

Appendix A
Air Quality and Greenhouse Gas Emissions – CalEEMod Results

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Pacific Flyway Project
Butte County AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	70.00	Dwelling Unit	14.82	126,000.00	200

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	71
Climate Zone	3			Operational Year	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to match site plan.

Construction Phase - Architectural coating adjusted to occur simultaneously with building construction.

Vehicle Trips - Trip gen adjusted based on ITE Trip Gen Manual 10th Edition, Land Use 210.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblConstructionPhase	PhaseEndDate	12/11/2024	10/30/2024
tblConstructionPhase	PhaseEndDate	8/23/2023	7/26/2023
tblConstructionPhase	PhaseEndDate	11/13/2024	8/23/2023
tblConstructionPhase	PhaseEndDate	7/12/2023	6/14/2023
tblConstructionPhase	PhaseStartDate	11/14/2024	9/10/2023

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	7/13/2023	6/15/2023
tblConstructionPhase	PhaseStartDate	10/17/2024	7/27/2023
tblConstructionPhase	PhaseStartDate	6/29/2023	6/1/2023
tblLandUse	LotAcreage	22.73	14.82
tblVehicleTrips	ST_TR	9.54	9.44
tblVehicleTrips	SU_TR	8.55	9.44

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.4753	1.4897	1.5252	2.8600e-003	0.2481	0.0680	0.3161	0.1085	0.0634	0.1719	0.0000	249.3432	249.3432	0.0647	1.1200e-003	251.2959
2024	1.0423	1.5695	1.9550	3.4000e-003	0.0207	0.0707	0.0914	5.5900e-003	0.0669	0.0725	0.0000	294.8094	294.8094	0.0592	2.2700e-003	296.9670
Maximum	1.0423	1.5695	1.9550	3.4000e-003	0.2481	0.0707	0.3161	0.1085	0.0669	0.1719	0.0000	294.8094	294.8094	0.0647	2.2700e-003	296.9670

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.4753	1.4897	1.5252	2.8600e-003	0.2481	0.0680	0.3161	0.1085	0.0634	0.1719	0.0000	249.3429	249.3429	0.0647	1.1200e-003	251.2956
2024	1.0423	1.5695	1.9550	3.4000e-003	0.0207	0.0707	0.0914	5.5900e-003	0.0669	0.0725	0.0000	294.8090	294.8090	0.0592	2.2700e-003	296.9667
Maximum	1.0423	1.5695	1.9550	3.4000e-003	0.2481	0.0707	0.3161	0.1085	0.0669	0.1719	0.0000	294.8090	294.8090	0.0647	2.2700e-003	296.9667

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2023	8-31-2023	0.8808	0.8808
2	9-1-2023	11-30-2023	0.8094	0.8094
3	12-1-2023	2-29-2024	0.8150	0.8150
4	3-1-2024	5-31-2024	0.8107	0.8107
5	6-1-2024	8-31-2024	0.8105	0.8105
6	9-1-2024	9-30-2024	0.2643	0.2643
		Highest	0.8808	0.8808

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8219	0.1624	10.5981	0.0182		1.4149	1.4149		1.4149	1.4149	134.0598	53.9035	187.9633	0.1209	0.0106	194.1308
Energy	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	141.4361	141.4361	0.0101	2.6600e-003	142.4804
Mobile	0.4248	0.6296	3.3442	5.8000e-003	0.5404	6.6500e-003	0.5471	0.1448	6.2600e-003	0.1511	0.0000	543.8948	543.8948	0.0414	0.0335	554.9085
Waste						0.0000	0.0000		0.0000	0.0000	14.6154	0.0000	14.6154	0.8637	0.0000	36.2089
Water						0.0000	0.0000		0.0000	0.0000	1.4469	3.2145	4.6614	0.1491	3.5700e-003	9.4542
Total	9.2558	0.8695	13.9753	0.0245	0.5404	1.4278	1.9683	0.1448	1.4275	1.5723	150.1221	742.4489	892.5709	1.1852	0.0503	937.1828

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8219	0.1624	10.5981	0.0182		1.4149	1.4149		1.4149	1.4149	134.0598	53.9035	187.9633	0.1209	0.0106	194.1308
Energy	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	141.4361	141.4361	0.0101	2.6600e-003	142.4804
Mobile	0.4248	0.6296	3.3442	5.8000e-003	0.5404	6.6500e-003	0.5471	0.1448	6.2600e-003	0.1511	0.0000	543.8948	543.8948	0.0414	0.0335	554.9085
Waste						0.0000	0.0000		0.0000	0.0000	14.6154	0.0000	14.6154	0.8637	0.0000	36.2089
Water						0.0000	0.0000		0.0000	0.0000	1.4469	3.2145	4.6614	0.1491	3.5700e-003	9.4542
Total	9.2558	0.8695	13.9753	0.0245	0.5404	1.4278	1.9683	0.1448	1.4275	1.5723	150.1221	742.4489	892.5709	1.1852	0.0503	937.1828

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	7/26/2023	5	30	
3	Building Construction	Building Construction	8/24/2023	10/16/2024	5	300	

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4	Paving	Paving	7/27/2023	8/23/2023	5	20
5	Architectural Coating	Architectural Coating	9/10/2023	10/30/2024	5	300

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 0****Residential Indoor: 255,150; Residential Outdoor: 85,050; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	7.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0983	6.3300e-003	0.1046	0.0505	5.8200e-003	0.0563	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606

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3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.0400e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4088	0.4088	2.0000e-005	2.0000e-005	0.4138
Total	2.9000e-004	1.9000e-004	2.0400e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4088	0.4088	2.0000e-005	2.0000e-005	0.4138

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0983	6.3300e-003	0.1046	0.0505	5.8200e-003	0.0563	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606

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3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.0400e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4088	0.4088	2.0000e-005	2.0000e-005	0.4138
Total	2.9000e-004	1.9000e-004	2.0400e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4088	0.4088	2.0000e-005	2.0000e-005	0.4138

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8028	81.8028	0.0265	0.0000	82.4642
Total	0.0498	0.5177	0.4208	9.3000e-004	0.1381	0.0214	0.1594	0.0548	0.0197	0.0745	0.0000	81.8028	81.8028	0.0265	0.0000	82.4642

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3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6000e-004	6.3000e-004	6.8000e-003	1.0000e-005	1.6000e-003	1.0000e-005	1.6100e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3625	1.3625	6.0000e-005	5.0000e-005	1.3794
Total	9.6000e-004	6.3000e-004	6.8000e-003	1.0000e-005	1.6000e-003	1.0000e-005	1.6100e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3625	1.3625	6.0000e-005	5.0000e-005	1.3794

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8027	81.8027	0.0265	0.0000	82.4641
Total	0.0498	0.5177	0.4208	9.3000e-004	0.1381	0.0214	0.1594	0.0548	0.0197	0.0745	0.0000	81.8027	81.8027	0.0265	0.0000	82.4641

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3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6000e-004	6.3000e-004	6.8000e-003	1.0000e-005	1.6000e-003	1.0000e-005	1.6100e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3625	1.3625	6.0000e-005	5.0000e-005	1.3794
Total	9.6000e-004	6.3000e-004	6.8000e-003	1.0000e-005	1.6000e-003	1.0000e-005	1.6100e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3625	1.3625	6.0000e-005	5.0000e-005	1.3794

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0724	0.6617	0.7472	1.2400e-003		0.0322	0.0322		0.0303	0.0303	0.0000	106.6302	106.6302	0.0254	0.0000	107.2643
Total	0.0724	0.6617	0.7472	1.2400e-003		0.0322	0.0322		0.0303	0.0303	0.0000	106.6302	106.6302	0.0254	0.0000	107.2643

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2000e-004	0.0146	4.8000e-003	6.0000e-005	1.7300e-003	9.0000e-005	1.8200e-003	5.0000e-004	9.0000e-005	5.9000e-004	0.0000	5.3612	5.3612	2.0000e-005	8.0000e-004	5.5998
Worker	3.6700e-003	2.4100e-003	0.0261	6.0000e-005	6.1200e-003	4.0000e-005	6.1600e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.2229	5.2229	2.5000e-004	2.0000e-004	5.2875
Total	4.0900e-003	0.0170	0.0309	1.2000e-004	7.8500e-003	1.3000e-004	7.9800e-003	2.1300e-003	1.3000e-004	2.2600e-003	0.0000	10.5841	10.5841	2.7000e-004	1.0000e-003	10.8873

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0724	0.6617	0.7472	1.2400e-003		0.0322	0.0322		0.0303	0.0303	0.0000	106.6301	106.6301	0.0254	0.0000	107.2642
Total	0.0724	0.6617	0.7472	1.2400e-003		0.0322	0.0322		0.0303	0.0303	0.0000	106.6301	106.6301	0.0254	0.0000	107.2642

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2000e-004	0.0146	4.8000e-003	6.0000e-005	1.7300e-003	9.0000e-005	1.8200e-003	5.0000e-004	9.0000e-005	5.9000e-004	0.0000	5.3612	5.3612	2.0000e-005	8.0000e-004	5.5998
Worker	3.6700e-003	2.4100e-003	0.0261	6.0000e-005	6.1200e-003	4.0000e-005	6.1600e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.2229	5.2229	2.5000e-004	2.0000e-004	5.2875
Total	4.0900e-003	0.0170	0.0309	1.2000e-004	7.8500e-003	1.3000e-004	7.9800e-003	2.1300e-003	1.3000e-004	2.2600e-003	0.0000	10.5841	10.5841	2.7000e-004	1.0000e-003	10.8873

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1231	241.1231	0.0570	0.0000	242.5485
Total	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1231	241.1231	0.0570	0.0000	242.5485

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3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0326	0.0106	1.2000e-004	3.9200e-003	2.0000e-004	4.1200e-003	1.1400e-003	1.9000e-004	1.3300e-003	0.0000	11.9253	11.9253	4.0000e-005	1.7700e-003	12.4552
Worker	7.6900e-003	4.8500e-003	0.0544	1.2000e-004	0.0138	8.0000e-005	0.0139	3.6800e-003	8.0000e-005	3.7600e-003	0.0000	11.5165	11.5165	5.0000e-004	4.1000e-004	11.6514
Total	8.6100e-003	0.0375	0.0649	2.4000e-004	0.0178	2.8000e-004	0.0180	4.8200e-003	2.7000e-004	5.0900e-003	0.0000	23.4418	23.4418	5.4000e-004	2.1800e-003	24.1065

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1228	241.1228	0.0570	0.0000	242.5483
Total	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1228	241.1228	0.0570	0.0000	242.5483

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3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0326	0.0106	1.2000e-004	3.9200e-003	2.0000e-004	4.1200e-003	1.1400e-003	1.9000e-004	1.3300e-003	0.0000	11.9253	11.9253	4.0000e-005	1.7700e-003	12.4552
Worker	7.6900e-003	4.8500e-003	0.0544	1.2000e-004	0.0138	8.0000e-005	0.0139	3.6800e-003	8.0000e-005	3.7600e-003	0.0000	11.5165	11.5165	5.0000e-004	4.1000e-004	11.6514
Total	8.6100e-003	0.0375	0.0649	2.4000e-004	0.0178	2.8000e-004	0.0180	4.8200e-003	2.7000e-004	5.0900e-003	0.0000	23.4418	23.4418	5.4000e-004	2.1800e-003	24.1065

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.1000e-004	3.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6813	0.6813	3.0000e-005	3.0000e-005	0.6897
Total	4.8000e-004	3.1000e-004	3.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6813	0.6813	3.0000e-005	3.0000e-005	0.6897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888

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3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.1000e-004	3.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6813	0.6813	3.0000e-005	3.0000e-005	0.6897
Total	4.8000e-004	3.1000e-004	3.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6813	0.6813	3.0000e-005	3.0000e-005	0.6897

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6700e-003	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283
Total	0.3230	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9083	0.9083	4.0000e-005	3.0000e-005	0.9196
Total	6.4000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9083	0.9083	4.0000e-005	3.0000e-005	0.9196

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6700e-003	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283
Total	0.3230	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283

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3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9083	0.9083	4.0000e-005	3.0000e-005	0.9196
Total	6.4000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9083	0.9083	4.0000e-005	3.0000e-005	0.9196

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8594					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8305	27.8305	1.5700e-003	0.0000	27.8696
Total	0.8791	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8305	27.8305	1.5700e-003	0.0000	27.8696

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3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.0200e-003	0.0114	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4140	2.4140	1.1000e-004	9.0000e-005	2.4423
Total	1.6100e-003	1.0200e-003	0.0114	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4140	2.4140	1.1000e-004	9.0000e-005	2.4423

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8594					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8304	27.8304	1.5700e-003	0.0000	27.8696
Total	0.8791	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8304	27.8304	1.5700e-003	0.0000	27.8696

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3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.0200e-003	0.0114	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4140	2.4140	1.1000e-004	9.0000e-005	2.4423
Total	1.6100e-003	1.0200e-003	0.0114	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4140	2.4140	1.1000e-004	9.0000e-005	2.4423

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4248	0.6296	3.3442	5.8000e-003	0.5404	6.6500e-003	0.5471	0.1448	6.2600e-003	0.1511	0.0000	543.8948	543.8948	0.0414	0.0335	554.9085
Unmitigated	0.4248	0.6296	3.3442	5.8000e-003	0.5404	6.6500e-003	0.5471	0.1448	6.2600e-003	0.1511	0.0000	543.8948	543.8948	0.0414	0.0335	554.9085

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	660.80	660.80	660.80	1,464,495	1,464,495
Total	660.80	660.80	660.80	1,464,495	1,464,495

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	7.30	3.00	7.90	35.00	17.00	48.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.483154	0.055228	0.190002	0.148740	0.046106	0.008769	0.010590	0.015505	0.000749	0.000411	0.034241	0.001163	0.005341

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.6447	51.6447	8.3600e-003	1.0100e-003	52.1553
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.6447	51.6447	8.3600e-003	1.0100e-003	52.1553
NaturalGas Mitigated	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251
NaturalGas Unmitigated	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	1.68263e+006	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251
Total		9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	1.68263e+006	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251
Total		9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	558177	51.6447	8.3600e-003	1.0100e-003	52.1553
Total		51.6447	8.3600e-003	1.0100e-003	52.1553

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	558177	51.6447	8.3600e-003	1.0100e-003	52.1553
Total		51.6447	8.3600e-003	1.0100e-003	52.1553

6.0 Area Detail**6.1 Mitigation Measures Area**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.8219	0.1624	10.5981	0.0182		1.4149	1.4149		1.4149	1.4149	134.0598	53.9035	187.9633	0.1209	0.0106	194.1308
Unmitigated	8.8219	0.1624	10.5981	0.0182		1.4149	1.4149		1.4149	1.4149	134.0598	53.9035	187.9633	0.1209	0.0106	194.1308

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4921					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.1959	0.1564	10.0785	0.0182		1.4120	1.4120		1.4120	1.4120	134.0598	53.0545	187.1142	0.1201	0.0106	193.2614
Landscaping	0.0156	5.9900e-003	0.5195	3.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	0.8490	0.8490	8.1000e-004	0.0000	0.8694
Total	8.8219	0.1624	10.5981	0.0182		1.4149	1.4149		1.4149	1.4149	134.0598	53.9035	187.9633	0.1209	0.0106	194.1308

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4921					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.1959	0.1564	10.0785	0.0182		1.4120	1.4120		1.4120	1.4120	134.0598	53.0545	187.1142	0.1201	0.0106	193.2614
Landscaping	0.0156	5.9900e-003	0.5195	3.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	0.8490	0.8490	8.1000e-004	0.0000	0.8694
Total	8.8219	0.1624	10.5981	0.0182		1.4149	1.4149		1.4149	1.4149	134.0598	53.9035	187.9633	0.1209	0.0106	194.1308

7.0 Water Detail

7.1 Mitigation Measures Water

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.6614	0.1491	3.5700e-003	9.4542
Unmitigated	4.6614	0.1491	3.5700e-003	9.4542

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	4.56078 / 2.87528	4.6614	0.1491	3.5700e-003	9.4542
Total		4.6614	0.1491	3.5700e-003	9.4542

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	4.56078 / 2.87528	4.6614	0.1491	3.5700e-003	9.4542
Total		4.6614	0.1491	3.5700e-003	9.4542

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.6154	0.8637	0.0000	36.2089
Unmitigated	14.6154	0.8637	0.0000	36.2089

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	72	14.6154	0.8637	0.0000	36.2089
Total		14.6154	0.8637	0.0000	36.2089

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	72	14.6154	0.8637	0.0000	36.2089
Total		14.6154	0.8637	0.0000	36.2089

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Pacific Flyway Project
Butte County AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	70.00	Dwelling Unit	14.82	126,000.00	200

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	71
Climate Zone	3			Operational Year	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to match site plan.

Construction Phase - Architectural coating adjusted to occur simultaneously with building construction.

Vehicle Trips - Trip gen adjusted based on ITE Trip Gen Manual 10th Edition, Land Use 210.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblConstructionPhase	PhaseEndDate	12/11/2024	10/30/2024
tblConstructionPhase	PhaseEndDate	8/23/2023	7/26/2023
tblConstructionPhase	PhaseEndDate	11/13/2024	8/23/2023
tblConstructionPhase	PhaseEndDate	7/12/2023	6/14/2023
tblConstructionPhase	PhaseStartDate	11/14/2024	9/10/2023

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	7/13/2023	6/15/2023
tblConstructionPhase	PhaseStartDate	10/17/2024	7/27/2023
tblConstructionPhase	PhaseStartDate	6/29/2023	6/1/2023
tblLandUse	LotAcreage	22.73	14.82
tblVehicleTrips	ST_TR	9.54	9.44
tblVehicleTrips	SU_TR	8.55	9.44

2.0 Emissions Summary

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.7771	34.5541	28.5791	0.0632	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,121.562 9	6,121.562 9	1.9487	0.0245	6,171.339 8
2024	9.6558	15.0116	18.8045	0.0327	0.2057	0.6771	0.8828	0.0555	0.6406	0.6960	0.0000	3,124.421 6	3,124.421 6	0.6267	0.0237	3,147.155 0
Maximum	9.7771	34.5541	28.5791	0.0632	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,121.562 9	6,121.562 9	1.9487	0.0245	6,171.339 8

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.7771	34.5541	28.5791	0.0632	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,121.562 9	6,121.562 9	1.9487	0.0245	6,171.339 8
2024	9.6558	15.0116	18.8045	0.0327	0.2057	0.6771	0.8828	0.0555	0.6406	0.6960	0.0000	3,124.421 6	3,124.421 6	0.6267	0.0237	3,147.155 0
Maximum	9.7771	34.5541	28.5791	0.0632	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,121.562 9	6,121.562 9	1.9487	0.0245	6,171.339 8

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

[illegible]

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2
Energy	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Mobile	2.9785	3.2068	19.8679	0.0341	3.0987	0.0366	3.1353	0.8275	0.0344	0.8619		3,528.485 2	3,528.485 2	0.2371	0.1953	3,592.619 5
Total	115.8254	5.7831	160.2018	0.2795	3.0987	18.9302	22.0289	0.8275	18.9280	19.7555	1,970.341 5	4,860.996 9	6,831.338 3	2.0223	0.3604	6,989.292 7

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2
Energy	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Mobile	2.9785	3.2068	19.8679	0.0341	3.0987	0.0366	3.1353	0.8275	0.0344	0.8619		3,528.485 2	3,528.485 2	0.2371	0.1953	3,592.619 5
Total	115.8254	5.7831	160.2018	0.2795	3.0987	18.9302	22.0289	0.8275	18.9280	19.7555	1,970.341 5	4,860.996 9	6,831.338 3	2.0223	0.3604	6,989.292 7

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	7/26/2023	5	30	
3	Building Construction	Building Construction	8/24/2023	10/16/2024	5	300	
4	Paving	Paving	7/27/2023	8/23/2023	5	20	
5	Architectural Coating	Architectural Coating	9/10/2023	10/30/2024	5	300	

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 0****Residential Indoor: 255,150; Residential Outdoor: 85,050; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	7.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0714	0.0347	0.4751	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		99.0767	99.0767	3.9800e-003	3.2000e-003	100.1306
Total	0.0714	0.0347	0.4751	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		99.0767	99.0767	3.9800e-003	3.2000e-003	100.1306

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0714	0.0347	0.4751	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		99.0767	99.0767	3.9800e-003	3.2000e-003	100.1306
Total	0.0714	0.0347	0.4751	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		99.0767	99.0767	3.9800e-003	3.2000e-003	100.1306

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.477 7	6,011.477 7	1.9442		6,060.083 6
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0793	0.0385	0.5279	1.0800e-003	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		110.0852	110.0852	4.4200e-003	3.5600e-003	111.2563
Total	0.0793	0.0385	0.5279	1.0800e-003	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		110.0852	110.0852	4.4200e-003	3.5600e-003	111.2563

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0793	0.0385	0.5279	1.0800e-003	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		110.0852	110.0852	4.4200e-003	3.5600e-003	111.2563
Total	0.0793	0.0385	0.5279	1.0800e-003	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		110.0852	110.0852	4.4200e-003	3.5600e-003	111.2563

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5100e-003	0.3014	0.1027	1.2200e-003	0.0390	1.9500e-003	0.0410	0.0112	1.8700e-003	0.0131		128.3445	128.3445	5.0000e-004	0.0191	134.0508
Worker	0.0992	0.0482	0.6599	1.3400e-003	0.1389	8.5000e-004	0.1398	0.0369	7.9000e-004	0.0376		137.6065	137.6065	5.5300e-003	4.4500e-003	139.0703
Total	0.1087	0.3496	0.7626	2.5600e-003	0.1779	2.8000e-003	0.1807	0.0481	2.6600e-003	0.0508		265.9510	265.9510	6.0300e-003	0.0236	273.1211

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5100e-003	0.3014	0.1027	1.2200e-003	0.0390	1.9500e-003	0.0410	0.0112	1.8700e-003	0.0131		128.3445	128.3445	5.0000e-004	0.0191	134.0508
Worker	0.0992	0.0482	0.6599	1.3400e-003	0.1389	8.5000e-004	0.1398	0.0369	7.9000e-004	0.0376		137.6065	137.6065	5.5300e-003	4.4500e-003	139.0703
Total	0.1087	0.3496	0.7626	2.5600e-003	0.1779	2.8000e-003	0.1807	0.0481	2.6600e-003	0.0508		265.9510	265.9510	6.0300e-003	0.0236	273.1211

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1700e-003	0.2976	0.0999	1.2000e-003	0.0390	1.9300e-003	0.0410	0.0112	1.8500e-003	0.0131		126.2700	126.2700	4.8000e-004	0.0188	131.8763
Worker	0.0918	0.0429	0.6063	1.3000e-003	0.1389	8.0000e-004	0.1397	0.0369	7.4000e-004	0.0376		134.1706	134.1706	4.9800e-003	4.1200e-003	135.5223
Total	0.1009	0.3405	0.7062	2.5000e-003	0.1779	2.7300e-003	0.1807	0.0481	2.5900e-003	0.0507		260.4405	260.4405	5.4600e-003	0.0229	267.3987

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1700e-003	0.2976	0.0999	1.2000e-003	0.0390	1.9300e-003	0.0410	0.0112	1.8500e-003	0.0131		126.2700	126.2700	4.8000e-004	0.0188	131.8763
Worker	0.0918	0.0429	0.6063	1.3000e-003	0.1389	8.0000e-004	0.1397	0.0369	7.4000e-004	0.0376		134.1706	134.1706	4.9800e-003	4.1200e-003	135.5223
Total	0.1009	0.3405	0.7062	2.5000e-003	0.1779	2.7300e-003	0.1807	0.0481	2.5900e-003	0.0507		260.4405	260.4405	5.4600e-003	0.0229	267.3987

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0289	0.3960	8.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		82.5639	82.5639	3.3200e-003	2.6700e-003	83.4422
Total	0.0595	0.0289	0.3960	8.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		82.5639	82.5639	3.3200e-003	2.6700e-003	83.4422

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0289	0.3960	8.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		82.5639	82.5639	3.3200e-003	2.6700e-003	83.4422
Total	0.0595	0.0289	0.3960	8.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		82.5639	82.5639	3.3200e-003	2.6700e-003	83.4422

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	8.0758	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	9.6400e-003	0.1320	2.7000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		27.5213	27.5213	1.1100e-003	8.9000e-004	27.8141
Total	0.0198	9.6400e-003	0.1320	2.7000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		27.5213	27.5213	1.1100e-003	8.9000e-004	27.8141

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	8.0758	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	9.6400e-003	0.1320	2.7000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		27.5213	27.5213	1.1100e-003	8.9000e-004	27.8141
Total	0.0198	9.6400e-003	0.1320	2.7000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		27.5213	27.5213	1.1100e-003	8.9000e-004	27.8141

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	8.0649	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0184	8.5700e-003	0.1213	2.6000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		26.8341	26.8341	1.0000e-003	8.2000e-004	27.1045
Total	0.0184	8.5700e-003	0.1213	2.6000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		26.8341	26.8341	1.0000e-003	8.2000e-004	27.1045

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	8.0649	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0184	8.5700e-003	0.1213	2.6000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		26.8341	26.8341	1.0000e-003	8.2000e-004	27.1045
Total	0.0184	8.5700e-003	0.1213	2.6000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		26.8341	26.8341	1.0000e-003	8.2000e-004	27.1045

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9785	3.2068	19.8679	0.0341	3.0987	0.0366	3.1353	0.8275	0.0344	0.8619		3,528.485 2	3,528.485 2	0.2371	0.1953	3,592.619 5
Unmitigated	2.9785	3.2068	19.8679	0.0341	3.0987	0.0366	3.1353	0.8275	0.0344	0.8619		3,528.485 2	3,528.485 2	0.2371	0.1953	3,592.619 5

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	660.80	660.80	660.80	1,464,495	1,464,495
Total	660.80	660.80	660.80	1,464,495	1,464,495

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	7.30	3.00	7.90	35.00	17.00	48.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.483154	0.055228	0.190002	0.148740	0.046106	0.008769	0.010590	0.015505	0.000749	0.000411	0.034241	0.001163	0.005341

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.0 Energy Detail**

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
NaturalGas Unmitigated	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4609.94	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Total		0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4.60994	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Total		0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.3415	790.1657	2,760.5072	1.7749	0.1551	2,851.1042
Unmitigated	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.3415	790.1657	2,760.5072	1.7749	0.1551	2,851.1042

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	109.2793	2.0849	134.3805	0.2424		18.8273	18.8273		18.8273	18.8273	1,970.341 5	779.7671	2,750.108 5	1.7649	0.1551	2,840.456 1
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	109.2793	2.0849	134.3805	0.2424		18.8273	18.8273		18.8273	18.8273	1,970.341 5	779.7671	2,750.108 5	1.7649	0.1551	2,840.456 1
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2

7.0 Water Detail

7.1 Mitigation Measures Water

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Pacific Flyway Project
Butte County AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	70.00	Dwelling Unit	14.82	126,000.00	200

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	71
Climate Zone	3			Operational Year	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to match site plan.

Construction Phase - Architectural coating adjusted to occur simultaneously with building construction.

Vehicle Trips - Trip gen adjusted based on ITE Trip Gen Manual 10th Edition, Land Use 210.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblConstructionPhase	PhaseEndDate	12/11/2024	10/30/2024
tblConstructionPhase	PhaseEndDate	8/23/2023	7/26/2023
tblConstructionPhase	PhaseEndDate	11/13/2024	8/23/2023
tblConstructionPhase	PhaseEndDate	7/12/2023	6/14/2023
tblConstructionPhase	PhaseStartDate	11/14/2024	9/10/2023

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	7/13/2023	6/15/2023
tblConstructionPhase	PhaseStartDate	10/17/2024	7/27/2023
tblConstructionPhase	PhaseStartDate	6/29/2023	6/1/2023
tblLandUse	LotAcreage	22.73	14.82
tblVehicleTrips	ST_TR	9.54	9.44
tblVehicleTrips	SU_TR	8.55	9.44

2.0 Emissions Summary

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.7534	34.5628	28.5129	0.0630	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,108.755 0	6,108.755 0	1.9494	0.0253	6,158.704 0
2024	9.6338	15.0477	18.7210	0.0325	0.2057	0.6771	0.8829	0.0555	0.6406	0.6960	0.0000	3,106.042 7	3,106.042 7	0.6277	0.0245	3,129.035 1
Maximum	9.7534	34.5628	28.5129	0.0630	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,108.755 0	6,108.755 0	1.9494	0.0253	6,158.704 0

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.7534	34.5628	28.5129	0.0630	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,108.755 0	6,108.755 0	1.9494	0.0253	6,158.704 0
2024	9.6338	15.0477	18.7210	0.0325	0.2057	0.6771	0.8829	0.0555	0.6406	0.6960	0.0000	3,106.042 7	3,106.042 7	0.6277	0.0245	3,129.035 1
Maximum	9.7534	34.5628	28.5129	0.0630	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,108.755 0	6,108.755 0	1.9494	0.0253	6,158.704 0

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

[illegible]

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2
Energy	0.0497	0.4248	0.1808	2.7100e- 003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e- 003	545.5689
Mobile	2.2039	3.6799	19.5469	0.0313	3.0987	0.0366	3.1353	0.8275	0.0345	0.8619		3,234.251 0	3,234.251 0	0.2728	0.2126	3,304.412 3
Total	115.0508	6.2562	159.8808	0.2767	3.0987	18.9302	22.0289	0.8275	18.9281	19.7555	1,970.341 5	4,566.762 8	6,537.104 2	2.0581	0.3776	6,701.085 4

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2
Energy	0.0497	0.4248	0.1808	2.7100e- 003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e- 003	545.5689
Mobile	2.2039	3.6799	19.5469	0.0313	3.0987	0.0366	3.1353	0.8275	0.0345	0.8619		3,234.251 0	3,234.251 0	0.2728	0.2126	3,304.412 3
Total	115.0508	6.2562	159.8808	0.2767	3.0987	18.9302	22.0289	0.8275	18.9281	19.7555	1,970.341 5	4,566.762 8	6,537.104 2	2.0581	0.3776	6,701.085 4

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	7/26/2023	5	30	
3	Building Construction	Building Construction	8/24/2023	10/16/2024	5	300	
4	Paving	Paving	7/27/2023	8/23/2023	5	20	
5	Architectural Coating	Architectural Coating	9/10/2023	10/30/2024	5	300	

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 0****Residential Indoor: 255,150; Residential Outdoor: 85,050; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	7.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0575	0.0425	0.4156	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		87.5496	87.5496	4.6600e-003	3.6700e-003	88.7584
Total	0.0575	0.0425	0.4156	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		87.5496	87.5496	4.6600e-003	3.6700e-003	88.7584

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0575	0.0425	0.4156	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		87.5496	87.5496	4.6600e-003	3.6700e-003	88.7584
Total	0.0575	0.0425	0.4156	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		87.5496	87.5496	4.6600e-003	3.6700e-003	88.7584

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.477 7	6,011.477 7	1.9442		6,060.083 6
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0639	0.0472	0.4617	9.5000e-004	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		97.2773	97.2773	5.1800e-003	4.0700e-003	98.6205
Total	0.0639	0.0472	0.4617	9.5000e-004	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		97.2773	97.2773	5.1800e-003	4.0700e-003	98.6205

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0639	0.0472	0.4617	9.5000e-004	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		97.2773	97.2773	5.1800e-003	4.0700e-003	98.6205
Total	0.0639	0.0472	0.4617	9.5000e-004	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		97.2773	97.2773	5.1800e-003	4.0700e-003	98.6205

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.3263	0.1065	1.2200e-003	0.0390	1.9600e-003	0.0410	0.0112	1.8800e-003	0.0131		128.6496	128.6496	4.8000e-004	0.0192	134.3774
Worker	0.0799	0.0590	0.5772	1.1900e-003	0.1389	8.5000e-004	0.1398	0.0369	7.9000e-004	0.0376		121.5966	121.5966	6.4700e-003	5.0900e-003	123.2756
Total	0.0888	0.3853	0.6836	2.4100e-003	0.1779	2.8100e-003	0.1808	0.0481	2.6700e-003	0.0508		250.2462	250.2462	6.9500e-003	0.0243	257.6530

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.3263	0.1065	1.2200e-003	0.0390	1.9600e-003	0.0410	0.0112	1.8800e-003	0.0131		128.6496	128.6496	4.8000e-004	0.0192	134.3774
Worker	0.0799	0.0590	0.5772	1.1900e-003	0.1389	8.5000e-004	0.1398	0.0369	7.9000e-004	0.0376		121.5966	121.5966	6.4700e-003	5.0900e-003	123.2756
Total	0.0888	0.3853	0.6836	2.4100e-003	0.1779	2.8100e-003	0.1808	0.0481	2.6700e-003	0.0508		250.2462	250.2462	6.9500e-003	0.0243	257.6530

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6200e-003	0.3222	0.1037	1.2000e-003	0.0390	1.9400e-003	0.0410	0.0112	1.8600e-003	0.0131		126.5762	126.5762	4.5000e-004	0.0188	132.2033
Worker	0.0740	0.0525	0.5336	1.1500e-003	0.1389	8.0000e-004	0.1397	0.0369	7.4000e-004	0.0376		118.5997	118.5997	5.8600e-003	4.7100e-003	120.1499
Total	0.0826	0.3746	0.6373	2.3500e-003	0.1779	2.7400e-003	0.1807	0.0481	2.6000e-003	0.0507		245.1759	245.1759	6.3100e-003	0.0236	252.3532

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6200e-003	0.3222	0.1037	1.2000e-003	0.0390	1.9400e-003	0.0410	0.0112	1.8600e-003	0.0131		126.5762	126.5762	4.5000e-004	0.0188	132.2033
Worker	0.0740	0.0525	0.5336	1.1500e-003	0.1389	8.0000e-004	0.1397	0.0369	7.4000e-004	0.0376		118.5997	118.5997	5.8600e-003	4.7100e-003	120.1499
Total	0.0826	0.3746	0.6373	2.3500e-003	0.1779	2.7400e-003	0.1807	0.0481	2.6000e-003	0.0507		245.1759	245.1759	6.3100e-003	0.0236	252.3532

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0479	0.0354	0.3463	7.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		72.9580	72.9580	3.8800e-003	3.0500e-003	73.9653
Total	0.0479	0.0354	0.3463	7.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		72.9580	72.9580	3.8800e-003	3.0500e-003	73.9653

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0479	0.0354	0.3463	7.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		72.9580	72.9580	3.8800e-003	3.0500e-003	73.9653
Total	0.0479	0.0354	0.3463	7.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		72.9580	72.9580	3.8800e-003	3.0500e-003	73.9653

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	8.0758	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0118	0.1154	2.4000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		24.3193	24.3193	1.2900e-003	1.0200e-003	24.6551
Total	0.0160	0.0118	0.1154	2.4000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		24.3193	24.3193	1.2900e-003	1.0200e-003	24.6551

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	8.0758	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0118	0.1154	2.4000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		24.3193	24.3193	1.2900e-003	1.0200e-003	24.6551
Total	0.0160	0.0118	0.1154	2.4000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		24.3193	24.3193	1.2900e-003	1.0200e-003	24.6551

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	8.0649	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	0.0105	0.1067	2.3000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		23.7199	23.7199	1.1700e-003	9.4000e-004	24.0300
Total	0.0148	0.0105	0.1067	2.3000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		23.7199	23.7199	1.1700e-003	9.4000e-004	24.0300

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	8.0649	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	0.0105	0.1067	2.3000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		23.7199	23.7199	1.1700e-003	9.4000e-004	24.0300
Total	0.0148	0.0105	0.1067	2.3000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		23.7199	23.7199	1.1700e-003	9.4000e-004	24.0300

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2039	3.6799	19.5469	0.0313	3.0987	0.0366	3.1353	0.8275	0.0345	0.8619		3,234.2510	3,234.2510	0.2728	0.2126	3,304.4123
Unmitigated	2.2039	3.6799	19.5469	0.0313	3.0987	0.0366	3.1353	0.8275	0.0345	0.8619		3,234.2510	3,234.2510	0.2728	0.2126	3,304.4123

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	660.80	660.80	660.80	1,464,495	1,464,495
Total	660.80	660.80	660.80	1,464,495	1,464,495

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	7.30	3.00	7.90	35.00	17.00	48.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.483154	0.055228	0.190002	0.148740	0.046106	0.008769	0.010590	0.015505	0.000749	0.000411	0.034241	0.001163	0.005341

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
NaturalGas Unmitigated	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4609.94	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Total		0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4.60994	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Total		0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.3415	790.1657	2,760.5072	1.7749	0.1551	2,851.1042
Unmitigated	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.3415	790.1657	2,760.5072	1.7749	0.1551	2,851.1042

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	109.2793	2.0849	134.3805	0.2424		18.8273	18.8273		18.8273	18.8273	1,970.341 5	779.7671	2,750.108 5	1.7649	0.1551	2,840.456 1
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	109.2793	2.0849	134.3805	0.2424		18.8273	18.8273		18.8273	18.8273	1,970.341 5	779.7671	2,750.108 5	1.7649	0.1551	2,840.456 1
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2

7.0 Water Detail

7.1 Mitigation Measures Water

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Pacific Flyway Project
Butte County AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	70.00	Dwelling Unit	14.82	126,000.00	200

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	71
Climate Zone	3			Operational Year	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to match site plan.

Construction Phase - Architectural coating adjusted to occur simultaneously with building construction.

Vehicle Trips - Trip gen adjusted based on ITE Trip Gen Manual 10th Edition, Land Use 210.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblLandUse	LotAcreage	22.73	14.82
tblVehicleTrips	ST_TR	9.54	9.44
tblVehicleTrips	SU_TR	8.55	9.44

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.4753	1.4897	1.5252	2.8600e-003	0.2481	0.0680	0.3161	0.1085	0.0634	0.1719	0.0000	249.3432	249.3432	0.0647	1.1200e-003	251.2959
2024	1.0423	1.5695	1.9550	3.4000e-003	0.0207	0.0707	0.0914	5.5900e-003	0.0669	0.0725	0.0000	294.8094	294.8094	0.0592	2.2700e-003	296.9670
Maximum	1.0423	1.5695	1.9550	3.4000e-003	0.2481	0.0707	0.3161	0.1085	0.0669	0.1719	0.0000	294.8094	294.8094	0.0647	2.2700e-003	296.9670

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.4753	1.4897	1.5252	2.8600e-003	0.2481	0.0680	0.3161	0.1085	0.0634	0.1719	0.0000	249.3429	249.3429	0.0647	1.1200e-003	251.2956
2024	1.0423	1.5695	1.9550	3.4000e-003	0.0207	0.0707	0.0914	5.5900e-003	0.0669	0.0725	0.0000	294.8090	294.8090	0.0592	2.2700e-003	296.9667
Maximum	1.0423	1.5695	1.9550	3.4000e-003	0.2481	0.0707	0.3161	0.1085	0.0669	0.1719	0.0000	294.8090	294.8090	0.0647	2.2700e-003	296.9667

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2023	8-31-2023	0.8808	0.8808
2	9-1-2023	11-30-2023	0.8094	0.8094
3	12-1-2023	2-29-2024	0.8150	0.8150
4	3-1-2024	5-31-2024	0.8107	0.8107
5	6-1-2024	8-31-2024	0.8105	0.8105
6	9-1-2024	9-30-2024	0.2643	0.2643
		Highest	0.8808	0.8808

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8219	0.1624	10.5981	0.0182		1.4149	1.4149		1.4149	1.4149	134.0598	53.9035	187.9633	0.1209	0.0106	194.1308
Energy	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	141.4361	141.4361	0.0101	2.6600e-003	142.4804
Mobile	0.4248	0.6296	3.3442	5.8000e-003	0.5404	6.6500e-003	0.5471	0.1448	6.2600e-003	0.1511	0.0000	543.8948	543.8948	0.0414	0.0335	554.9085
Waste						0.0000	0.0000		0.0000	0.0000	14.6154	0.0000	14.6154	0.8637	0.0000	36.2089
Water						0.0000	0.0000		0.0000	0.0000	1.4469	3.2145	4.6614	0.1491	3.5700e-003	9.4542
Total	9.2558	0.8695	13.9753	0.0245	0.5404	1.4278	1.9683	0.1448	1.4275	1.5723	150.1221	742.4489	892.5709	1.1852	0.0503	937.1828

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6362	0.0934	0.5567	5.9000e-004		9.9400e-003	9.9400e-003		9.9400e-003	9.9400e-003	0.0000	102.0226	102.0226	2.7500e-003	1.8500e-003	102.6442
Energy	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	141.4361	141.4361	0.0101	2.6600e-003	142.4804
Mobile	0.4248	0.6296	3.3442	5.8000e-003	0.5404	6.6500e-003	0.5471	0.1448	6.2600e-003	0.1511	0.0000	543.8948	543.8948	0.0414	0.0335	554.9085
Waste						0.0000	0.0000		0.0000	0.0000	14.6154	0.0000	14.6154	0.8637	0.0000	36.2089
Water						0.0000	0.0000		0.0000	0.0000	1.4469	3.2145	4.6614	0.1491	3.5700e-003	9.4542
Total	1.0701	0.8005	3.9339	6.8800e-003	0.5404	0.0229	0.5633	0.1448	0.0225	0.1673	16.0623	790.5680	806.6303	1.0671	0.0416	845.6962

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	88.44	7.94	71.85	71.92	0.00	98.40	71.38	0.00	98.43	89.36	89.30	-6.48	9.63	9.97	17.31	9.76

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	7/26/2023	5	30	
3	Paving	Paving	7/27/2023	8/23/2023	5	20	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	8/24/2023	10/16/2024	5	300
5	Architectural Coating	Architectural Coating	9/10/2023	10/30/2024	5	300

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 0****Residential Indoor: 255,150; Residential Outdoor: 85,050; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	7.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0983	6.3300e-003	0.1046	0.0505	5.8200e-003	0.0563	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606

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3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.0400e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4088	0.4088	2.0000e-005	2.0000e-005	0.4138
Total	2.9000e-004	1.9000e-004	2.0400e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4088	0.4088	2.0000e-005	2.0000e-005	0.4138

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0983	6.3300e-003	0.1046	0.0505	5.8200e-003	0.0563	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606

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3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.0400e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4088	0.4088	2.0000e-005	2.0000e-005	0.4138
Total	2.9000e-004	1.9000e-004	2.0400e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4088	0.4088	2.0000e-005	2.0000e-005	0.4138

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8028	81.8028	0.0265	0.0000	82.4642
Total	0.0498	0.5177	0.4208	9.3000e-004	0.1381	0.0214	0.1594	0.0548	0.0197	0.0745	0.0000	81.8028	81.8028	0.0265	0.0000	82.4642

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3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6000e-004	6.3000e-004	6.8000e-003	1.0000e-005	1.6000e-003	1.0000e-005	1.6100e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3625	1.3625	6.0000e-005	5.0000e-005	1.3794
Total	9.6000e-004	6.3000e-004	6.8000e-003	1.0000e-005	1.6000e-003	1.0000e-005	1.6100e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3625	1.3625	6.0000e-005	5.0000e-005	1.3794

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8027	81.8027	0.0265	0.0000	82.4641
Total	0.0498	0.5177	0.4208	9.3000e-004	0.1381	0.0214	0.1594	0.0548	0.0197	0.0745	0.0000	81.8027	81.8027	0.0265	0.0000	82.4641

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3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6000e-004	6.3000e-004	6.8000e-003	1.0000e-005	1.6000e-003	1.0000e-005	1.6100e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3625	1.3625	6.0000e-005	5.0000e-005	1.3794
Total	9.6000e-004	6.3000e-004	6.8000e-003	1.0000e-005	1.6000e-003	1.0000e-005	1.6100e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3625	1.3625	6.0000e-005	5.0000e-005	1.3794

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888

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3.4 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.1000e-004	3.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6813	0.6813	3.0000e-005	3.0000e-005	0.6897
Total	4.8000e-004	3.1000e-004	3.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6813	0.6813	3.0000e-005	3.0000e-005	0.6897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888

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3.4 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.1000e-004	3.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6813	0.6813	3.0000e-005	3.0000e-005	0.6897
Total	4.8000e-004	3.1000e-004	3.4000e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6813	0.6813	3.0000e-005	3.0000e-005	0.6897

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0724	0.6617	0.7472	1.2400e-003		0.0322	0.0322		0.0303	0.0303	0.0000	106.6302	106.6302	0.0254	0.0000	107.2643
Total	0.0724	0.6617	0.7472	1.2400e-003		0.0322	0.0322		0.0303	0.0303	0.0000	106.6302	106.6302	0.0254	0.0000	107.2643

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2000e-004	0.0146	4.8000e-003	6.0000e-005	1.7300e-003	9.0000e-005	1.8200e-003	5.0000e-004	9.0000e-005	5.9000e-004	0.0000	5.3612	5.3612	2.0000e-005	8.0000e-004	5.5998
Worker	3.6700e-003	2.4100e-003	0.0261	6.0000e-005	6.1200e-003	4.0000e-005	6.1600e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.2229	5.2229	2.5000e-004	2.0000e-004	5.2875
Total	4.0900e-003	0.0170	0.0309	1.2000e-004	7.8500e-003	1.3000e-004	7.9800e-003	2.1300e-003	1.3000e-004	2.2600e-003	0.0000	10.5841	10.5841	2.7000e-004	1.0000e-003	10.8873

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0724	0.6617	0.7472	1.2400e-003		0.0322	0.0322		0.0303	0.0303	0.0000	106.6301	106.6301	0.0254	0.0000	107.2642
Total	0.0724	0.6617	0.7472	1.2400e-003		0.0322	0.0322		0.0303	0.0303	0.0000	106.6301	106.6301	0.0254	0.0000	107.2642

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2000e-004	0.0146	4.8000e-003	6.0000e-005	1.7300e-003	9.0000e-005	1.8200e-003	5.0000e-004	9.0000e-005	5.9000e-004	0.0000	5.3612	5.3612	2.0000e-005	8.0000e-004	5.5998
Worker	3.6700e-003	2.4100e-003	0.0261	6.0000e-005	6.1200e-003	4.0000e-005	6.1600e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.2229	5.2229	2.5000e-004	2.0000e-004	5.2875
Total	4.0900e-003	0.0170	0.0309	1.2000e-004	7.8500e-003	1.3000e-004	7.9800e-003	2.1300e-003	1.3000e-004	2.2600e-003	0.0000	10.5841	10.5841	2.7000e-004	1.0000e-003	10.8873

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1231	241.1231	0.0570	0.0000	242.5485
Total	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1231	241.1231	0.0570	0.0000	242.5485

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3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0326	0.0106	1.2000e-004	3.9200e-003	2.0000e-004	4.1200e-003	1.1400e-003	1.9000e-004	1.3300e-003	0.0000	11.9253	11.9253	4.0000e-005	1.7700e-003	12.4552
Worker	7.6900e-003	4.8500e-003	0.0544	1.2000e-004	0.0138	8.0000e-005	0.0139	3.6800e-003	8.0000e-005	3.7600e-003	0.0000	11.5165	11.5165	5.0000e-004	4.1000e-004	11.6514
Total	8.6100e-003	0.0375	0.0649	2.4000e-004	0.0178	2.8000e-004	0.0180	4.8200e-003	2.7000e-004	5.0900e-003	0.0000	23.4418	23.4418	5.4000e-004	2.1800e-003	24.1065

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1228	241.1228	0.0570	0.0000	242.5483
Total	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1228	241.1228	0.0570	0.0000	242.5483

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3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0326	0.0106	1.2000e-004	3.9200e-003	2.0000e-004	4.1200e-003	1.1400e-003	1.9000e-004	1.3300e-003	0.0000	11.9253	11.9253	4.0000e-005	1.7700e-003	12.4552
Worker	7.6900e-003	4.8500e-003	0.0544	1.2000e-004	0.0138	8.0000e-005	0.0139	3.6800e-003	8.0000e-005	3.7600e-003	0.0000	11.5165	11.5165	5.0000e-004	4.1000e-004	11.6514
Total	8.6100e-003	0.0375	0.0649	2.4000e-004	0.0178	2.8000e-004	0.0180	4.8200e-003	2.7000e-004	5.0900e-003	0.0000	23.4418	23.4418	5.4000e-004	2.1800e-003	24.1065

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6700e-003	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283
Total	0.3230	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283

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3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9083	0.9083	4.0000e-005	3.0000e-005	0.9196
Total	6.4000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9083	0.9083	4.0000e-005	3.0000e-005	0.9196

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6700e-003	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283
Total	0.3230	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283

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3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9083	0.9083	4.0000e-005	3.0000e-005	0.9196
Total	6.4000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9083	0.9083	4.0000e-005	3.0000e-005	0.9196

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8594					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8305	27.8305	1.5700e-003	0.0000	27.8696
Total	0.8791	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8305	27.8305	1.5700e-003	0.0000	27.8696

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3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.0200e-003	0.0114	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4140	2.4140	1.1000e-004	9.0000e-005	2.4423
Total	1.6100e-003	1.0200e-003	0.0114	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4140	2.4140	1.1000e-004	9.0000e-005	2.4423

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8594					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8304	27.8304	1.5700e-003	0.0000	27.8696
Total	0.8791	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8304	27.8304	1.5700e-003	0.0000	27.8696

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.0200e-003	0.0114	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4140	2.4140	1.1000e-004	9.0000e-005	2.4423
Total	1.6100e-003	1.0200e-003	0.0114	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4140	2.4140	1.1000e-004	9.0000e-005	2.4423

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4248	0.6296	3.3442	5.8000e-003	0.5404	6.6500e-003	0.5471	0.1448	6.2600e-003	0.1511	0.0000	543.8948	543.8948	0.0414	0.0335	554.9085
Unmitigated	0.4248	0.6296	3.3442	5.8000e-003	0.5404	6.6500e-003	0.5471	0.1448	6.2600e-003	0.1511	0.0000	543.8948	543.8948	0.0414	0.0335	554.9085

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	660.80	660.80	660.80	1,464,495	1,464,495
Total	660.80	660.80	660.80	1,464,495	1,464,495

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	7.30	3.00	7.90	35.00	17.00	48.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.483154	0.055228	0.190002	0.148740	0.046106	0.008769	0.010590	0.015505	0.000749	0.000411	0.034241	0.001163	0.005341

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.6447	51.6447	8.3600e-003	1.0100e-003	52.1553
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.6447	51.6447	8.3600e-003	1.0100e-003	52.1553
NaturalGas Mitigated	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251
NaturalGas Unmitigated	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	1.68263e+006	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251
Total		9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	1.68263e+006	9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251
Total		9.0700e-003	0.0775	0.0330	4.9000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	89.7915	89.7915	1.7200e-003	1.6500e-003	90.3251

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	558177	51.6447	8.3600e-003	1.0100e-003	52.1553
Total		51.6447	8.3600e-003	1.0100e-003	52.1553

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	558177	51.6447	8.3600e-003	1.0100e-003	52.1553
Total		51.6447	8.3600e-003	1.0100e-003	52.1553

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6362	0.0934	0.5567	5.9000e-004		9.9400e-003	9.9400e-003		9.9400e-003	9.9400e-003	0.0000	102.0226	102.0226	2.7500e-003	1.8500e-003	102.6442
Unmitigated	8.8219	0.1624	10.5981	0.0182		1.4149	1.4149		1.4149	1.4149	134.0598	53.9035	187.9633	0.1209	0.0106	194.1308

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4921					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.1959	0.1564	10.0785	0.0182		1.4120	1.4120		1.4120	1.4120	134.0598	53.0545	187.1142	0.1201	0.0106	193.2614
Landscaping	0.0156	5.9900e-003	0.5195	3.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	0.8490	0.8490	8.1000e-004	0.0000	0.8694
Total	8.8219	0.1624	10.5981	0.0182		1.4149	1.4149		1.4149	1.4149	134.0598	53.9035	187.9633	0.1209	0.0106	194.1308

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4921					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0102	0.0874	0.0372	5.6000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	101.1736	101.1736	1.9400e-003	1.8500e-003	101.7748
Landscaping	0.0156	5.9900e-003	0.5195	3.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	0.8490	0.8490	8.1000e-004	0.0000	0.8694
Total	0.6362	0.0934	0.5567	5.9000e-004		9.9400e-003	9.9400e-003		9.9400e-003	9.9400e-003	0.0000	102.0226	102.0226	2.7500e-003	1.8500e-003	102.6442

7.0 Water Detail

7.1 Mitigation Measures Water

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.6614	0.1491	3.5700e-003	9.4542
Unmitigated	4.6614	0.1491	3.5700e-003	9.4542

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	4.56078 / 2.87528	4.6614	0.1491	3.5700e-003	9.4542
Total		4.6614	0.1491	3.5700e-003	9.4542

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	4.56078 / 2.87528	4.6614	0.1491	3.5700e-003	9.4542
Total		4.6614	0.1491	3.5700e-003	9.4542

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.6154	0.8637	0.0000	36.2089
Unmitigated	14.6154	0.8637	0.0000	36.2089

Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	72	14.6154	0.8637	0.0000	36.2089
Total		14.6154	0.8637	0.0000	36.2089

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	72	14.6154	0.8637	0.0000	36.2089
Total		14.6154	0.8637	0.0000	36.2089

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Pacific Flyway Project - Butte County AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Pacific Flyway Project
Butte County AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	70.00	Dwelling Unit	14.82	126,000.00	200

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	71
Climate Zone	3			Operational Year	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to match site plan.

Construction Phase - Architectural coating adjusted to occur simultaneously with building construction.

Vehicle Trips - Trip gen adjusted based on ITE Trip Gen Manual 10th Edition, Land Use 210.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblLandUse	LotAcreage	22.73	14.82
tblVehicleTrips	ST_TR	9.54	9.44
tblVehicleTrips	SU_TR	8.55	9.44

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.7771	34.5541	28.5791	0.0632	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,121.5629	6,121.5629	1.9487	0.0245	6,171.3398
2024	9.6558	15.0116	18.8045	0.0327	0.2057	0.6771	0.8828	0.0555	0.6406	0.6960	0.0000	3,124.4216	3,124.4216	0.6267	0.0237	3,147.1550
Maximum	9.7771	34.5541	28.5791	0.0632	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,121.5629	6,121.5629	1.9487	0.0245	6,171.3398

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.7771	34.5541	28.5791	0.0632	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,121.5629	6,121.5629	1.9487	0.0245	6,171.3398
2024	9.6558	15.0116	18.8045	0.0327	0.2057	0.6771	0.8828	0.0555	0.6406	0.6960	0.0000	3,124.4216	3,124.4216	0.6267	0.0237	3,147.1550
Maximum	9.7771	34.5541	28.5791	0.0632	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,121.5629	6,121.5629	1.9487	0.0245	6,171.3398

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

[illegible]

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2
Energy	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Mobile	2.9785	3.2068	19.8679	0.0341	3.0987	0.0366	3.1353	0.8275	0.0344	0.8619		3,528.485 2	3,528.485 2	0.2371	0.1953	3,592.619 5
Total	115.8254	5.7831	160.2018	0.2795	3.0987	18.9302	22.0289	0.8275	18.9280	19.7555	1,970.341 5	4,860.996 9	6,831.338 3	2.0223	0.3604	6,989.292 7

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.6543	1.2313	6.2683	7.7400e-003		0.1262	0.1262		0.1262	0.1262	0.0000	1,497.396 3	1,497.396 3	0.0385	0.0273	1,506.482 2
Energy	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Mobile	2.9785	3.2068	19.8679	0.0341	3.0987	0.0366	3.1353	0.8275	0.0344	0.8619		3,528.485 2	3,528.485 2	0.2371	0.1953	3,592.619 5
Total	6.6825	4.8630	26.3170	0.0446	3.0987	0.1971	3.2958	0.8275	0.1949	1.0224	0.0000	5,568.227 5	5,568.227 5	0.2860	0.2325	5,644.670 7

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	94.23	15.91	83.57	84.05	0.00	98.96	85.04	0.00	98.97	94.82	100.00	-14.55	18.49	85.86	35.48	19.24

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	7/26/2023	5	30	
3	Paving	Paving	7/27/2023	8/23/2023	5	20	
4	Building Construction	Building Construction	8/24/2023	10/16/2024	5	300	
5	Architectural Coating	Architectural Coating	9/10/2023	10/30/2024	5	300	

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 0****Residential Indoor: 255,150; Residential Outdoor: 85,050; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	7.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0714	0.0347	0.4751	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		99.0767	99.0767	3.9800e-003	3.2000e-003	100.1306
Total	0.0714	0.0347	0.4751	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		99.0767	99.0767	3.9800e-003	3.2000e-003	100.1306

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0714	0.0347	0.4751	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		99.0767	99.0767	3.9800e-003	3.2000e-003	100.1306
Total	0.0714	0.0347	0.4751	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		99.0767	99.0767	3.9800e-003	3.2000e-003	100.1306

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.477 7	6,011.477 7	1.9442		6,060.083 6
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0793	0.0385	0.5279	1.0800e-003	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		110.0852	110.0852	4.4200e-003	3.5600e-003	111.2563
Total	0.0793	0.0385	0.5279	1.0800e-003	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		110.0852	110.0852	4.4200e-003	3.5600e-003	111.2563

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0793	0.0385	0.5279	1.0800e-003	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		110.0852	110.0852	4.4200e-003	3.5600e-003	111.2563
Total	0.0793	0.0385	0.5279	1.0800e-003	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		110.0852	110.0852	4.4200e-003	3.5600e-003	111.2563

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0289	0.3960	8.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		82.5639	82.5639	3.3200e-003	2.6700e-003	83.4422
Total	0.0595	0.0289	0.3960	8.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		82.5639	82.5639	3.3200e-003	2.6700e-003	83.4422

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0289	0.3960	8.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		82.5639	82.5639	3.3200e-003	2.6700e-003	83.4422
Total	0.0595	0.0289	0.3960	8.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		82.5639	82.5639	3.3200e-003	2.6700e-003	83.4422

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5100e-003	0.3014	0.1027	1.2200e-003	0.0390	1.9500e-003	0.0410	0.0112	1.8700e-003	0.0131		128.3445	128.3445	5.0000e-004	0.0191	134.0508
Worker	0.0992	0.0482	0.6599	1.3400e-003	0.1389	8.5000e-004	0.1398	0.0369	7.9000e-004	0.0376		137.6065	137.6065	5.5300e-003	4.4500e-003	139.0703
Total	0.1087	0.3496	0.7626	2.5600e-003	0.1779	2.8000e-003	0.1807	0.0481	2.6600e-003	0.0508		265.9510	265.9510	6.0300e-003	0.0236	273.1211

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5100e-003	0.3014	0.1027	1.2200e-003	0.0390	1.9500e-003	0.0410	0.0112	1.8700e-003	0.0131		128.3445	128.3445	5.0000e-004	0.0191	134.0508
Worker	0.0992	0.0482	0.6599	1.3400e-003	0.1389	8.5000e-004	0.1398	0.0369	7.9000e-004	0.0376		137.6065	137.6065	5.5300e-003	4.4500e-003	139.0703
Total	0.1087	0.3496	0.7626	2.5600e-003	0.1779	2.8000e-003	0.1807	0.0481	2.6600e-003	0.0508		265.9510	265.9510	6.0300e-003	0.0236	273.1211

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1700e-003	0.2976	0.0999	1.2000e-003	0.0390	1.9300e-003	0.0410	0.0112	1.8500e-003	0.0131		126.2700	126.2700	4.8000e-004	0.0188	131.8763
Worker	0.0918	0.0429	0.6063	1.3000e-003	0.1389	8.0000e-004	0.1397	0.0369	7.4000e-004	0.0376		134.1706	134.1706	4.9800e-003	4.1200e-003	135.5223
Total	0.1009	0.3405	0.7062	2.5000e-003	0.1779	2.7300e-003	0.1807	0.0481	2.5900e-003	0.0507		260.4405	260.4405	5.4600e-003	0.0229	267.3987

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Building Construction - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1700e-003	0.2976	0.0999	1.2000e-003	0.0390	1.9300e-003	0.0410	0.0112	1.8500e-003	0.0131		126.2700	126.2700	4.8000e-004	0.0188	131.8763
Worker	0.0918	0.0429	0.6063	1.3000e-003	0.1389	8.0000e-004	0.1397	0.0369	7.4000e-004	0.0376		134.1706	134.1706	4.9800e-003	4.1200e-003	135.5223
Total	0.1009	0.3405	0.7062	2.5000e-003	0.1779	2.7300e-003	0.1807	0.0481	2.5900e-003	0.0507		260.4405	260.4405	5.4600e-003	0.0229	267.3987

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	8.0758	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	9.6400e-003	0.1320	2.7000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		27.5213	27.5213	1.1100e-003	8.9000e-004	27.8141
Total	0.0198	9.6400e-003	0.1320	2.7000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		27.5213	27.5213	1.1100e-003	8.9000e-004	27.8141

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	8.0758	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	9.6400e-003	0.1320	2.7000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		27.5213	27.5213	1.1100e-003	8.9000e-004	27.8141
Total	0.0198	9.6400e-003	0.1320	2.7000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		27.5213	27.5213	1.1100e-003	8.9000e-004	27.8141

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	8.0649	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0184	8.5700e-003	0.1213	2.6000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		26.8341	26.8341	1.0000e-003	8.2000e-004	27.1045
Total	0.0184	8.5700e-003	0.1213	2.6000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		26.8341	26.8341	1.0000e-003	8.2000e-004	27.1045

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	8.0649	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0184	8.5700e-003	0.1213	2.6000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		26.8341	26.8341	1.0000e-003	8.2000e-004	27.1045
Total	0.0184	8.5700e-003	0.1213	2.6000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		26.8341	26.8341	1.0000e-003	8.2000e-004	27.1045

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9785	3.2068	19.8679	0.0341	3.0987	0.0366	3.1353	0.8275	0.0344	0.8619		3,528.485 2	3,528.485 2	0.2371	0.1953	3,592.619 5
Unmitigated	2.9785	3.2068	19.8679	0.0341	3.0987	0.0366	3.1353	0.8275	0.0344	0.8619		3,528.485 2	3,528.485 2	0.2371	0.1953	3,592.619 5

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	660.80	660.80	660.80	1,464,495	1,464,495
Total	660.80	660.80	660.80	1,464,495	1,464,495

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	7.30	3.00	7.90	35.00	17.00	48.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.483154	0.055228	0.190002	0.148740	0.046106	0.008769	0.010590	0.015505	0.000749	0.000411	0.034241	0.001163	0.005341

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
NaturalGas Unmitigated	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4609.94	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Total		0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4.60994	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Total		0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6543	1.2313	6.2683	7.7400e-003		0.1262	0.1262		0.1262	0.1262	0.0000	1,497.3963	1,497.3963	0.0385	0.0273	1,506.4822
Unmitigated	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.3415	790.1657	2,760.5072	1.7749	0.1551	2,851.1042

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	109.2793	2.0849	134.3805	0.2424		18.8273	18.8273		18.8273	18.8273	1,970.341 5	779.7671	2,750.108 5	1.7649	0.1551	2,840.456 1
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1363	1.1648	0.4957	7.4300e-003		0.0942	0.0942		0.0942	0.0942	0.0000	1,486.9977	1,486.9977	0.0285	0.0273	1,495.8341
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	3.6543	1.2313	6.2683	7.7300e-003		0.1262	0.1262		0.1262	0.1262	0.0000	1,497.3963	1,497.3963	0.0385	0.0273	1,506.4822

7.0 Water Detail

7.1 Mitigation Measures Water

Pacific Flyway Project - Butte County AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Pacific Flyway Project
Butte County AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	70.00	Dwelling Unit	14.82	126,000.00	200

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	71
Climate Zone	3			Operational Year	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to match site plan.

Construction Phase - Architectural coating adjusted to occur simultaneously with building construction.

Vehicle Trips - Trip gen adjusted based on ITE Trip Gen Manual 10th Edition, Land Use 210.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblLandUse	LotAcreage	22.73	14.82
tblVehicleTrips	ST_TR	9.54	9.44
tblVehicleTrips	SU_TR	8.55	9.44

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.7534	34.5628	28.5129	0.0630	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,108.7550	6,108.7550	1.9494	0.0253	6,158.7040
2024	9.6338	15.0477	18.7210	0.0325	0.2057	0.6771	0.8829	0.0555	0.6406	0.6960	0.0000	3,106.0427	3,106.0427	0.6277	0.0245	3,129.0351
Maximum	9.7534	34.5628	28.5129	0.0630	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,108.7550	6,108.7550	1.9494	0.0253	6,158.7040

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	9.7534	34.5628	28.5129	0.0630	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,108.7550	6,108.7550	1.9494	0.0253	6,158.7040
2024	9.6338	15.0477	18.7210	0.0325	0.2057	0.6771	0.8829	0.0555	0.6406	0.6960	0.0000	3,106.0427	3,106.0427	0.6277	0.0245	3,129.0351
Maximum	9.7534	34.5628	28.5129	0.0630	19.7570	1.4252	21.0237	10.1290	1.3112	11.2943	0.0000	6,108.7550	6,108.7550	1.9494	0.0253	6,158.7040

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

[illegible]

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.341 5	790.1657	2,760.507 2	1.7749	0.1551	2,851.104 2
Energy	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Mobile	2.2039	3.6799	19.5469	0.0313	3.0987	0.0366	3.1353	0.8275	0.0345	0.8619		3,234.251 0	3,234.251 0	0.2728	0.2126	3,304.412 3
Total	115.0508	6.2562	159.8808	0.2767	3.0987	18.9302	22.0289	0.8275	18.9281	19.7555	1,970.341 5	4,566.762 8	6,537.104 2	2.0581	0.3776	6,701.085 4

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.6543	1.2313	6.2683	7.7400e-003		0.1262	0.1262		0.1262	0.1262	0.0000	1,497.396 3	1,497.396 3	0.0385	0.0273	1,506.482 2
Energy	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Mobile	2.2039	3.6799	19.5469	0.0313	3.0987	0.0366	3.1353	0.8275	0.0345	0.8619		3,234.251 0	3,234.251 0	0.2728	0.2126	3,304.412 3
Total	5.9079	5.3361	25.9960	0.0417	3.0987	0.1971	3.2958	0.8275	0.1950	1.0225	0.0000	5,273.993 4	5,273.993 4	0.3217	0.2498	5,356.463 4

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	94.86	14.71	83.74	84.92	0.00	98.96	85.04	0.00	98.97	94.82	100.00	-15.49	19.32	84.37	33.86	20.07

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	7/26/2023	5	30	
3	Paving	Paving	7/27/2023	8/23/2023	5	20	
4	Building Construction	Building Construction	8/24/2023	10/16/2024	5	300	
5	Architectural Coating	Architectural Coating	9/10/2023	10/30/2024	5	300	

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 0****Residential Indoor: 255,150; Residential Outdoor: 85,050; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	7.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0575	0.0425	0.4156	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		87.5496	87.5496	4.6600e-003	3.6700e-003	88.7584
Total	0.0575	0.0425	0.4156	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		87.5496	87.5496	4.6600e-003	3.6700e-003	88.7584

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Site Preparation - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0575	0.0425	0.4156	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		87.5496	87.5496	4.6600e-003	3.6700e-003	88.7584
Total	0.0575	0.0425	0.4156	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.7000e-004	0.0271		87.5496	87.5496	4.6600e-003	3.6700e-003	88.7584

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.477 7	6,011.477 7	1.9442		6,060.083 6
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0639	0.0472	0.4617	9.5000e-004	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		97.2773	97.2773	5.1800e-003	4.0700e-003	98.6205
Total	0.0639	0.0472	0.4617	9.5000e-004	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		97.2773	97.2773	5.1800e-003	4.0700e-003	98.6205

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	0.0000	6,011.477 7	6,011.477 7	1.9442		6,060.083 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0639	0.0472	0.4617	9.5000e-004	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		97.2773	97.2773	5.1800e-003	4.0700e-003	98.6205
Total	0.0639	0.0472	0.4617	9.5000e-004	0.1111	6.8000e-004	0.1118	0.0295	6.3000e-004	0.0301		97.2773	97.2773	5.1800e-003	4.0700e-003	98.6205

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0479	0.0354	0.3463	7.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		72.9580	72.9580	3.8800e-003	3.0500e-003	73.9653
Total	0.0479	0.0354	0.3463	7.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		72.9580	72.9580	3.8800e-003	3.0500e-003	73.9653

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0479	0.0354	0.3463	7.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		72.9580	72.9580	3.8800e-003	3.0500e-003	73.9653
Total	0.0479	0.0354	0.3463	7.1000e-004	0.0833	5.1000e-004	0.0839	0.0221	4.7000e-004	0.0226		72.9580	72.9580	3.8800e-003	3.0500e-003	73.9653

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.3263	0.1065	1.2200e-003	0.0390	1.9600e-003	0.0410	0.0112	1.8800e-003	0.0131		128.6496	128.6496	4.8000e-004	0.0192	134.3774
Worker	0.0799	0.0590	0.5772	1.1900e-003	0.1389	8.5000e-004	0.1398	0.0369	7.9000e-004	0.0376		121.5966	121.5966	6.4700e-003	5.0900e-003	123.2756
Total	0.0888	0.3853	0.6836	2.4100e-003	0.1779	2.8100e-003	0.1808	0.0481	2.6700e-003	0.0508		250.2462	250.2462	6.9500e-003	0.0243	257.6530

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.3263	0.1065	1.2200e-003	0.0390	1.9600e-003	0.0410	0.0112	1.8800e-003	0.0131		128.6496	128.6496	4.8000e-004	0.0192	134.3774
Worker	0.0799	0.0590	0.5772	1.1900e-003	0.1389	8.5000e-004	0.1398	0.0369	7.9000e-004	0.0376		121.5966	121.5966	6.4700e-003	5.0900e-003	123.2756
Total	0.0888	0.3853	0.6836	2.4100e-003	0.1779	2.8100e-003	0.1808	0.0481	2.6700e-003	0.0508		250.2462	250.2462	6.9500e-003	0.0243	257.6530

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6200e-003	0.3222	0.1037	1.2000e-003	0.0390	1.9400e-003	0.0410	0.0112	1.8600e-003	0.0131		126.5762	126.5762	4.5000e-004	0.0188	132.2033
Worker	0.0740	0.0525	0.5336	1.1500e-003	0.1389	8.0000e-004	0.1397	0.0369	7.4000e-004	0.0376		118.5997	118.5997	5.8600e-003	4.7100e-003	120.1499
Total	0.0826	0.3746	0.6373	2.3500e-003	0.1779	2.7400e-003	0.1807	0.0481	2.6000e-003	0.0507		245.1759	245.1759	6.3100e-003	0.0236	252.3532

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6200e-003	0.3222	0.1037	1.2000e-003	0.0390	1.9400e-003	0.0410	0.0112	1.8600e-003	0.0131		126.5762	126.5762	4.5000e-004	0.0188	132.2033
Worker	0.0740	0.0525	0.5336	1.1500e-003	0.1389	8.0000e-004	0.1397	0.0369	7.4000e-004	0.0376		118.5997	118.5997	5.8600e-003	4.7100e-003	120.1499
Total	0.0826	0.3746	0.6373	2.3500e-003	0.1779	2.7400e-003	0.1807	0.0481	2.6000e-003	0.0507		245.1759	245.1759	6.3100e-003	0.0236	252.3532

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	8.0758	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0118	0.1154	2.4000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		24.3193	24.3193	1.2900e-003	1.0200e-003	24.6551
Total	0.0160	0.0118	0.1154	2.4000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		24.3193	24.3193	1.2900e-003	1.0200e-003	24.6551

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	8.0758	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0118	0.1154	2.4000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		24.3193	24.3193	1.2900e-003	1.0200e-003	24.6551
Total	0.0160	0.0118	0.1154	2.4000e-004	0.0278	1.7000e-004	0.0280	7.3700e-003	1.6000e-004	7.5300e-003		24.3193	24.3193	1.2900e-003	1.0200e-003	24.6551

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	8.0649	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	0.0105	0.1067	2.3000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		23.7199	23.7199	1.1700e-003	9.4000e-004	24.0300
Total	0.0148	0.0105	0.1067	2.3000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		23.7199	23.7199	1.1700e-003	9.4000e-004	24.0300

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	8.0649	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	0.0105	0.1067	2.3000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		23.7199	23.7199	1.1700e-003	9.4000e-004	24.0300
Total	0.0148	0.0105	0.1067	2.3000e-004	0.0278	1.6000e-004	0.0279	7.3700e-003	1.5000e-004	7.5200e-003		23.7199	23.7199	1.1700e-003	9.4000e-004	24.0300

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2039	3.6799	19.5469	0.0313	3.0987	0.0366	3.1353	0.8275	0.0345	0.8619		3,234.2510	3,234.2510	0.2728	0.2126	3,304.4123
Unmitigated	2.2039	3.6799	19.5469	0.0313	3.0987	0.0366	3.1353	0.8275	0.0345	0.8619		3,234.2510	3,234.2510	0.2728	0.2126	3,304.4123

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	660.80	660.80	660.80	1,464,495	1,464,495
Total	660.80	660.80	660.80	1,464,495	1,464,495

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	7.30	3.00	7.90	35.00	17.00	48.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.483154	0.055228	0.190002	0.148740	0.046106	0.008769	0.010590	0.015505	0.000749	0.000411	0.034241	0.001163	0.005341

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
NaturalGas Unmitigated	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4609.94	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Total		0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4.60994	0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689
Total		0.0497	0.4248	0.1808	2.7100e-003		0.0344	0.0344		0.0344	0.0344		542.3460	542.3460	0.0104	9.9400e-003	545.5689

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6543	1.2313	6.2683	7.7400e-003		0.1262	0.1262		0.1262	0.1262	0.0000	1,497.3963	1,497.3963	0.0385	0.0273	1,506.4822
Unmitigated	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.3415	790.1657	2,760.5072	1.7749	0.1551	2,851.1042

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	109.2793	2.0849	134.3805	0.2424		18.8273	18.8273		18.8273	18.8273	1,970.3415	779.7671	2,750.1085	1.7649	0.1551	2,840.4561
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	112.7972	2.1514	140.1531	0.2427		18.8593	18.8593		18.8593	18.8593	1,970.3415	790.1657	2,760.5072	1.7749	0.1551	2,851.1042

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1363	1.1648	0.4957	7.4300e-003		0.0942	0.0942		0.0942	0.0942	0.0000	1,486.9977	1,486.9977	0.0285	0.0273	1,495.8341
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	3.6543	1.2313	6.2683	7.7300e-003		0.1262	0.1262		0.1262	0.1262	0.0000	1,497.3963	1,497.3963	0.0385	0.0273	1,506.4822

7.0 Water Detail

7.1 Mitigation Measures Water

Pacific Flyway Project - Butte County AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Appendix B
Soils Investigation Report



Soils Investigation Report

for

**Gridley Unit 1
South of Colusa Highway
Gridley, California**

**Prepared for:
Community Housing Improvement Program
1001 Willow Street
Chico, California 95928**

Streamline Project No. 4775

July 6, 2022

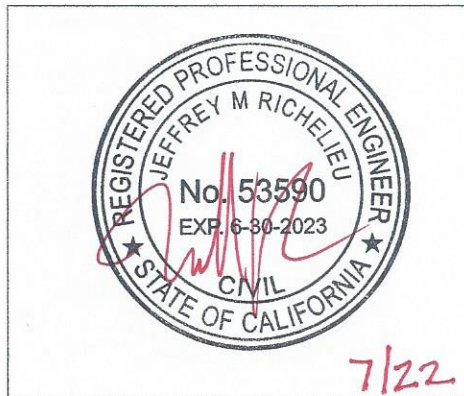




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Figures: Figure 1: Test Pit Location Map
 Figure 2: Unified Soil Classification System
 Figure 3: Earthquake Epicenter Map
 Figure 4: USGS Design Maps Summary Report

Appendix A: Field Investigation Description and Logs

Appendix B: Laboratory Test Data

Appendix C: "R" Value Results



1.0 INTRODUCTION

1.1 General

Streamline Engineering, Inc. and Applied Testing Consultants have performed an investigation of the soil beneath the proposed building pads for the subdivision referenced on the cover sheet. The purpose of this report is to provide the design parameters for the foundation system required to support the structure(s) described herein. This report is intended to satisfy the requirements of the 2019 CBC Section 1803. This report should not be used for additional structures on this site without written approval of Streamline Engineering.

1.2 Proposed Construction

This report is prepared based on the assumption that the proposed structure(s) will be one or two-story single-family homes with conventional concrete spread foundations. The building pad(s) are located as shown on the map included as "Figure 1". The foundation system design is not within the scope of this report. The foundation designer is solely responsible for providing an adequate foundation design to support all imposed loads on the structure including loads required by the California Building Code (CBC) edition as noted in 1.1 above.

1.3 Scope of Work

The scope of our services included the following:

- Exploration of the subsurface conditions near the proposed building pad using exploratory test hole(s) as shown on Figure 1.
- On-site observations of the area surrounding the building pads.
- Provide the seismic design variables, SMs, SM1, SDs, SD1, soil site class, and the Seismic Design Category provided by the United States Geological Survey.
- Provide soil classification per Table 1806.2 of the CBC based on on-site observations, and soil testing.
- Prepare report of findings and recommendations.
- The scope of work excludes any items not mentioned above.

1.4 Attachments

This report contains Site and Test Pit Location Plans, a profile log for test pit(s) 1 thru 7, laboratory test data sheets (including Atterburg Limits, Gradations, and ASCE 7-16 Standard Seismic Design Provisions from the website: <http://www.seismicmaps.org> See Figures and Appendices.



2.0 FINDINGS

2.1 Site Description

The development site is located on a parcel bounded to the north by an existing subdivision and to the east, west, and south by orchards. The site is located in Gridley, California (See Figure 1). The site is relatively flat. We made a site visit on 6/01/2022 and found no significant areas of standing water.

2.2 Subsurface Soil Conditions

The soil encountered in the top 7' of our seven test hole(s) consists of brown silty sand. It was determined that the test pit(s) were of sufficient depth to represent the soil profile of the site. The excavations revealed relatively consistent subsurface soil for the profile. The soils would be classified as SC-Clayey Sand. See Appendices for more information. After the test pit(s) were dug and soil samples taken, the hole(s) were filled back in. The hole(s) were not properly compacted to any standard specifications.

2.3 Erosion Controls

It is not within the scope of this report to determine erosion controls. The owner is solely responsible for monitoring erosion for this site. Erosion on or near the site could have a negative impact on any proposed structures on this site. The owner shall maintain the site and surrounding areas as necessary to protect the structure(s) from the effects of erosion and be in compliance with all government requirements.

2.4 Ground Water

At the time of our field investigation, no groundwater was encountered in our test holes. It should be noted that the groundwater level on this site will vary depending on the local rainfall, irrigation practices, and runoff conditions. Perched water was not encountered.

2.5 Asphalt Pavement

It is not within the scope of this report to provide any recommendations for the construction of asphalt pavement. See Appendix C for R-Value.

2.6 Corrosive Soils

It was not in the scope of this report to test for corrosive soils. It should be noted that Streamline Engineering does not provide corrosion engineering services. If it is necessary to test for corrosive soils, we recommend that a qualified corrosion engineer be retained to provide the necessary services and testing.



3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Site Clearing and Grubbing

The site was cleared at the time of our observation. Existing foundations, utilities, septic tanks, and leach fields must be located and removed prior to grading the site. Tree stumps and roots larger than 1" in diameter shall be removed from the building pad area and replaced with properly compacted engineered fill. All voids resulting from the removal of foreign objects shall be replaced with properly compacted engineered fill.

3.2 Site Preparation

After completing site clearing and grubbing, the exposed native soil to receive engineered fill should be scarified to a minimum depth of 8" and then uniformly moisture conditioned to within ± 4 percent of the ASTM D1557 optimum moisture content. All surface grades shall be constructed to drain surface water away from the structure pad for a minimum of 10' on all sides. Roof drain discharge should be collected and directed to discharge down slope from the building pad a minimum of 10' away from the building. All compactions shall be observed by Applied Testing Consultants.

3.3 Engineered Fill Construction

Where engineered fills are used to support the proposed structure(s) they shall be constructed as noted below:

Prior to placement of engineered fill within the pad areas, all organics shall be removed and replaced with compacted engineered fill. The exposed sub-grades should be moisture conditioned and compacted to a minimum of 90% relative compaction, based on test method ASTM D1557. Engineered fill should be placed in 8" loose lifts, moisture conditioned and compacted to 90% relative compaction. The compacted thickness of each layer shall not exceed 6 inches. Compaction control and testing should be performed by a qualified testing agency to insure the recommendations of this report are followed. Depending on the amount of rock encountered in the on-site or import soils. We recommend that compaction testing be performed using Sand Cone methods (per ASTM D1556), or Nuclear Density methods (per ASTM D2922). If imported off-site material is required to build the pads to finish grade, it must be approved by a representative from our office and meet the following minimum criteria. Import material must have a plasticity index of less than 14; be non-expansive ($EL < 20$); have 100% passing the 3" sieve; 30% to 60% passing the #4 sieve; and no more than 20% passing the #200 sieve.

Note:

At the owner's option the finished floor elevation can be raised with pea gravel. If pea gravel is used it shall be bounded on all sides by an engineered concrete stemwall. Compaction tests will not be required for pea gravel fills constructed in this manner.



3.3.1 Utility Trench Backfill

Utility trenches excavated parallel to the foundations shall be set back from the edge of the footings such that the bottom of the trench lies above a projected 1.5 Horizontal:1 Vertical line extending downward from the bottom of the centerline of the footing. Backfill placed above the bedding in utility trenches should be properly placed and adequately compacted to minimize settlement and provide stable subgrade.

Excavations to be entered by workers shall be properly shored up in accordance with current OSHA regulations. The contractor must provide an adequate shoring system in accordance with Federal, State, and local safety regulations to protect individuals working in or near an excavation that may expose them to the danger of moving ground. The shoring shall be designed by others to also support the additional weight of any stored materials or heavy equipment working near the excavation that would increase the pressure on the side walls of the excavation.

3.4 Foundation Design Recommendations:

Based on the results of our field investigation, it is our professional opinion that the structure(s) described in Section 1.2 may be supported on continuous or isolated reinforced concrete footings. The footings shall be properly sized by a design professional to support the design loads without exceeding the allowable design values provided in this report. The bottom of all footings shall be level and clean. Continuous footings shall be stepped and not sloped where site conditions are not flat.

Design Criteria:

NOTE: THESE VALUES SHOWN ARE MINIMUM DESIGN VALUES AND DIMENSIONS. LARGER DIMENSIONS AND LOWER DESIGN VALUES MAY BE USED AT THE DISCRETION OF THE DESIGN PROFESSIONAL. IT IS NOT WITHIN THE SCOPE OF THIS REPORT TO DESIGN THE FOUNDATIONS.

Class of Materials:	0 to -7.0'±	Class 4 SC
Allowable Foundation at 12" into Class 4 or engineered fill:		
Dead + Live loads:	2,000 psf	
Wind or seismic loads:	2,500 psf	
Allowable Lateral Bearing Pressure:	150 pcf	
Lateral Sliding Resistance:	0.25 coefficient of friction	
Minimum footing depth:	1 story building: 12"	
	2-3 story building: 18"	
Minimum footing width:	Determined by foundation design professional for all cases	
Minimum footing steel:	Determined by foundation design professional for all cases	
Moisture control through slabs:	Determined by design professional	

Note: Any deviation from the assumptions stated above will require written approval of Streamline Engineering.



3.5 Interior Concrete Slabs on Grade for Moisture Sensitive Areas

This section pertains to interior concrete slabs that do not support loads greater than 225 psf. Slabs supporting loads greater than 225 psf shall be designed by a California registered design professional.

Slabs shall be a minimum of 4" thick and reinforced with #3 @ 24" o.c. in both directions placed in the center of the concrete. The steel shall be placed on dobies to insure that it stays in the center of the slab during the pour. If the finished area is sensitive to moisture or used for living space, the slab shall be placed over 10 mil., high density polyethylene membrane. The membrane shall be properly sealed at all laps, edges and penetrations. The membrane shall be placed over 4" minimum thick clean, crushed rock. The rock shall be placed on sub-grade prepared as noted in this report. (The builder shall design a mix design for the concrete that will address bleeding, shrinkage, and curling of the concrete placed directly on the vapor barrier.)

The slab can be expected to crack as the concrete cures. This is normal and cannot be controlled with reinforcement or control joints. The purpose of the reinforcement is to minimize the number and size of the cracks, but not to eliminate cracking altogether.

3.6 Special Inspections

The foundation system is conventional in nature and within the scope of the required Building Department inspections. There are no special inspections required for the excavations or concrete footings associated with this project. The contractor is required to contact Streamline Engineering if any unusual soil conditions are discovered.

3.7 Site Geology and Seismicity

The site is not within an Alquist-Priolo Special Studies Zone according to the State of California Department of Conservation. There are no active faults running through the site according to the book, "Maps of Known Active Fault Near-Source Zones in California and Adjacent Portions of Nevada". Based on these sources, surface rupture due to faulting activity should not be an issue for this site. Due to the frequency of earthquakes in Northern California, ground motion should be expected to occur at this site during the life of the proposed structure. Based on the ASCE 7-16 Standard Seismic Design Provisions for this parcel we have the following Seismic variables:

For Lat. = 39.361418 degrees N and Long. = 121.716364 degrees West

Soil Site Class	D (per CBC 1613.5.2)
Ss, Period 0.2 sec.:	0.611 g
S1, Period 1.0 sec.:	0.273 g
SMs = $F_a \times S_s$:	0.802 g
SM1 = $F_v \times S1$:	null-See Section 11.4.8
SDs = $\frac{2}{3} \times SMs$:	0.534 g
SD1 = $\frac{2}{3} \times SM1$:	null-See Section 11.4.8

Seismic Design Category: D (As defined by the CBC)



3.8 Soil Expansion Potential

Based on our review of the site, soil testing, and the soils maps, we have determined that the soil found at this site does not have significant expansion potential. The results of the Plasticity Index tests were low, so no Expansion Index testing was performed.

3.9 Liquefaction Potential

Liquefaction is a phenomenon in which the strength and stiffness of a soil is reduced by earthquake shaking or other rapid loading. Liquefaction occurs in saturated soils, that is, soils in which the space between individual particles is completely filled with water. This water exerts a pressure on the soil particles that influences how tightly the particles themselves are pressed together. Prior to an earthquake, the water pressure is relatively low. However, earthquake shaking can cause the water pressure to increase to the point where the soil particles can readily move with respect to each other. When liquefaction occurs, the strength of the soil decreases and, the ability of a soil deposit to support foundations for structures is significantly reduced. Based on our site review, the soil types found at this site are not prone to liquefaction.

3.10 CBC Requirements

This section is intended to address the applicable requirements listed in section 1803 (Foundation and Soils Investigations) of the CBC. The following code sections have been specifically addressed as noted below:

- 1803.3.1** The classification and investigation of the soil has been made by a registered design professional. The wet stamp and signature of the individual responsible for the report is on the cover sheet.

- 1803.5.1** The soil classification has been determined based on the soils map provided by the USDA, and on-site observation. For the purpose of soil classification, on-site observation by a registered design professional without testing is acceptable per Section 1803.3.1 of the CBC. See "Design Criteria" in Section 3.4 for soil classification.

- 1803.5.3** See section 3.8 "Soil Expansion potential" in this report.



4.0 LIMITATIONS

This report was prepared according to the scope of work included in our "Contract for Professional Services" agreement made between Streamline Engineering and our client. This report is intended for the sole use of our client. Use of the report by a third party is neither expressed nor implied and shall be at the party's sole risk.

Our recommendations contained in this report are based on our engineering judgment, research of government documents, and site observations for the site location described in this report. This report was prepared specifically for the proposed structure(s) described in this report. If additional structures are constructed at this property, the owner shall contact Streamline Engineering for approval. Our findings are based on the condition of the site as it existed at the time of our site observation. If site conditions have changed since our investigation was completed, we shall be notified to examine the changes and determine if our initial recommendations are still valid. This report is only valid for the CBC edition shown in section 1.1. For structures built under newer additions of the CBC, written approval from Streamline Engineering is required.

If on-site excavations during construction reveal conditions different than specified in this report, Streamline shall be contacted for a follow up evaluation and possibly new recommendations. This report is not valid for discovery items or other changes to the site. This report should not be used after 2 years of the specified date on the cover sheet without written approval of Streamline Engineering.

It is not within the scope of our work to locate buried objects or problems that were concealed by others. These objects include, but are not limited to existing foundations, leach fields, septic tanks, fuel tanks, and underground utilities. We cannot be held liable for hidden objects.

The elevation of the groundwater noted in this project is only relevant for the date of the site observation. This depth to groundwater can change with time and location.

It is not within the scope of our work to identify or locate hazardous materials that may be contained on this site. These materials could be manmade or naturally occurring. If the owner would like to have a hazardous material survey performed, it is the owner's responsibility to contact a specialist in this field to perform the survey as needed.

These findings are based on our professional opinion and are not intended as a warranty of any kind. Design for consolidation, differential settlement, and engineered fill are by others. No warranty is expressed or implied. Please contact us with any questions at 530-892-1100



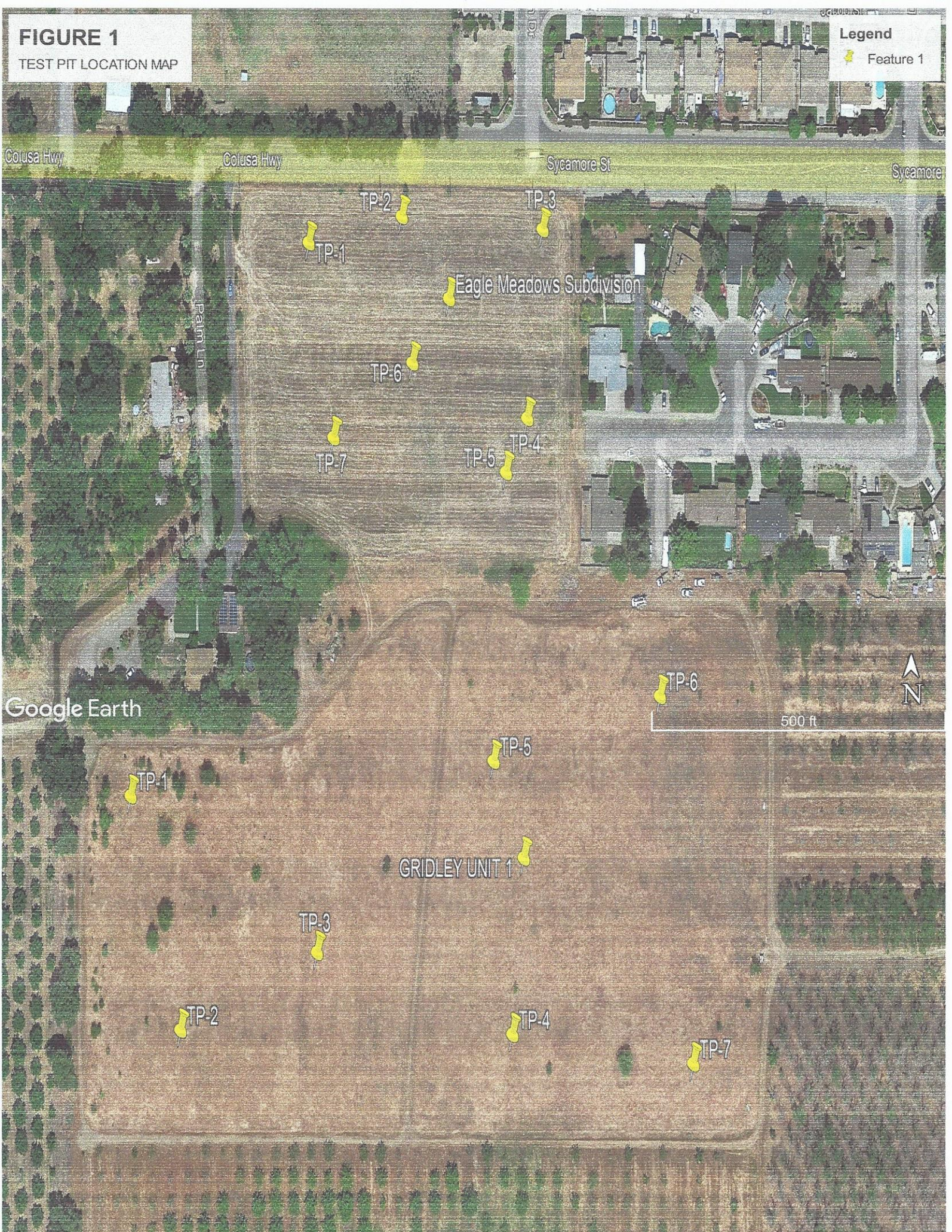
FIGURES

FIGURE 1

TEST PIT LOCATION MAP

Legend

Feature 1



UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		SYMBOLS	CODE	TYPICAL NAMES
COARSE GRAINED SOILS (More than $\frac{1}{2}$ of soil > No. 200 sieve size)	<u>GRAVELS</u> (More than $\frac{1}{2}$ of coarse fraction > No. 4 sieve size)	GW		Well graded gravels or gravel - sand mixtures, little or no fines
		GP		Poorly graded gravels or gravel - sand mixtures, little or no fines
		GM		Silty gravels, gravel - sand - silt mixtures
		GC		Clayey gravels, gravel - sand - clay mixtures
	<u>SANDS</u> (More than $\frac{1}{2}$ of coarse fraction < No. 4 sieve size)	SW		Well graded sands or gravelly sands, little or no fines
		SP		Poorly graded sands or gravelly sands, little or no fines
		SM		Silty sands, sand - silt mixtures
		SC		Clayey sands, sand - clay mixtures
FINE GRAINED SOILS (More than $\frac{1}{2}$ of soil < No. 200 sieve size)	<u>SILTS & CLAYS</u> <u>LL < 50</u>	ML		Inorganic silts and very fine sands, rock, silty or clayey fine sands or clayey silts with slight plasticity
		CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL		Organic silts and organic silty clays of low plasticity
	<u>SILTS & CLAYS</u> <u>LL > 50</u>	MH		Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
		CH		Inorganic clays of high plasticity, fat clays
		OH		Organic clays of medium to high plasticity, organic silty clays, organic silts
	<u>HIGHLY ORGANIC SOILS</u>		PT	

OTHER SYMBOLS

	= Drive Sample: 2-1/2" O.D. California sampler
	= Drive Sample: no recovery
	= Initial Water Level
	= Final Water Level
---	= Estimated or gradational material change line
—	= Observed material change line
<u>Laboratory Tests</u>	
PI	= Plasticity Index
EI	= Expansion Index
UCC	= Unconfined Compression Test
TR	= Triaxial Compression Test
GR	= Gradation Analysis (Sieve)
CON	= Consolidation Test

GRAIN SIZE CLASSIFICATION

CLASSIFICATION	RANGE OF GRAIN SIZE	
	U.S. Standard sieve size	Grain Size in Millimeters
BOULDERS	Above 12"	Above 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL coarse (c) fine (f)	3" to No. 4	76.2 to 4.76
	3" to 3/4"	76.2 to 19.1
	3/4" to No. 4	19.1 to 4.76
SAND coarse (c) medium (m) fine (f)	No. 4 to No. 200	4.76 to 0.074
	No. 4 to No. 10	4.76 to 2.00
	No. 10 to No. 40	2.00 to 0.420
	No. 40 to No. 200	0.420 to 0.074
SILT & CLAY	Below No. 200	Below 0.074

CONSISTENCY CLASSIFICATION

COHESIVE SOILS		GRANULAR SOILS	
Description	Below/ ft.	Description	Below/ ft.
Very Soft	< 3	Very Loose	< 5
Soft	3-5	Loose	5-15
Medium (firm)	6-10	Medium Dense	16-40
Stiff	11-20	Dense	41-65
Very Stiff	21-40	Very Dense	> 65
Hard	> 40		

Figure 2

CALIFORNIA EARTHQUAKE EPICENTER MAP
1932 to 2000

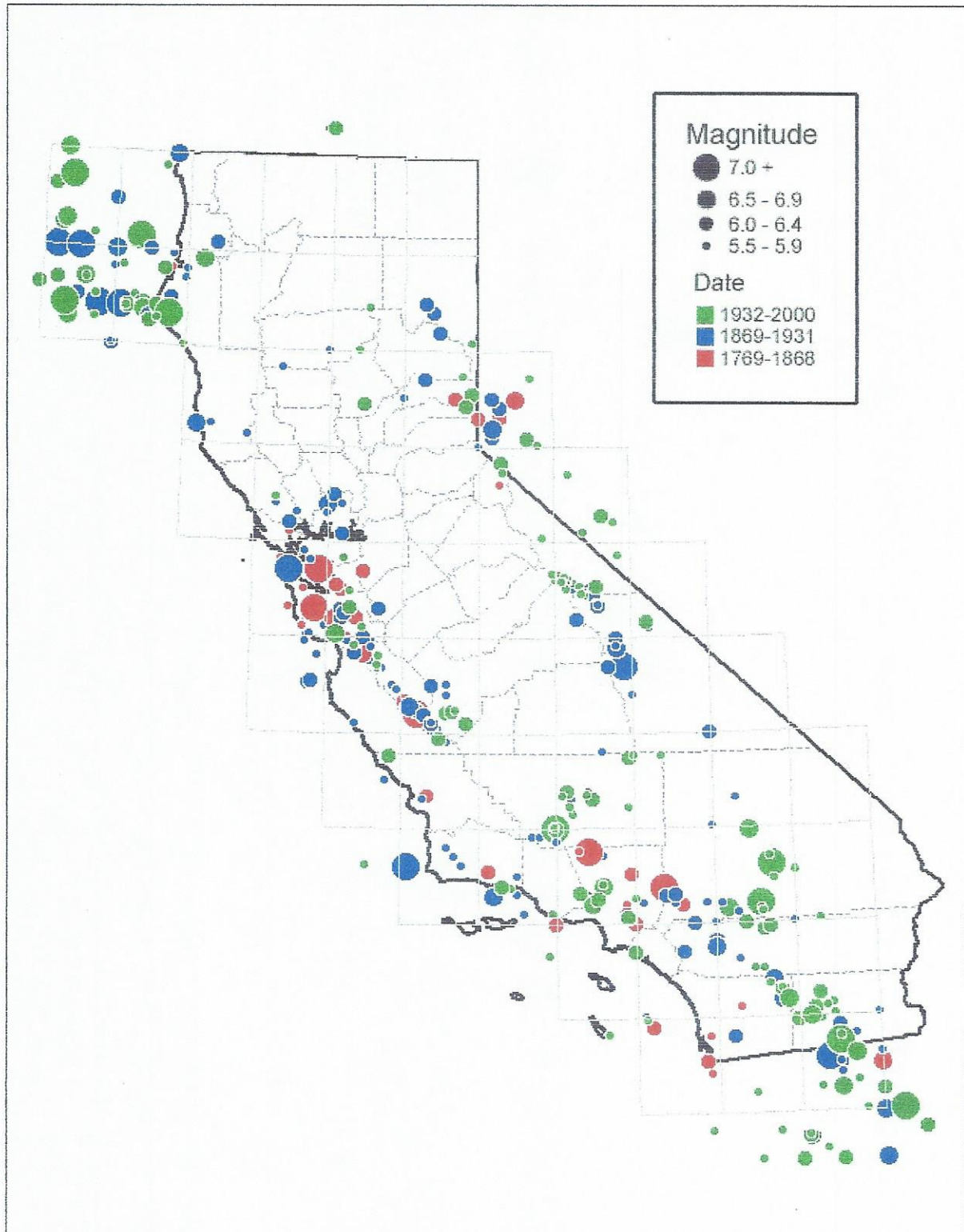
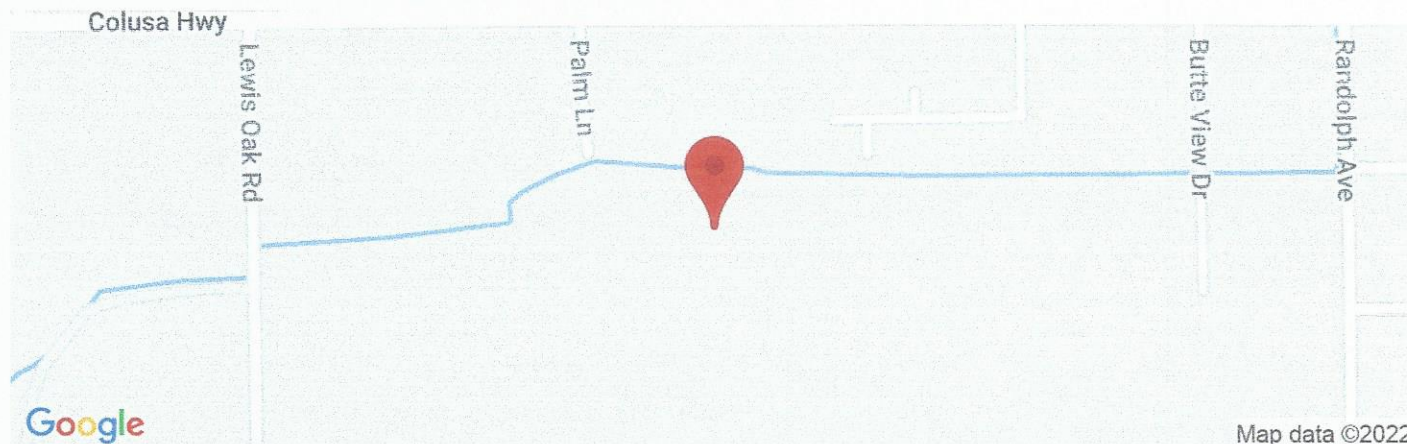


Figure 3



#4775 Gridley Unit 1

Latitude, Longitude: 39.361418, -121.716364



Date	7/6/2022, 4:19:59 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	D - Default (See Section 11.4.3)

Type	Value	Description
S_S	0.611	MCE_R ground motion. (for 0.2 second period)
S_1	0.273	MCE_R ground motion. (for 1.0s period)
S_{MS}	0.802	Site-modified spectral acceleration value
S_{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S_{DS}	0.534	Numeric seismic design value at 0.2 second SA
S_{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F_a	1.311	Site amplification factor at 0.2 second
F_v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.267	MCE_G peak ground acceleration
F_{PGA}	1.333	Site amplification factor at PGA
PGA_M	0.356	Site modified peak ground acceleration
T_L	16	Long-period transition period in seconds
S_{sRT}	0.611	Probabilistic risk-targeted ground motion. (0.2 second)
S_{sUH}	0.665	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
S_{sD}	1.5	Factored deterministic acceleration value. (0.2 second)
S_{1RT}	0.273	Probabilistic risk-targeted ground motion. (1.0 second)
S_{1UH}	0.299	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S_{1D}	0.6	Factored deterministic acceleration value. (1.0 second)
$PGAd$	0.5	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.919	Mapped value of the risk coefficient at short periods

FIG. 4



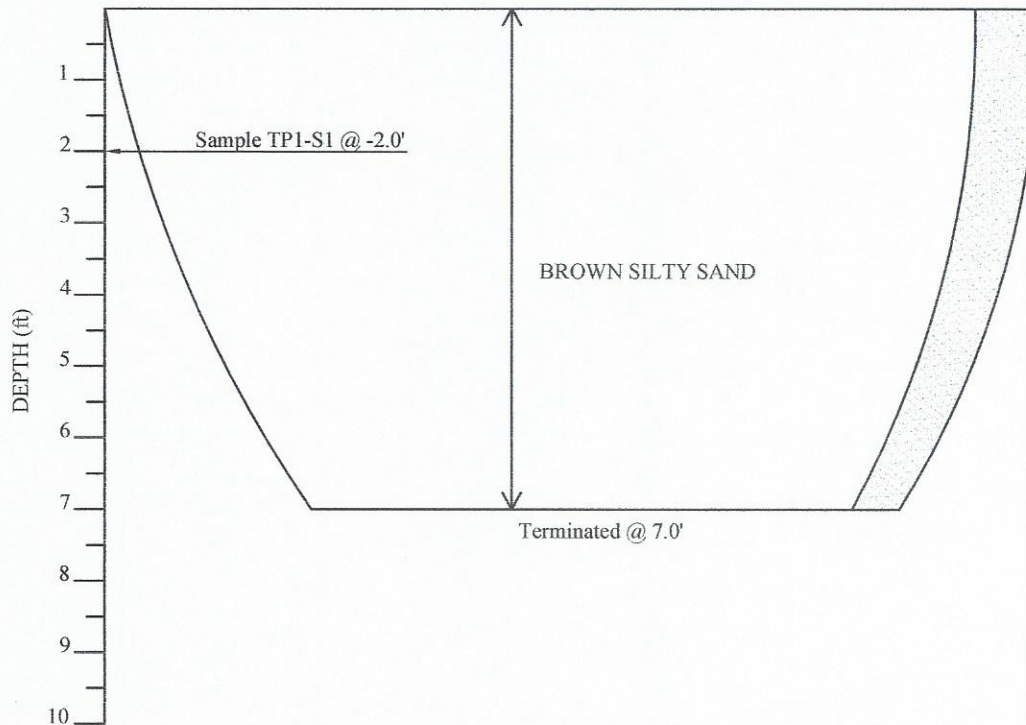
APPENDIX A



Test Pit Log

PROJECT: GRIDLEY UNIT 1
 CLIENT: C.H.I.P.
 LOCATION: SEE MAP
 EQUIPMENT: BOBCAT E35 MINI

TEST PIT NUMBER: TP-1
 DATE EXCAVATED: 6/01/2022
 TOTAL DEPTH: 7.0'
 LOGGED BY: B. FORSYTHE



Attachment (1)

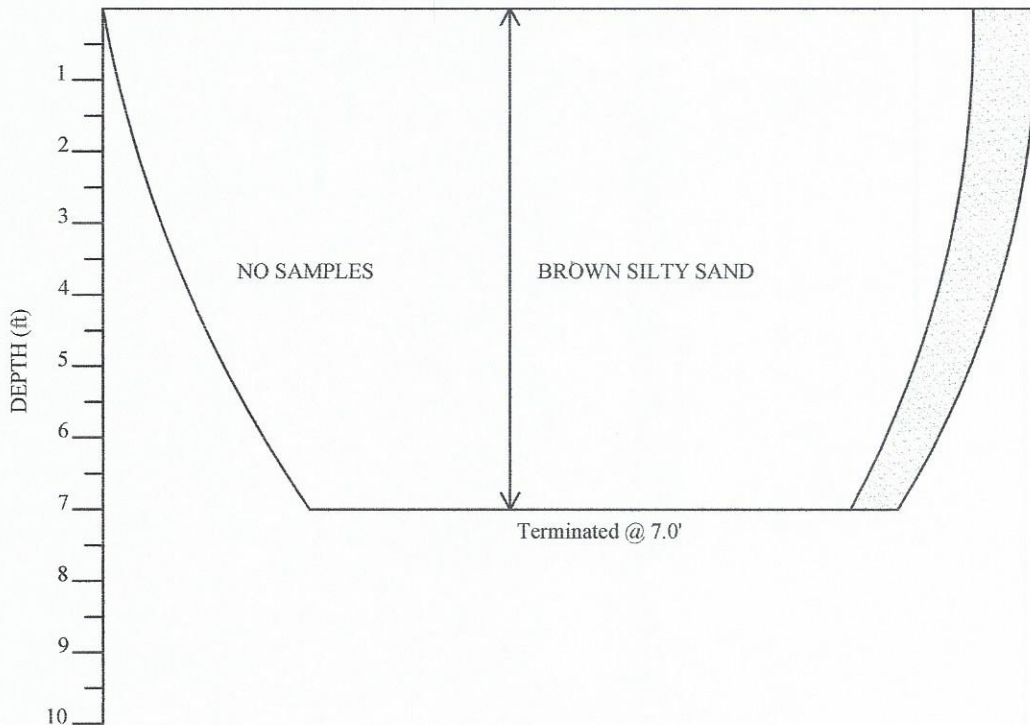
GRIDLEY UNIT 1 SUBDIVISION	JOB NO.: 4775
COLUSA HIGHWAY & LEWIS OAK ROAD	DATE: 07/02/2022
GRIDLEY, CA	CHECKED BY: JMR
	PAGE: OF



Test Pit Log

PROJECT: GRIDLEY UNIT 1
 CLIENT: C.H.I.P.
 LOCATION: SEE MAP
 EQUIPMENT: BOBCAT E35 MINI

TEST PIT NUMBER: TP-2
 DATE EXCAVATED: 6/01/2022
 TOTAL DEPTH: 7.0'
 LOGGED BY: B. FORSYTHE



Attachment (2)

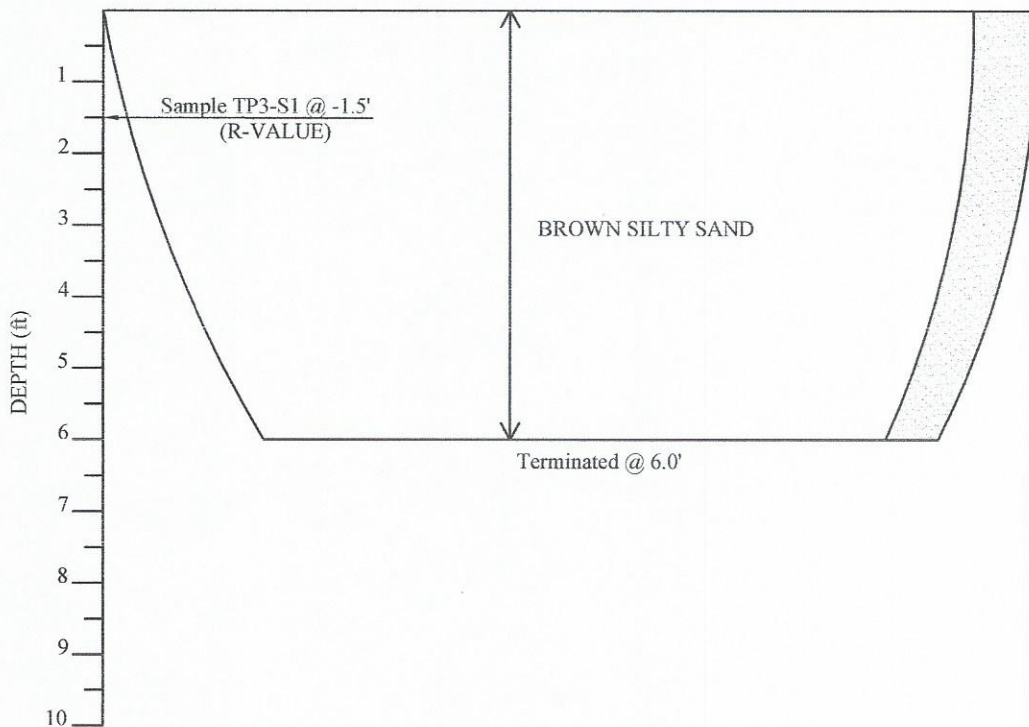
GRIDLEY UNIT 1 SUBDIVISION	JOB NO.: 4775
COLUSA HIGHWAY & LEWIS OAK ROAD	DATE: 07/02/2022
GRIDLEY, CA	CHECKED BY: JMR
	PAGE: OF



Test Pit Log

PROJECT: GRIDLEY UNIT 1
 CLIENT: C.H.I.P.
 LOCATION: SEE MAP
 EQUIPMENT: BOBCAT E35 MINI

TEST PIT NUMBER: TP-3
 DATE EXCAVATED: 6/01/2022
 TOTAL DEPTH: 6.0'
 LOGGED BY: B. FORSYTHE



Attachment (3)

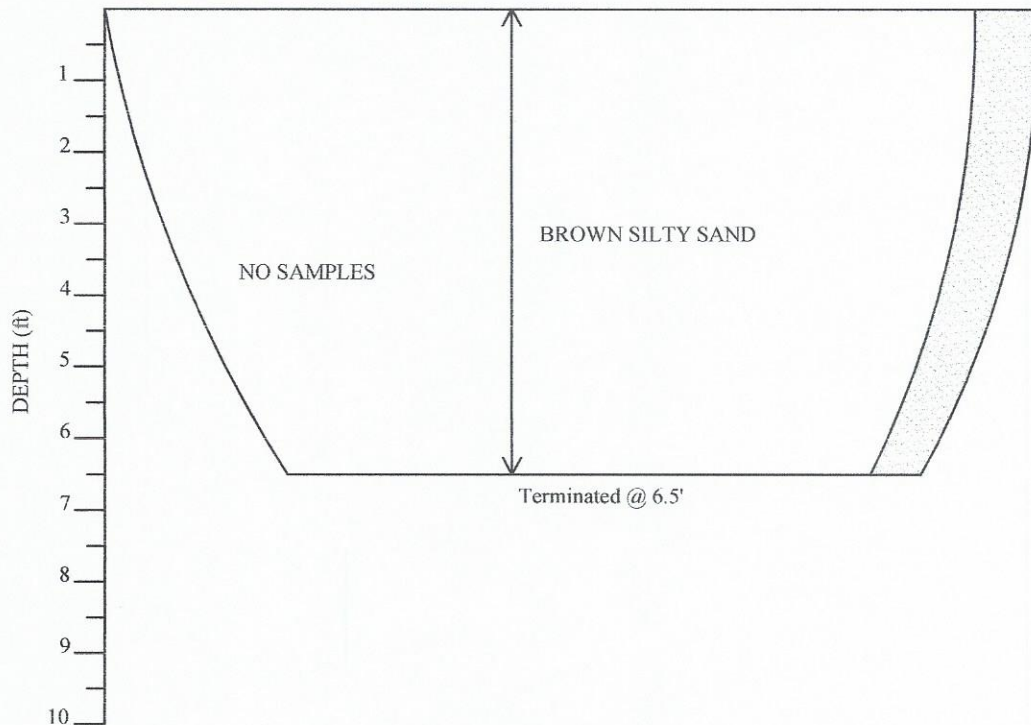
GRIDLEY UNIT 1 SUBDIVISION	JOB NO.: 4775
COLUSA HIGHWAY & LEWIS OAK ROAD	DATE: 07/02/2022
GRIDLEY, CA	CHECKED BY: JMR
	PAGE: OF



Test Pit Log

PROJECT: GRIDLEY UNIT 1
 CLIENT: C.H.I.P.
 LOCATION: SEE MAP
 EQUIPMENT: BOBCAT E35 MINI

TEST PIT NUMBER: TP-4
 DATE EXCAVATED: 6/01/2022
 TOTAL DEPTH: 6.5'
 LOGGED BY: B. FORSYTHE



Attachment (4)

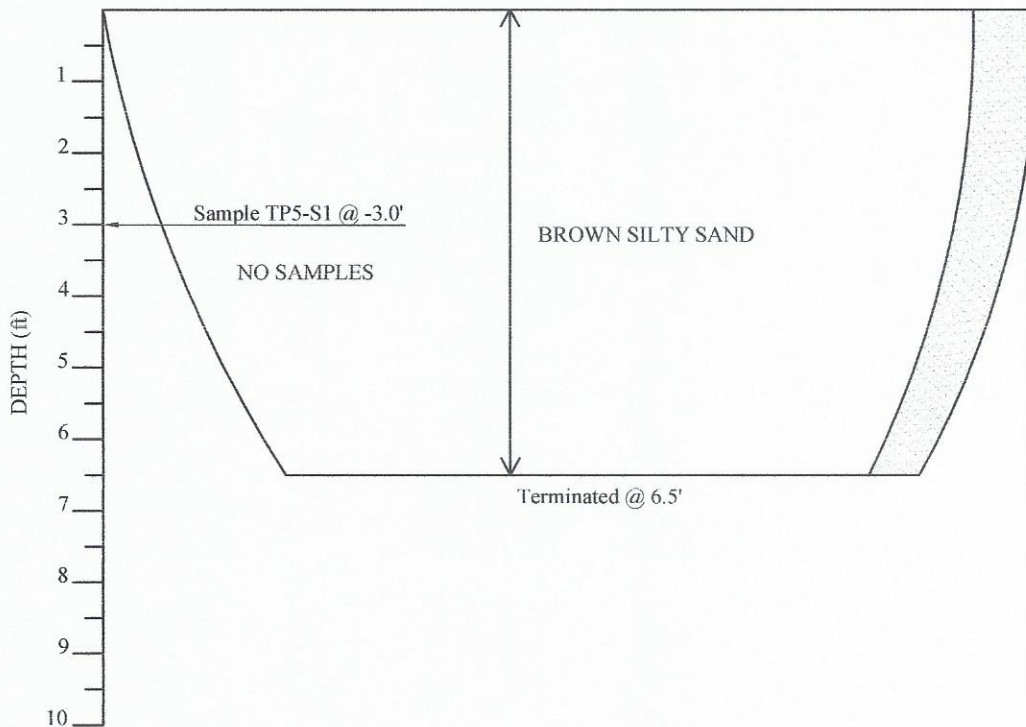
GRIDLEY UNIT 1 SUBDIVISION	JOB NO.: 4775
COLUSA HIGHWAY & LEWIS OAK ROAD	DATE: 07/02/2022
GRIDLEY, CA	CHECKED BY: JMR
	PAGE: OF



Test Pit Log

PROJECT: GRIDLEY UNIT 1
 CLIENT: C.H.I.P.
 LOCATION: SEE MAP
 EQUIPMENT: BOBCAT E35 MINI

TEST PIT NUMBER: TP-5
 DATE EXCAVATED: 6/01/2022
 TOTAL DEPTH: 6.5'
 LOGGED BY: B. FORSYTHE



Attachment (5)

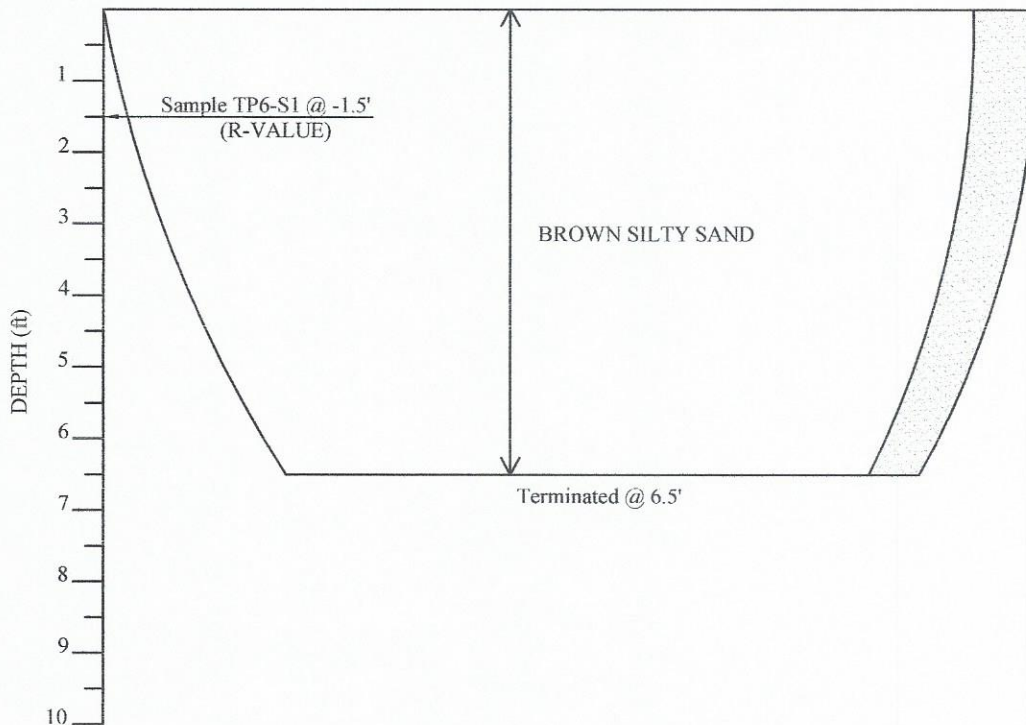
GRIDLEY UNIT 1 SUBDIVISION	JOB NO.: 4775
COLUSA HIGHWAY & LEWIS OAK ROAD	DATE: 07/02/2022
GRIDLEY, CA	CHECKED BY: JMR
	PAGE: OF



Test Pit Log

PROJECT: GRIDLEY UNIT 1
 CLIENT: C.H.I.P.
 LOCATION: SEE MAP
 EQUIPMENT: BOBCAT E35 MINI

TEST PIT NUMBER: TP-6
 DATE EXCAVATED: 6/01/2022
 TOTAL DEPTH: 6.5'
 LOGGED BY: B. FORSYTHE



Attachment (6)

GRIDLEY UNIT 1 SUBDIVISION

COLUSA HIGHWAY & LEWIS OAK ROAD

GRIDLEY, CA

JOB NO.: 4775

DATE: 07/02/2022

CHECKED BY: JMR

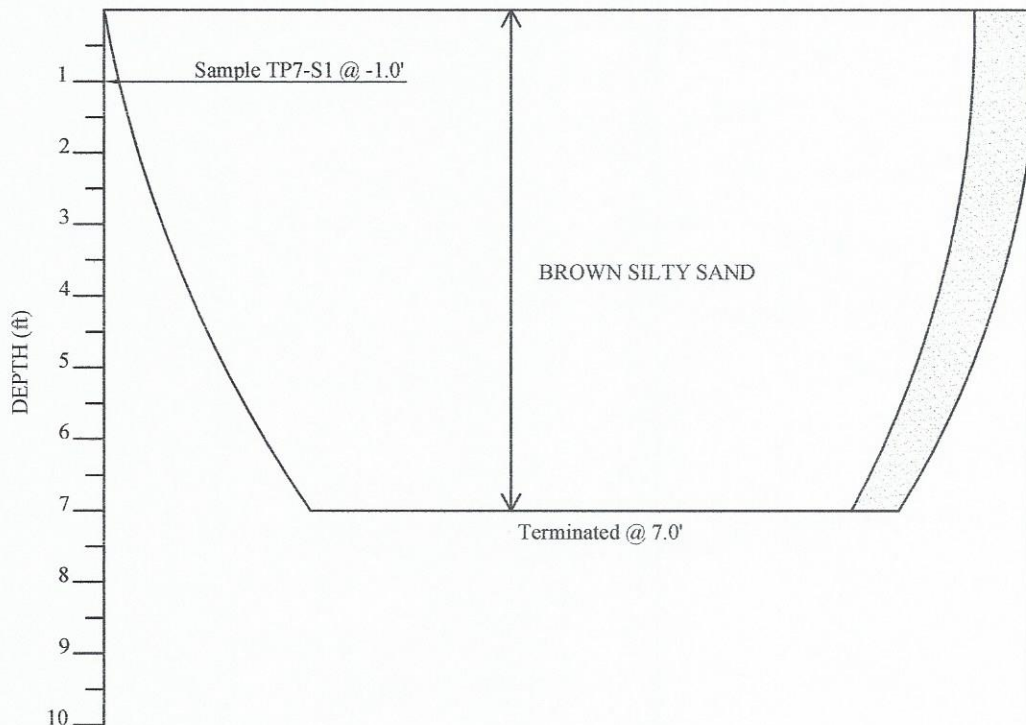
PAGE: OF



Test Pit Log

PROJECT: GRIDLEY UNIT 1
CLIENT: C.H.I.P.
LOCATION: SEE MAP
EQUIPMENT: BOBCAT E35 MINI

TEST PIT NUMBER: TP-7
DATE EXCAVATED: 6/01/2022
TOTAL DEPTH: 7.0'
LOGGED BY: B. FORSYTHE



Attachment (7)

GRIDLEY UNIT 1 SUBDIVISION	JOB NO.: 4775
COLUSA HIGHWAY & LEWIS OAK ROAD	DATE: 07/02/2022
GRIDLEY, CA	CHECKED BY: JMR
	PAGE: OF



APPENDIX B



APPLIED TESTING CONSULTANTS

MATERIALS TESTING, ENGINEERING AND INSPECTION

Plasticity Index

Project: Gridley CHIP Sub
Client: Streamline Engineering
Address: 2571 California Park Dr, Ste 210
City, State, Zip: Chico, CA 95928
Attention: Jeff Richelieu
Source: sample taken by ATC
Material Description: (SC-SM) Silty, Clayey Sand

Test Pit#: 1
Sample No: 1
Date: 6/20/2022
Depth: -2'
Technician: I. Sahagun

	Liquid Limit:					
Trial Number:	1	2	3	4	5	6
Tin Label:	11	12	13			
Wet Weight + Tare:	36.8	36.37	36.61			
Dry Weight + Tare:	35.71	35.32	35.56			
Weight of Water:	1.09	1.05	1.05			
Weight of Tare:	30.15	30.18	30.55			
Weight of Dry Soil:	5.56	5.14	5.01			
Moisture Content:	19.60%	20.43%	20.96%			
Number of Blows:	38	25	17			

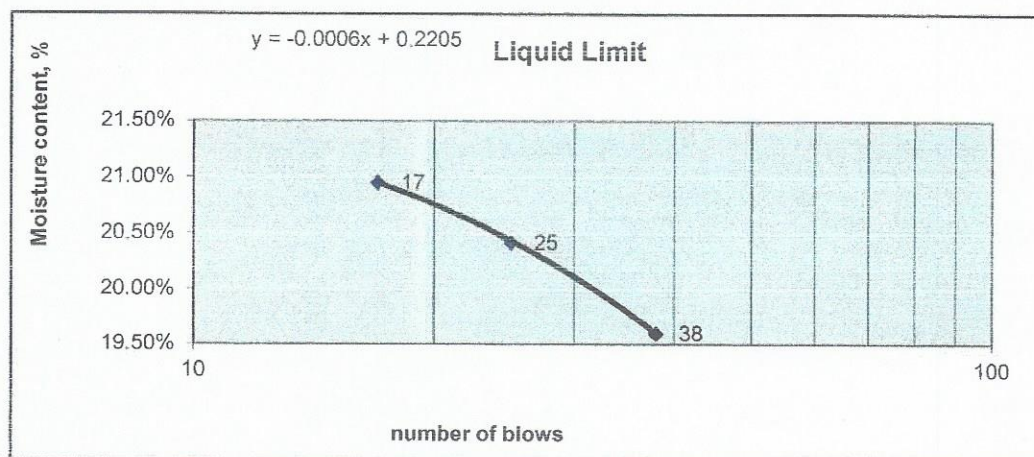
Liquid Limit, LL
20

Plastic Limit, PL
15

Plasticity Index, PI
6

Above A Line

	Plastic Limit:					
Trial Number:	1	2	3	4	5	6
Tin Label:	14	15				
Wet Weight + Tare:	58.35	58.09				
Dry Weight + Tare:	54.79	54.5				
Weight of Water:	3.56	3.59				
Weight of Tare:	30.49	30.1				
Weight of dry soil:	24.3	24.4				
Moisture Content:	14.65%	14.71%				





APPLIED TESTING CONSULTANTS

MATERIALS TESTING, ENGINEERING AND INSPECTION

Sieve Analysis - Combined

Client: Streamline Engineering
Address: 2571 California Park Dr, Ste 210
City, State, Zip: Chico, CA 95928

Sample No: TP-1 S-1
Date: 6/15/2022
Tech: K. Sahagun

Project: Gridley CHIP Unit 1

Sample Description: (SC-SM) Silty, Clayey Sand

Sample depth: -2'

Start Wt, Course:	22,112.6 g
Start Wt. fine:	513.7 g

Sieve Size	Weight Retained	Percent retained	Cumulative Percent		Specified
			Retained	Passing	
4				100.0%	
3 1/2				100.0%	
3				100.0%	
2 1/2				100.0%	
2				100.0%	
1 1/2				100.0%	
1				100.0%	
3/4	17.8 g	0.1%	0.1%	99.9%	
1/2	8.2 g	0.0%	0.1%	99.9%	
3/8	27.4 g	0.1%	0.2%	99.8%	
#4	247.1 g	1.1%	1.4%	98.6%	
#8	10.0 g	1.9%	3.3%	96.7%	
#16	22.3 g	4.3%	7.6%	92.4%	
#30	90.4 g	17.4%	24.9%	75.1%	
#50	143.9 g	27.6%	52.6%	47.4%	
#100	64.8 g	12.4%	65.0%	35.0%	
#200	35.6 g	6.8%	71.8%	28.2%	

This test was performed according to ASTM D2487

Sieve Analysis - Combined

Client: Streamline Engineering
Address: 2571 California Park Dr, Ste 210
City, State, Zip: Chico, CA 95928

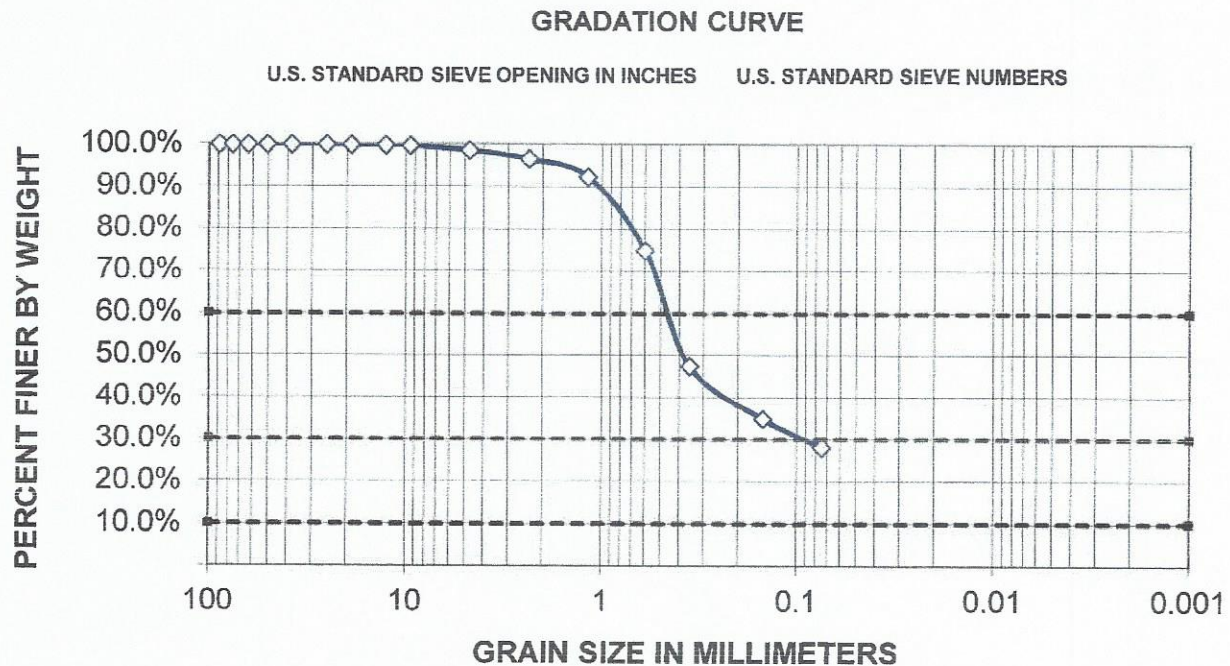
Sample No: TP-1 S-1
Date:
Tech: K. Sahagun

Project: Gridley CHIP Unit 1

Sample Description:

Sample location:

Sample depth: -2'





APPLIED TESTING CONSULTANTS

MATERIALS TESTING, ENGINEERING AND INSPECTION

Plasticity Index

Project: Gridley CHIP Sub
Client: Streamline Engineering
Address: 2571 California Park Dr, Ste 210
City, State, Zip: Chico, CA 95928
Attention: Jeff Richelieu
Source: sample taken by ATC
Material Description: (SC) Clayey Sand

Test Pit#: 5
Sample No: 1
Date: 6/16/2022
Depth: -3'
Technician: I. Sahagun

	Liquid Limit:					
Trial Number:	1	2	3	4	5	6
Tin Label:	1	2	3			
Wet Weight + Tare:	35.77	35.8	35.91			
Dry Weight + Tare:	34.8	34.82	34.8			
Weight of Water:	0.97	0.98	1.11			
Weight of Tare:	30.28	30.49	30.12			
Weight of Dry Soil:	4.52	4.33	4.68			
Moisture Content:	21.46%	22.63%	23.72%			
Number of Blows:	37	28	20			

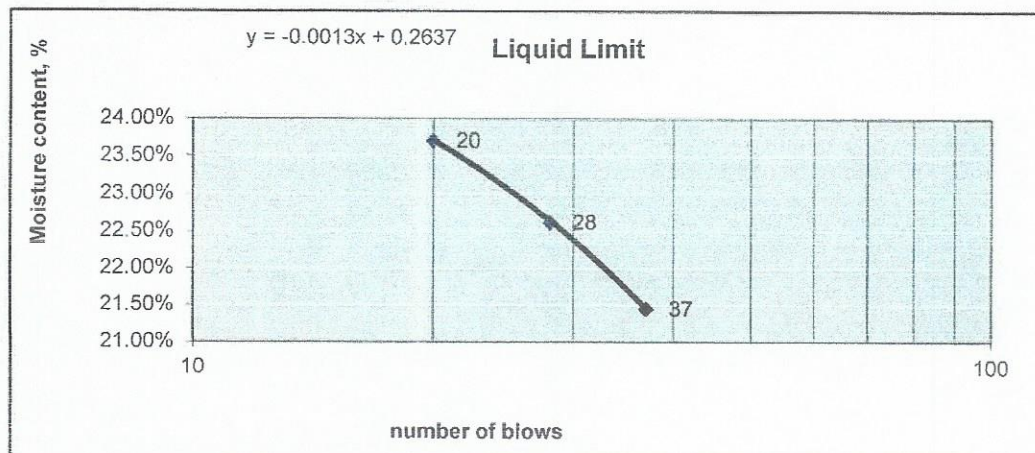
Liquid Limit, LL
23

Plastic Limit, PL
14

Plasticity Index, PI
9

Above A Line

	Plastic Limit:					
Trial Number:	1	2	3	4	5	6
Tin Label:	4	5				
Wet Weight + Tare:	62.61	62.78				
Dry Weight + Tare:	58.48	58.67				
Weight of Water:	4.13	4.11				
Weight of Tare:	30.1	30.19				
Weight of dry soil:	28.38	28.48				
Moisture Content:	14.55%	14.43%				





APPLIED TESTING CONSULTANTS

MATERIALS TESTING, ENGINEERING AND INSPECTION

Sieve Analysis - Combined

Client: Streamline Engineering
Address: 2571 California Park Dr, Ste 210
City, State, Zip: Chico, CA 95928

Sample No: TP-5 S-1
Date: 6/15/2022
Tech: K. Sahagun

Project: Gridley CHIP Unit 1

Sample Description: (SC) Clayey Sand

Sample depth: -3'

Start Wt, Course:	20,890.0 g
Start Wt. fine:	517.8 g

Sieve Size	Weight Retained	Percent retained	Cumulative Percent		Specified
			Retained	Passing	
4				100.0%	
3 1/2				100.0%	
3				100.0%	
2 1/2				100.0%	
2				100.0%	
1 1/2				100.0%	
1				100.0%	
3/4				100.0%	
1/2				100.0%	
3/8	51.1 g	0.2%	0.2%	99.8%	
#4	220.5 g	1.1%	1.3%	98.7%	
#8	7.8 g	1.5%	2.8%	97.2%	
#16	23.0 g	4.4%	7.2%	92.8%	
#30	82.0 g	15.6%	22.8%	77.2%	
#50	122.3 g	23.3%	46.1%	53.9%	
#100	80.7 g	15.4%	61.5%	38.5%	
#200	50.6 g	9.6%	71.1%	28.9%	

This test was performed according to ASTM D2487

Sieve Analysis - Combined

Client: Streamline Engineering
Address: 2571 California Park Dr, Ste 210
City, State, Zip: Chico, CA 95928

Sample No: TP-5 S-1

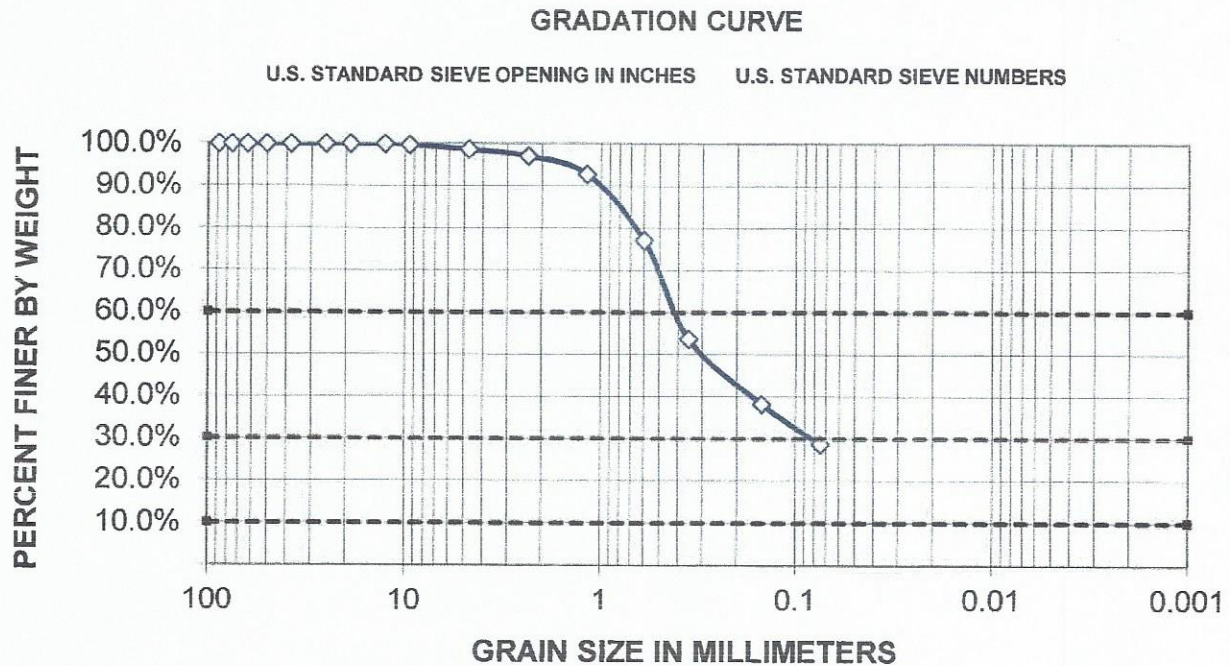
Date:
Tech: K. Sahagun

Project: Gridley CHIP Unit 1

Sample Description:

Sample location:

Sample depth: -3'





APPLIED TESTING CONSULTANTS

MATERIALS TESTING, ENGINEERING AND INSPECTION

Plasticity Index

Project: Gridley CHIP Sub
Client: Streamline Engineering
Address: 2571 California Park Dr, Ste 210
City, State, Zip: Chico, CA 95928
Attention: Jeff Richelieu
Source: sample taken by ATC
Material Description: (SC) Clayey Sand

Test Pit#: 7
Sample No: 1
Date: 6/16/2022
Depth: -1'
Technician: I. Sahagun

	Liquid Limit:					
Trial Number:	1	2	3	4	5	6
Tin Label:	6	7	8			
Wet Weight + Tare:	35.83	35.65	35.72			
Dry Weight + Tare:	34.86	34.68	34.71			
Weight of Water:	0.97	0.97	1.01			
Weight of Tare:	30.28	30.17	30.1			
Weight of Dry Soil:	4.58	4.51	4.61			
Moisture Content:	21.18%	21.51%	21.91%			
Number of Blows:	37	28	18			

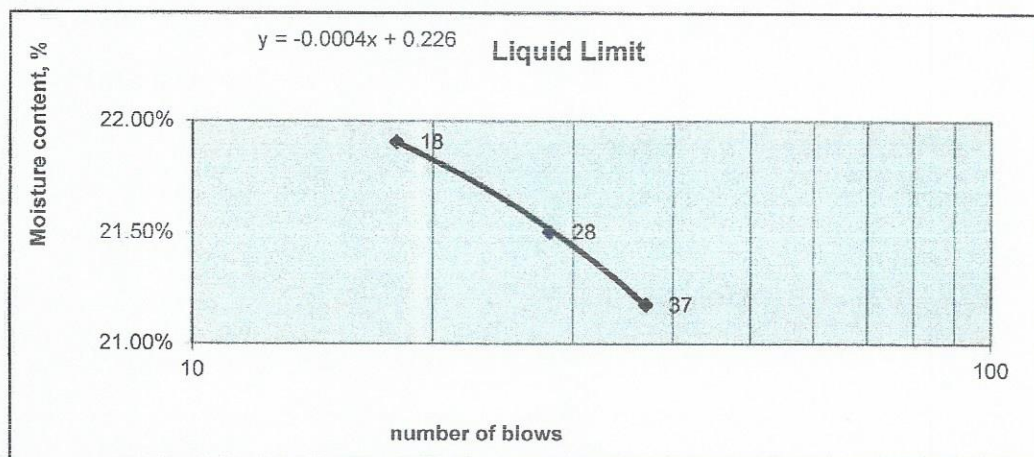
Liquid Limit, LL
22

Plastic Limit, PL
13

Plasticity Index, PI
8

Above A Line

	Plastic Limit:					
Trial Number:	1	2	3	4	5	6
Tin Label:	9	10				
Wet Weight + Tare:	58.59	58.15				
Dry Weight + Tare:	55.28	54.92				
Weight of Water:	3.31	3.23				
Weight of Tare:	30.24	30.24				
Weight of dry soil:	25.04	24.68				
Moisture Content:	13.22%	13.09%				





APPLIED TESTING CONSULTANTS

MATERIALS TESTING, ENGINEERING AND INSPECTION

Sieve Analysis - Combined

Client: Streamline Engineering
Address: 2571 California Park Dr, Ste 210
City, State, Zip: Chico, CA 95928

Sample No: TP-7 S-1
Date: 6/15/2022
Tech: K. Sahagun

Project: Gridley CHIP Unit 1

Sample Description: (SC) Clayey Sand
Sample depth: -1'

Start Wt, Course:	22,634.2 g
Start Wt. fine:	515.6 g

Sieve Size	Weight Retained	Percent retained	Cumulative Percent		Specified
			Retained	Passing	
4				100.0%	
3 1/2				100.0%	
3				100.0%	
2 1/2				100.0%	
2				100.0%	
1 1/2				100.0%	
1				100.0%	
3/4				100.0%	
1/2	3.3 g	0.0%	0.0%	100.0%	
3/8	13.3 g	0.1%	0.1%	99.9%	
#4	81.3 g	0.4%	0.4%	99.6%	
#8	3.5 g	0.7%	1.1%	98.9%	
#16	10.0 g	1.9%	3.0%	97.0%	
#30	43.0 g	8.3%	11.3%	88.7%	
#50	97.9 g	18.9%	30.2%	69.8%	
#100	101.2 g	19.5%	49.8%	50.2%	
#200	68.5 g	13.2%	63.0%	37.0%	

This test was performed according to ASTM D2487

Sieve Analysis - Combined

Client: Streamline Engineering
Address: 2571 California Park Dr, Ste 210
City, State, Zip: Chico, CA 95928

Sample No: TP-7 S-1

Date:

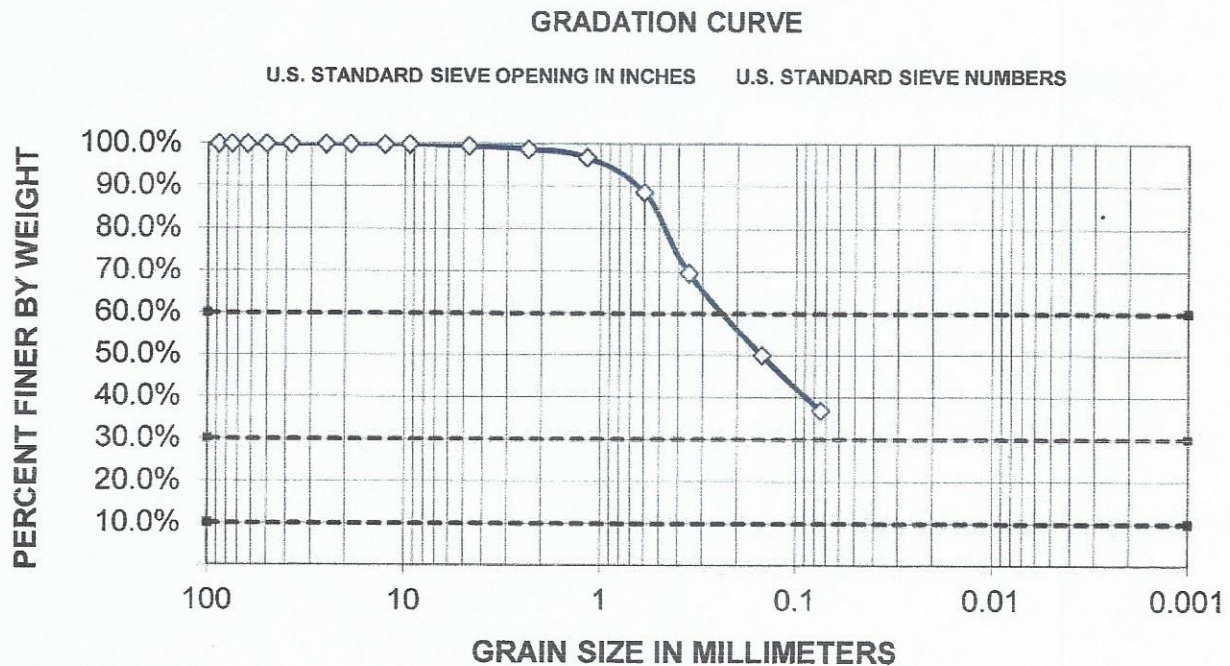
Tech: K. Sahagun

Project: Gridley CHIP Unit 1

Sample Description:

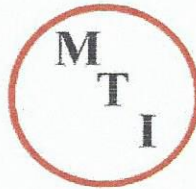
Sample location:

Sample depth: -1'





APPENDIX C



Materials Testing, Inc.

8798 Airport Road
Redding, California 96002
(530) 222-1116, fax 222-1611

865 Cotting Lane, Suite A
Vacaville, California 95688
(707) 447-4025, fax 447-4143

Client: Applied Testing Consultants
3060 Thorntree Drive, Suite 10
Chico, CA 95973

Project: Gridley Chip Unit
Source: ---

Pages: 1 of 2
Client No: 0800-102
Report No: 0300-001
Date: 06/22/2022
Submitted by: Client
Date Submitted: 06/08/2022

"R" VALUE TEST REPORT (CTM 301)

Sample: 1
Description: Reddish Brown Clayey Sand
Location: TP-3

SIEVE ANALYSIS

Sieve Size	2"	1-1/2"	1"	3/4"	1/2"	3/8"	#4
As Received (% Pass)	---	---	---	---	---	---	100
As Used (% Pass)	---	---	---	---	---	---	100

RESISTANCE VALUE

Specimen Number	Dry Unit Weight, PCF	Moisture (%)	Exudation Pressure (PSI)	Expansion Pressure Dial Reading & PSF		R-Value
1	128.2	9.9	457	9	39	58
2	125.2	11.2	302	6	26	43
3	123.6	12.2	134	1	4	30

R-Value @ 300 PSI Exudation Pressure = 42

Notes:

Tested by John Hubbard.

The samples were tested according to the referenced standard test procedures and relate only to the items inspected or tested. Results are not transferable and shall not be reproduced, except in full, without written permission from MTI.

Construction Materials Testing and Quality Control Services
Soil - Concrete - Asphalt - Steel - Masonry



Materials Testing, Inc.

8798 Airport Road
Redding, California 96002
(530) 222-1116, fax 222-1611

865 Cotting Lane, Suite A
Vacaville, California 95688
(707) 447-4025, fax 447-4143

Client: Applied Testing Consultants
3060 Thorntree Drive, Suite 10
Chico, CA 95973

Pages: 2 of 2
Client No: 0800-102
Report No: 0300-002
Date: 06/22/2022
Submitted by: Client
Date Submitted: 06/08/2022

Project: Gridley Chip Unit
Source: ---

"R" VALUE TEST REPORT (CTM 301)

Sample: 1
Description: Reddish Brown Clayey Sand
Location: TP-6

SIEVE ANALYSIS

Sieve Size	2"	1-1/2"	1"	3/4"	1/2"	3/8"	#4
As Received (% Pass)	---	---	---	---	---	---	100
As Used (% Pass)	---	---	---	---	---	---	100

RESISTANCE VALUE

Specimen Number	Dry Unit Weight, PCF	Moisture (%)	Exudation Pressure (PSI)	Expansion Pressure Dial Reading & PSF		R-Value
1	131.5	8.4	796	11	48	81
2	130.5	9.6	430	6	26	52
3	128.0	10.5	154	1	4	37

R-Value @ 300 PSI Exudation Pressure = 45

Notes:

Tested by John Hubbard.

The samples were tested according to the referenced standard test procedures and relate only to the items inspected or tested. Results are not transferable and shall not be reproduced, except in full, without written permission from MTL.

Construction Materials Testing and Quality Control Services
Soil - Concrete - Asphalt - Steel - Masonry

Appendix C
Phase I Environmental Site Assessment



**PHASE I
ENVIRONMENTAL SITE ASSESSMENT**

CHIP Gridley Parcel
Butte County APN: 010-270-121
Gridley, Butte County, California

Prepared for:

Community Housing Improvement Program
1001 Willow Street
Chico, California 95928

Prepared by:

Broadbent & Associates, Inc.
1370 Ridgewood Drive, Suite 5
Chico, California 95973
530-566-1400

July 6, 2022

Project No.: 22-08-120

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July 6, 2022

Project No.: 22-08-120

Community Housing Improvement Program
1001 Willow Street
Chico, California 95928

Attn: Ms. Loretta Weber

RE: Phase I Environmental Site Assessment, CHIP Gridley Parcel, Butte County APN: 010-270-121,
Gridley, Butte County, California

Dear Ms. Weber:

Provided herein is the report entitled *Phase I Environmental Site Assessment, CHIP Gridley Parcel, Butte County APN: 010-270-121, Gridley, Butte County, California*. This report includes a description of activities conducted and results obtained from the assessment.

Should you have questions or require additional information, please do not hesitate to contact us.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Chelsea L. Meddings, QISP
Project Scientist

Reviewed and Approved By:

Stephanie Holst
Senior Scientist

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List of Commonly Used Acronyms

AAI – All Appropriate Inquiries
APN – Assessor’s Parcel Number
AST – Aboveground Storage Tank
ASTM – ASTM International
Broadbent – Broadbent & Associates, Inc.
CDL – Clandestine Drug Laboratory
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
CFR – Code of Federal Regulations
CREC – Controlled Recognized Environmental Condition
EDR – Environmental Data Resources
EMI – Emissions Inventory Data
EPA – United States Environmental Protection Agency
ESA – Environmental Site Assessment
FID – Facility Inventory Database
FINDS – Facility Index System
FIFRA – Federal Insecticide, Fungicide and Rodenticide Act
HAZNET – Hazardous Waste Facility & Manifest Database
HREC – Historical Recognized Environmental Condition
LF – Landfill
LUST – Leaking Underground Storage Tank
NPL – National Priorities List
PCB – Polychlorinated-biphenyls
ppb – Parts per billion
ppm – Parts per million
PVC – polyvinyl chloride
RCRA – Resource Conservation & Recovery Act
RCRIS – Resource Conservation & Recovery Act Information System
RDA – Redevelopment Agency
REC – Recognized Environmental Condition
SARA – Superfund Amendments and Reauthorization Act
SLIC – Spills, Leaks, and Investigation Cleanups
SCS – Soil Conservation Service
SWEEPS – Statewide Environmental Evaluation and Planning System
SWF – Solid Waste Facility
SWRCY – Solid Waste Recycler Database
TSCA – Toxic Substances Control Act
USDA – United States Department of Agriculture
USGS – United States Geological Survey
UST – Underground Storage Tank

Executive Summary

To assist the Community Housing Improvement Program with its due diligence efforts, Broadbent & Associates, Inc. has conducted this Phase I Environmental Site Assessment (ESA) on the real property located at Butte County APN: 010-270-121, Gridley, Butte County, California. This ESA was conducted in conformance with the scope and limitations of ASTM Practice E1527-13: *Standard Practice for Environmental Site Assessments – Phase I Environmental Site Assessment Process*, and the United States Environmental Protection Agency (EPA) final rule contained within Code of Federal Regulations Volume 40 Part 312 – *Standards and Practices for All Appropriate Inquiries*. Exceptions to, or deletions from, this practice are described in Section 1 of this report. Use of the referenced ASTM Process is intended to satisfy requirements for conducting “all appropriate inquiries” (AAI) under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

This assessment has revealed no recognized environmental conditions in connection with the Subject Property.

Section 1: Introduction

This section describes the purpose of and authorization for conducting this assessment. Also discussed are significant assumptions, deviations, special terms and conditions, and user reliance on this report.

1.1 Purpose

To assist the Community Housing Improvement Program with its due diligence efforts relative to the site located at Butte County APN: 010-270-121 in the City of Gridley, Butte County, California (Subject Property), Broadbent & Associates, Inc. (Broadbent) conducted an All Appropriate Inquiry Phase I Environmental Site Assessment (ESA) consistent with the ASTM International Standard E1527-13: *Standard Practice for Environmental Site Assessments – Phase I Environmental Site Assessment Process*, and the United States Environmental Protection Agency (EPA) final rule contained within Code of Federal Regulations (CFR) Volume 40 Part 312 – *Standards and Practices for All Appropriate Inquiries* (AAI). The purpose of this due diligence investigation is to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), historical recognized environmental conditions (HRECs), and/or *de minimis* conditions as defined below.

A REC is defined by ASTM International as:

“The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.”

A HREC is defined by ASTM International as:

“A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

A CREC is defined by ASTM International as:

“A recognized environmental condition 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 no further action 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 (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

A *De Minimis* Condition is defined by ASTM International as:

“A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not recognized environmental conditions nor controlled recognized environmental conditions.”

1.2 Scope of Work

Various investigative methods were utilized to complete this ESA. Specific items accomplished include the following:

- Prepared a general site description
- Reviewed User-provided information
- Reviewed readily ascertainable environmental records
- Conducted a site reconnaissance
- Conducted interviews
- Identified data gaps (if present)
- Prepared this ESA report summarizing assessment results

1.3 Significant Assumptions

Conclusions stated in this report are based upon observations made by employees of Broadbent and also upon information provided by others. It is assumed that these observations and information are accurate. However, Broadbent cannot be held responsible for the accuracy of the information provided by others. The scope of this ESA does not purport to encompass every report, record, or other form of documentation relevant to the Subject Property being evaluated.

1.4 Deviations

There were no deviations from the ASTM International standards.

1.5 Special Terms and Conditions

Observations contained within this assessment are based upon Property conditions readily visible and present at the time of the site reconnaissance. These Subject Property observations are unable to specifically identify conditions of potential mold, asbestos containing building materials, subsurface soil, groundwater, vapor, or underground storage tanks, unless specifically mentioned. This ESA does not attempt to address the unidentified past or forecast future Subject Property conditions.

1.6 Reliance

The enclosed ESA has been conducted for the exclusive use of the Community Housing Improvement Program and may not be reproduced, distributed, or relied upon by others without the prior written authorization of the Community Housing Improvement Program and Broadbent. A Reliance Letter can be prepared for additional use upon request by the Community Housing Improvement Program.

Section 2: Site Description

This section describes the Subject Property with its location and legal description, general vicinity characteristics, current uses, description of on-site improvements, and current uses of adjoining properties.

2.1 Location and Legal Description

The Subject Property is located within the incorporated limits of Gridley, Butte County, California. The Subject Property consists of one (1) parcel assigned Butte County Assessor's Parcel Number (APN): 010-270-121 located in Gridley, Butte County, California. A Site Location Map is provided as Figure 1. A copy of the Butte County Assessor's Parcel Map for the Subject Property is provided in Appendix A.

Approximate latitude and longitude coordinates for the center of the Property are 39.360953 39° 21' 39" North, -121.71623 -121° 42' 58" West. The Subject Property is located in both the northeast quarter of the northwest quarter and the northwest quarter of the northeast quarter of Section 2 of Township 17 North, Range 2 East, relative to the Mount Diablo Meridian. The Subject Property is covered by the United States Geological Survey (USGS) Gridley 7.5-minute quadrangle topographic map. A Property Location Map is provided as Figure 2.

2.2 Current Uses of the Site

The Subject Property is currently vacant.

No RECs, CRECs, and/or HRECs were identified relative to the Subject Property based on review of current uses of the Subject Property.

2.3 Description of Structures, Roads, and Other Improvements

The Subject Property is a vacant lot with limited access on Butte View Drive through an adjacent orchard to the east of the Subject Property.

Size of Property (approximate)	14.82 acres
General Topography of Property	Flat
Adjoining and/or Access/Egress Roads	Butte View Drive accessed from Sycamore Street
Paved or Concrete Areas (including parking)	None
Unimproved Areas	The Subject Property is unimproved
Landscaped Areas	There are no landscaped areas on the Subject Property
Surface Water	None
Potable Water Source	Biggs/West Gridley Irrigation District
Sanitary Sewer Utility	None
Storm Sewer Utility	None
Electrical Utility	Pacific Gas and Electric
Natural Gas Utility	Pacific Gas and Electric

No RECs, CRECs, and/or HRECs were identified relative to the Subject Property based on review of structures, roads and other improvements to the Subject Property.

2.4 Current Uses of Adjoining Properties

Adjoining properties are used for various purposes. Uses of adjoining properties at the time of this investigation are the following:

<i>Direction</i>	<i>Address</i>	<i>Use & Occupant</i>	<i>Comments</i>
North	1565 Palm Ln	Private Residence	
North	2110 Sycamore St.	Empty Lot	Under Construction
North	2101 Jay Dr.	Private Residence	
North	2029 Jay Dr.	Private Residence	
North	2025 Jay Dr.	Private Residence	
East	APN: 010-290-041	Orchard	
East	APN: 010-270-076	Orchard	
South	APN: 010-270-122	Orchard	
West	1550 Lewis Oak Rd.	Orchard	

No RECs, CRECs, and/or HRECs were identified relative to the Subject Property based on review of current uses of adjoining properties.

Section 3: User-Provided Information

The purpose of this section is to detail User-provided information used to help identify the possibility of RECs in connection with the Subject Property. A User-Provided Information Questionnaire was provided to the User to assist in compiling pertinent information. User-provided information is summarized below.

3.1 Owner, Key Property Manager, or Occupant Provided Information

The current Owner and/or Occupants completed a User-Provided Questionnaire relaying any specialized knowledge of the Subject Property and which is discussed with greater detail in Section 6.1 of this report.

3.2 Title Records, Environmental Liens or Activity and Use Limitations

Reasonably ascertainable recorded land title records should be checked by the User to identify environmental liens or activity and use limitations, if currently recorded against the Subject Property. Environmental liens or activity and use limitations so identified are supposed to be reported to the Environmental Professional conducting the ESA. A Preliminary Title Report for the Subject Property was provided to Broadbent for review and is included in Appendix F. No evidence of environmental liens or activity and/or use limitations was discovered or brought to the attention of Broadbent, with the exception of broadly-described easements generally of the northerly portion of the Subject Property for public utility purposes and access to the Biggs-West Gridley water canal.

No RECs, CRECs, and/or HRECs were identified relative to the Subject Property based on review of title records, environmental liens, or activity and use limitations.

3.3 Specialized Knowledge

If the User has or is aware of any specialized knowledge or experience that is material to RECs in connection with the Subject Property, it is the User's responsibility to communicate this information to the Environmental Professional. The Client did not provide any Specialized Knowledge relative to the Subject Property.

No RECs, CRECs, and/or HRECs were identified relative to the Subject Property based on review of available specialized knowledge.

3.4 Valuation Reduction for Environmental Issues

In a transaction involving the purchase of a parcel of real estate, if a User has actual knowledge that the purchase price of the Subject Property is significantly less than the purchase price of comparable properties, the User should try to identify an explanation for the lower price and to make a written record of such explanation. The client did not provide any information relative to valuation reduction relative to the Subject Property.

No RECs, CRECs, and/or HRECs were identified relative to the Subject Property based on review of information relative to valuation reduction for environmental issues.

3.5 Reason for Conducting Phase I

The purpose of this Phase I ESA was to identify existing or potential RECs, CRECs, and/or HRECs (as defined by ASTM Standard E1527-13) in connection with the Subject Property for the purpose of due diligence investigation prior to purchase.

Section 4: Records Review

The purpose of a Records Review is to obtain and review records that will help identify RECs, CRECs, and/or HRECs in connection with the Subject Property. A discussion of each record source is provided below.

4.1 Physical Setting

Physical setting information for the Subject Property was obtained by a review of sources that included, but was not limited to, USGS topographic maps and a USDA soil survey report. Refer to Section 13 for a complete list of records reviewed.

4.1.1 Topography

The USGS, Gridley Quadrangle 7.5-Minute series topographic map was reviewed for this ESA. The surface of the Subject Property is relatively flat and has a general elevation of approximately 88.51 feet above mean sea level. Topographic contour lines in vicinity of the Subject Property indicate that surface water generally drains towards the west.

4.1.2 Surface Water Bodies

The nearest surface water is a federally-recognized wetland riverine habitat which runs parallel and along the northern boundary of the Subject Property and discussed in greater detail in Section 7.2 of this report. No other settling ponds, lagoons, surface impoundments or natural catch basins were observed on the Subject Property during this investigation.

4.1.3 Geology and Hydrology

The Site is located in the center portion of the Sacramento Valley. The Sacramento Valley is the northern one-third of the Central Valley of California, which extends approximately 400 miles from the Tehachapi Mountains on the south to the Klamath Mountains in the north. The Sacramento Valley trough is strongly asymmetric with the deepest part of the trough west of the apparent surface axis of the valley. The valley is bordered to the east by the Sierra Nevada, to the north by the Klamath and Cascade Ranges, and to the west by the Coast Ranges.

The Sacramento Valley was formed by down-warping of the west side of the Sierran block contemporaneous to uplift and erosion of the Sierra Nevada to the east, the Klamath and Cascade Ranges to the north, and the Coast Ranges to the west. The valley is underlain by a basement complex composed of Paleozoic and Mesozoic granites and metamorphosed rocks. The basement complex is overlain by a thick sequence of marine and non-marine sediments ranging in age from Cretaceous to Quaternary. The upper 1,000 meters of the non-marine sediments are composed of sediments of volcanic origin which were transported into the valley from the east as mudflows and stream-carried sediments.

Major recharge areas for the Sacramento Valley are the Feather River and Butte Creek systems. The major discharge area for the Sacramento Valley is the Sacramento River. The regional aquifer beneath the Site exists at approximately 10 feet below ground surface. The direction of ground-water flow is to the west-southwest.

Based on the soil survey published by the USDA Soil Conservation Service, the Property encompasses two mapped soil units: the Gridley Taxadjunct Loam and the Liveoak Sandy Loam. The Gridley Taxadjunct Loam has a depth of 60 inches, slope of 0 to 2 percent, and is somewhat poorly drained. The Liveoak Sandy Loam has a depth of 75 inches, with a slope of 0 to 2 percent, and is moderately well drained.

4.2 Environmental Record Sources

Broadbent contracted Environmental Data Resources, Inc. (EDR) to conduct a search of available state, federal, and other ascertainable environmental records. The area searched included the Subject Property and surrounding area within approximate minimum search distances from the Subject Property boundary, dependent on listing type, as defined by ASTM International. A complete listing of records searched is available in the EDR Radius Report provided in Appendix B. An abbreviated list of search results is provided in the table below relative to records that identified a regulatory listing relevant to the Subject Property. A subsequent discussion is provided relative to identified potential concerns.

<i>Standard Database List Per ASTM International</i>	<i>Database Date (M/D/Y)</i>	<i>Subject Property Listed (Y or N)</i>	<i>Total No. of Listings</i>	<i>Environmental Concern Posed to the Subject Property (Y or N)</i>
State Agencies				
GeoTracker (CPS-SLIC) (<0.5 mile)	12/06/2021	N	1	N
CalEPA Regulated Site Portal Data (CERS) (<0.25 mile)	01/18/2022	N	1	N

GeoTracker (LUST) (<0.5 mile)	12/06/2021	N	4	N
CalEPA (AST) (<0.25 mile)	07/06/2016	N	1	N
CalEPA (CERS HAZ WASTE)	01/18/2022	N	1	N
SWRCB (UST) (<0.25 mile)	12/06/2021	N	1	N
SWEEPS UST Statewide Environmental Evaluation and Planning System (<0.25 mile)	06/01/1994	N	2	N
HIST UST Hazardous Substance Storage Container Database (<0.25 mile)	10/15/1990	N	3	N
California Environmental Reporting System (CERS) - Tanks (<0.25 mile)	01/18/2022	N	1	N
Federal Agencies				
EPA Small Quantity Generators (RCRA-SQG) (<0.25)	02/28/2022	N	1	N
Other Ascertainable Records				
RCRA NonGen / NLR (<0.25 mile)	02/28/2022	N	1	N
Cortese (<0.50 mile)	12/16/2021	N	2	N
CUPA Listings Database (<0.25 mile)	04/21/2017	N	4	N

Based on information contained within the EDR report, the Subject Property was not listed on any of the searched databases.

Other sites listed in the table above, but not yet specifically discussed, do not likely pose a significant environmental concern relative to the Subject Property for one or more of the following reasons: distance from Subject Property, relative location to the Subject Property, operating UST facilities with no violations, UST facilities that are permanently out of service, or a site listing not indicative of a release but rather simply indicating that the site/facility may possess chemicals of concern (e.g. RCRA SQG).

4.3 Vapor Intrusion

Vapor intrusion occurs when chemicals volatilize and migrate from impacted soil and/or groundwater up into a building's interior space. Vapor intrusion can pose a potential health threat to the occupants of the building, especially to sensitive populations such as the elderly and children.

Sites within the approximate minimum search distances of 1/4 of a mile for chemicals of concern (COC) and for petroleum hydrocarbon COC were reviewed. Based on the regulatory status, the characteristics of the offsite suspect sources, and/or lack of documented groundwater plumes within the areas of concern, it is unlikely that the Subject Property has been impacted by vapor intrusion from surrounding sites.

4.4 Historical Record Sources

The following standard historical sources may be used to meet the historical record sources review requirements of ASTM E1527-13: aerial photographs; fire insurance maps; property tax files; land title records (although these cannot be the sole historical source consulted); topographic maps; city directories; building department records; or zoning/land use records. ASTM E1527-13 requires "All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier." This task requires reviewing only as many of the standard historical sources as are necessary and that are reasonably ascertainable and likely to be useful.

4.4.1 Historical Topographic Maps

The following historical topographic maps were reviewed and described. Copies of the historical topographic maps are provided in Appendix C.

Date	Source	Subject Property Observations	Surrounding Area Observations
1888	USGS	The Subject Property appears undeveloped.	The town of Gridley is shown to the east of the Subject Property with a slough to the north.
1891	USGS	No significant changes are observed on the Subject Property when compared to the 1888 topographic map.	No significant changes are observed in the surrounding area when compared to the 1888 topographic map.
1894	USGS	No significant changes are observed on the Subject Property when compared to the 1891 topographic map.	No significant changes are observed in the surrounding area when compared to the 1891 topographic map.
1895	USGS	No significant changes are observed on the Subject Property when compared to the 1894 topographic map.	No significant changes are observed on the Subject Property when compared to the 1894 topographic map.
1912	USGS	A road or canal is observed running along the north and west boundary of the Subject Property.	The 1912 topographic is generally more detailed and shows more roads than the 1895 topographic map. The Colusa Hwy or Sycamore St. is to the north of the Subject Property running east-west. There is a building to the northwest of the Subject Property.
1952	USGS	The previous road/canal is no longer marked on the map. Three (3) buildings are observed in the center and northern portion of the Subject Property.	The 1952 topographic is generally more detailed and shows more roads, orchards, and waterways than the 1912 topographic map.
1973	USGS	No significant changes are observed on the Subject Property when compared to the 1952 topographic map.	No significant changes are observed in the surrounding area when compared to the 1952 topographic map.
2012	USGS	The 2012 map no longer shows buildings	No significant changes are observed in the surrounding area when compared to the 1973 topographic map.
2015	USGS	No significant changes are observed on the Subject Property when compared to the 2012 topographic map.	No significant changes are observed in the surrounding area when compared to the 2012 topographic map.
2018	USGS	No significant changes are observed on the Subject Property when compared to the 2015 topographic map.	No significant changes are observed on the Subject Property when compared to the 2015 topographic map.

No RECs, CRECs, and/or HRECs were identified relative to the Subject Property based on review of the historical topographic maps.

4.4.2 Historical Aerial Photographs

The following historical aerial photographs were reviewed and described. Copies of the historical aerial photographs are provided in Appendix C.

Date	Source & Scale	Subject Property Observations	Surrounding Area Observations
1937	USDA 1"=500'	The Subject Property appears to be mostly agricultural fields and orchards with two (2) large buildings in the central northern portion of the Subject Property.	The surrounding area consists of similar orchard/agricultural property as the Subject Property.
1952	USDA 1"=500'	No significant changes are observed when compared to the 1937 aerial image of the Subject Property, with the exception that the orchards appear to have been replaced with row crops.	No significant changes are observed in the surrounding area when compared to the 1937 aerial image.
1969	USGS 1"=500'	The buildings on the Subject Property appear to have been razed and the agricultural fields are now homogenous.	No significant changes are observed in the surrounding area when compared to the 1952 aerial image, with the exception of slight modifications to surrounding agricultural fields.
1973	USGS 1"=500'	The Subject Property appears to consist solely of a homogenous orchard.	No significant changes are observed in the surrounding area when compared to the 1969 aerial image, with the exception of slight modifications to surrounding agricultural fields.
1977	USGS 1"=500'	No significant changes are observed when compared to the 1973 aerial image of the Subject Property.	No significant changes are observed in the surrounding area when compared to the 1973 aerial image.
1984	USDA 1"=500'	No significant changes are observed when compared to the 1977 aerial image of the Subject Property.	No significant changes are observed in the surrounding area when compared to the 1973 aerial image, with the exception of slight modifications to surrounding agricultural fields and early construction of a housing development directly northeast of the Subject Property.
1998	USGS/DOQQ 1"=500'	No significant changes are observed when compared to the 1984 aerial image of the Subject Property.	The housing development observed in 1984 appears fully developed.
2006	USDA/NAIP 1"=500'	The Subject Property is a cleared field.	No significant changes are observed in the surrounding area when compared to the 1998 aerial image.
2009	USDA/NAIP 1"=500'	No significant changes are observed when compared to the 2006 aerial image of the Subject Property.	No significant changes are observed in the surrounding area when compared to the 2006 aerial image.
2012	USDA/NAIP 1"=500'	A road or path is dimly observed running north-south through the center of the Subject Property.	No significant changes are observed in the surrounding area when compared to the 2009 aerial image.
2016	USDA/NAIP 1"=500'	No significant changes are observed when compared to the 2012 aerial image of the Subject Property.	No significant changes are observed in the surrounding area when compared to the 2012 aerial image.

No environmental RECs, CRECs, and/or HRECs were identified relative to the Subject Property based on review of the historical aerial photographs.

4.4.3 Fire Insurance Maps

Fire insurance maps were initially produced by private companies (such as Sanborn, Perris, and the Fire Underwriters Inspection Bureau) for the insurance industry to provide information regarding the uses of properties at specified dates. No fire insurance maps depicting the Subject Property were identified. A copy of the Certified Sanborn Map Report indicating no coverage available is provided in Appendix D.

4.4.4 City Directories

City directories have been published for cities and towns across the US since the 1700s. Originally a list of residents, the city directory developed into a sophisticated tool for locating individuals and businesses in a particular urban or suburban area. Twentieth-century directories are generally developed into three sections: a business index, a list of resident names and addresses, and a street index. With each address, the directory lists the name of the resident or, if a business is operated from this address, the name and type of business (if unclear from the name). While city directory coverage is comprehensive for major cities, it may be less comprehensive for rural areas and small towns.

Broadbent requested EDR to provide a search of available historical city directories that might list the Subject Property. EDR searched the EDR Digital Archive and the Haines Criss-Cross City Directory listings for the following years: 1971, 1975, 1981, 1986, 1990, 1995, 2000, 2005, 2010, 2014, and 2017. City directory listings are summarized below. Copies of the City Directory Report are provided in Appendix C.

<i>Location</i>	<i>Listings</i>
Subject Property	Not listed
Northwest Adjoining	<u>1565 Palm Lane</u> Occupant Unknown (1986, 2014) Gary Carter (1995) Kevin Downing (2000, 2005, 2010, 2017) <u>1581 Palm Lane</u> Brenda Salazar (1986) Elvin Seiders (1990) Audrey Carter (2005, 2010, 2014, 2017)

No environmental RECs, CRECs, and/or HRECs were identified relative to the Subject Property based on review of the historical city directories.

Section 5: Site Reconnaissance

Mr. Ryan Beane of Broadbent conducted a site reconnaissance of the Subject Property on Wednesday, June 25, 2022, as discussed below. The weather was sunny and hot.

The Subject Property is a relatively flat field covered in grasses, forbes, and dotted with a few small oaks. A concrete debris pile overgrown with blackberry vines and surrounded by solid waste was observed in the north-northwest corner of the Subject Property. Solid waste observed near the concrete pile included: a mattress, a broken television, a rusted 55-gallon drum, and metal debris. A 10-inch diameter vertical PVC pipe was observed south of the concrete debris pile on the western side of the Subject Property extending approximately four (4) feet above ground surface.

An pad-mounted electric transformer box was observed at the eastern edge of the Subject Property and at the north-northeast edge of the property there is a sign indicating a buried power line. Approximately 20 feet east of the buried utility sign was observed an open, 10-inch diameter PVC pipe flush with the ground surface. In between this pipe and the electrical box were observed a series of six (6) vertical, 10-inch diameter, capped, PVC pipes approximately one (1) foot high. Four (4) of the pipes run in a straight line north-south spaced approximately 50 feet apart. The two (2) other pipes observed were approximately 35 feet northwest of the electric transformer box and spaced approximately 10 feet apart.

5.1 Hazardous Substances in Connection with Identified Uses

No hazardous substances or petroleum products in connection with current identified uses were observed within the boundaries of the Subject Property during the site reconnaissance. No hazardous substances or petroleum products in connection with current identified uses were observed on properties adjoining the Subject Property when observed from the Subject Property or publicly accessible areas. As such, no RECs from hazardous substances or petroleum products in connection with current identified uses were known to be present on the Subject Property at the time of the reconnaissance.

5.2 Hazardous Substance and Unidentified Substance Containers

No hazardous substance, unidentified substance, or petroleum products containers were observed within the boundaries of the Subject Property during the site reconnaissance. No hazardous substance, unidentified substance, or petroleum product containers were observed on properties adjoining the Subject Property when observed from the Subject Property or publicly-accessible areas. As such, no RECs from hazardous substance or unidentified substance containers were known to be present on the Subject Property at the time of the reconnaissance.

5.3 Storage Tanks

No evidence of existing or historic storage tanks, vent pipes, fill pipes, or access ways indicating USTs or ASTs was observed within the boundaries of the Property during the site reconnaissance or records review. No evidence of storage tanks was observed on properties adjoining the Property when observed from the Property or publicly-accessible areas. As such, no RECs from storage tanks were known to be present on the Property at the time of the reconnaissance.

5.4 Polychlorinated Biphenyls

Polychlorinated biphenyls (PCBs) are a class of stable compounds that are toxic to the liver and are linked to cancer. The US EPA considers PCBs a Priority Pollutant under the Clean Water Act. The maximum contaminant level of PCBs allowed in drinking water is 0.5 parts per billion (ppb). Due to PCBs' toxicity and classification as a persistent organic pollutant, the United States prohibited the manufacture of PCBs after July 1, 1979, in the Toxic Substances Control Act (TSCA) of 1976. Until then, PCBs were widely used as coolant and dielectric insulating fluids for oil-filled electrical transformers and capacitors (such as those used in ballasts of old fluorescent and high-intensity discharge lights). PCBs were also used as plasticizers in paints and cements, stabilizing additives in flexible polyvinyl chloride (PVC) coatings of electrical wiring and electronic components,

pesticide extenders, cutting oils, reactive flame retardants, lubricating oils, vacuum pump fluids, hydraulic fluids, and sealants for caulking in schools and commercial buildings.

Although manufacture was prohibited after 1979, PCBs already in commerce continued to be allowed in “totally enclosed uses” such as transformers and capacitors. Due to their extended working life, some oil-filled electrical equipment may still contain PCBs. The US EPA considers a product to be “PCB-Contaminated” if the oil contains between 50-500 parts per million (ppm), and to be a PCB product if more than 500 ppm. After July 1, 1979, and through 1998, the US EPA required new oil-filled electrical equipment to be marked “No PCBs.” If an item is not so labeled, and no information is available as to the date of manufacture, an item might be assumed to contain PCBs until proven otherwise. PCB content may or may not be a matter of record with equipment or transformers belonging to a utility company.

A pad-mounted electric transformer box was observed on the Subject Property, however appeared in good condition with no leaks or damage. No other known PCB-containing equipment was observed within the Subject Property or adjacent property boundaries. As such, no RECs from PCBs were known to be present on the Subject Property at the time of the reconnaissance.

5.5 Odors, Pools of Liquid

No pools of liquids and/or standing surface water were observed within the boundaries of the Property during the site reconnaissance. No strong, pungent, or noxious odors were noted during the site reconnaissance. No odors, pools of liquid, or standing surface water were observed on properties adjoining the Property when observed from the Property or publicly-accessible areas. As such, no RECs associated with potential odors, pools of liquid, or standing surface water were known to be present on the Property at the time of the site reconnaissance.

5.6 Pits, Ponds, Lagoons

No pits, ponds, or lagoons were observed within the boundaries of the Subject Property during the site reconnaissance. No pits, ponds, or lagoons were observed on properties adjoining the Subject Property when observed from the Subject Property or publicly-accessible areas.

5.7 Stained Soil/Pavement, Stressed Vegetation

No stained soil/pavement or stressed vegetation were observed within the boundaries of the Subject Property during the site reconnaissance. No stained soil/pavement or stressed vegetation were observed on properties adjoining the Subject Property when observed from the Subject Property or publicly-accessible areas. As such, no RECs from stained soil/ pavement or stressed vegetation were known to be present on the Subject Property at the time of site reconnaissance.

5.8 Indications of Solid Waste Disposal

A pile of concrete debris was observed in the north-northwest corner of the Subject Property surrounded by solid waste, including: a mattress, a broken television, a rusted 55-gallon drum, and metal debris. A white plastic tarp, a tire, and a sheet of plywood were observed on the east edge of the Subject Property. All observed debris appeared clean and free of hazardous materials. No evidence of solid waste disposal was observed on properties adjoining the Subject Property when observed from the Subject Property boundaries or publicly-accessible areas. As such, no RECs from solid waste disposal were known to be present on the Subject Property at the time of the reconnaissance.

5.9 Water, Storm Water, and Wastewater

No evidence of on-site current or historic water supply wells or constructed storm water treatment systems

was observed within the boundaries of the Subject Property during the site reconnaissance or discovered during interviews or records review.

Section 6: Interviews

The following interviews were conducted in accordance with the requirements of ASTM E1527-13.

6.1 Interviews with Past and Present Owners and Occupants

Interviews were conducted with the following individuals:

- Jasuir Mann - owner
- Munveer Cheema – owner

Owner-Provided Information Questionnaires completed by the interviewees are provided in Appendix G.

No RECs, CRECs, and/or HRECs were identified relative to the Property based on review of information gathered via interviews.

6.2 Interviews with State and/or Local Government Officials

Broadbent personnel contacted the Butte County Assessor for details of the Subject Property, and the Butte County Assessor Parcel Map is included in Appendix A. The Butte County Planning and Building Division, Fire Marshall, and Sheriff were also contacted for request of public records pertaining to the Subject Property. Broadbent also reached out to the City of Gridley for any record of the Subject Property relevant for this report. Neither the City of Gridley, nor the Butte County entities contacted, had public records on file associated with the Subject Property.

Section 7: Non-Scope Considerations

The following items are outside the scope of ASTM E1527-13 and were requested to be included by the lender.

7.1 Radon

The EPA Map of Radon Zones were reviewed for the Subject Property. Indoor radon measurements, geology, aerial radioactivity, soil permeability, and foundation type are all factors used to determine radon potential. The Subject Property is mapped in Zone 2. Areas mapped in Zone 2 are reported to have a low potential for elevated indoor radon levels. The general predicted average indoor radon screening level is greater than or equal to 2 pCi/L but less than or equal to 4 pCi/L in Zone 2. The EPA's current action level for indoor radon is 4 pCi/L.

7.2 Wetlands

The U.S. Fish and Wildlife Service (USFWS) maintains an inventory of wetlands in the U.S. The USFWS National Wetlands Inventory map was reviewed for the Subject Property. The wetlands database identified a 17.14 acre Riverine habitat classified as R5UBFx running east-west along the northern boundary of the Subject Property. A R5UBFx wetland type is defined as:

- **System Riverine (R)** : The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- **Subsystem Unknown Perennial (5)** : This Subsystem designation was created specifically for use when the distinction between lower perennial, upper perennial, and tidal cannot be made from aerial photography and no data is available.
- **Class Unconsolidated Bottom (UB)** : Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- **Water Regime Semipermanently Flooded (F)** : Surface water persists throughout the growing season in most years. When surface water is absent, the water table is usually at or very near the land surface.
- **Special Modifier Excavated (x)** : This Modifier is used to identify wetland basins or channels that were excavated by humans¹

No other wetlands were identified on or adjacent to the Subject Property during the site reconnaissance.

7.3 Endangered and Threatened Species

The USFWS maintains data regarding endangered and threatened species critical habitats in the U.S. According to critical habitat data found online, no endangered or threatened species habitats were mapped on or in the vicinity of the Subject Property.

7.4 National Register of Historic Places

The National Register of Historic Places was reviewed for any properties listed in the vicinity of the Subject Property. There were several listings for Gridley, California; however, none of the sites were the Subject Property or in the vicinity of the Subject Property.

Section 8: Data Gaps

A data failure is failure to achieve the historical research objectives of ASTM E1527-13. A data gap is the incompleteness in activities required in this practice. The following data gaps occurred during conduct of this ESA: *No information was provided by Butte County entities or the City of Gridley and no fire insurance maps depicting the Subject Property were available for review.* Based on the experience and good faith efforts of the environmental professionals responsible for conducting and reviewing this ESA, the above data gaps do not constitute a data failure and are not significant enough to affect identification of recognized environmental conditions on the Subject Property.

Section 9: Findings

Findings of the ESA have been discussed throughout the body of this report and are tabulated below.

Report Section		REC (Y/N)	CREC (Y/N)	HREC (Y/N)	De Minimis Conditions (Y/N)	Comments
2	Site Description	N	N	N	N	
3	User-Provided Information	N	N	N	N	
4	Records Review	N	N	N	N	
5	Site Reconnaissance	N	N	N	N	
6	Interviews	N	N	N	N	

Section 10: Conclusion

Broadbent has conducted this ESA in conformance with the scope and limitations of ASTM Practice E1527-13 for the Subject Property located at Butte County APN: 010-270-121, Gridley, Butte County, California. Exceptions to, or deviations from, this practice are described in Section 1.4 of this report.

This assessment has revealed no evidence of recognized environmental condition in connections with the Subject Property.

Section 11: Limitations & Exceptions of Assessment

Broadbent prepared this report for the exclusive use of Community Housing Improvement Program. This ESA is based on review of the site description, User-provided information, readily ascertainable environmental records, and results of site reconnaissance and interviews. This ESA was conducted in accordance with generally accepted environmental practices and procedures, as of the date of the report. Reputable environmental professionals practicing in this or similar localities conducted the services employing a degree of care and skill ordinarily exercised under similar circumstances. Findings and conclusions were made using methodologies employed per ASTM International Practice E1527-13 described by ASTM International as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying RECs. No other warranties are implied or expressed.

No environmental sampling and associated analyses were undertaken for this ESA report. It is possible that variations in conditions could exist beyond points explored in this investigation.

This report represents professional opinion and judgment, which are dependent upon information obtained during the performance of consulting services. Environmental conditions may exist at the Subject Property that cannot be identified. Conclusions are based, in part, on information supplied by others, the accuracy or sufficiency of which may not be independently reviewed. No investigation can be thorough enough to exclude the presence of hazardous materials at a given site; therefore, if no hazardous materials are identified during an assessment, such a finding should not be construed as a guarantee of the absence of such materials on a property, but rather the results of services conducted within project scope, cost, and other real limitations.

Opinions presented apply to conditions existing at the time services were conducted. Broadbent is unable to report on, or accurately predict events that may impact the Subject Property following performance of the described services, whether occurring naturally or caused by the actions of others. Broadbent assumes no responsibility for conditions it is not authorized to investigate or conditions not generally recognized as environmentally unacceptable at the time services are conducted. Broadbent is not responsible for change in applicable environmental standards, practices, laws, or regulations following performance of services.

Section 12: Certification Statement & Signatures

As required by 40 CFR Part 312.21(d), I declare that, to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in §312.10 of this part. 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 conducted the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. My qualifications as an Environmental Professional are presented within Appendix G.

BROADBENT & ASSOCIATES, INC.

Signature: 

Name: Chelsea Meddings

Title: Project Scientist

Date: July 6, 2022

Signature: 

Name: Stephanie Holst

Title: Senior Scientist

Date: July 6, 2022

Section 13: References

- American Society for Testing and Materials, 6 November 2013. Designation E1527-13: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.
- Butte County Assessor, Property Search, accessed 11 April 2022.
- Butte County Development Services, contacted 24 May 2022.
- Butte County Fire Marshal, contacted 24 May 2022.
- Butte County Geographical Information Systems, Parcel Search Map Viewer, accessed 11 April 2022.
- Butte County Sheriff-Coroner, contacted 24 May 2022.
- City of Gridley, contacted 31 May 2022.
- Department of Toxic Substances Control, accessed 11 April 2022. Envirostor.
- Environmental Data Resources, 5 April 2022. The EDR Aerial Photo Decade Package: 1620 Cypress Lane, Paradise, CA (Inquiry # 6482704.8).
- Environmental Data Resources, 5 April 2022. The EDR-City Directory Abstract: 1620 Cypress Lane, Paradise, CA (Inquiry #6927425.5).
- Environmental Data Resources, 5 April 2022. The EDR Radius Map™ Report with GeoCheck®: 1620 Cypress Lane, Paradise, CA 95969 (Inquiry # 6927425.2s).
- Environmental Data Resources, 5 April 2022. Certified Sanborn® Map Report: 1620 Cypress Lane, Paradise, CA Inquiry #6927425.3).
- Environmental Data Resources, 5 April 2022. EDR Historical Topographic Map Report with QuadMatch™: 1620 Cypress Lane, Paradise, CA (Inquiry #6927425.4).
- Gridley Municipal Utilities, contacted 31 May 2022.
- United States Department of Agriculture – Natural Resource Conservation Service (USDA), 11 April 2022, Custom Soil Survey.
- Water Resources Control Board, State of California, accessed 11 April 2022. GeoTracker.

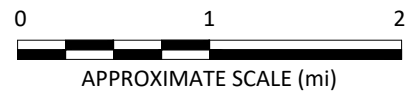
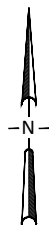


IMAGE SOURCE: Google Earth



Project No.: 22-08-120 Date: 6/27/2022

Phase I ESA
 APN: 010-270-121
 Community Housing Improvement Program
 Gridley, Butte County, California

Site Vicinity Map

Drawing

1



1370 Ridgewood Dr., Suite #5
Chico, California 95973

Project No.: 22-08-120 Date: 6/27/2022

Phase I ESA
APN: 010-270-121
Community Housing Improvement Program
Gridley, Butte County, California

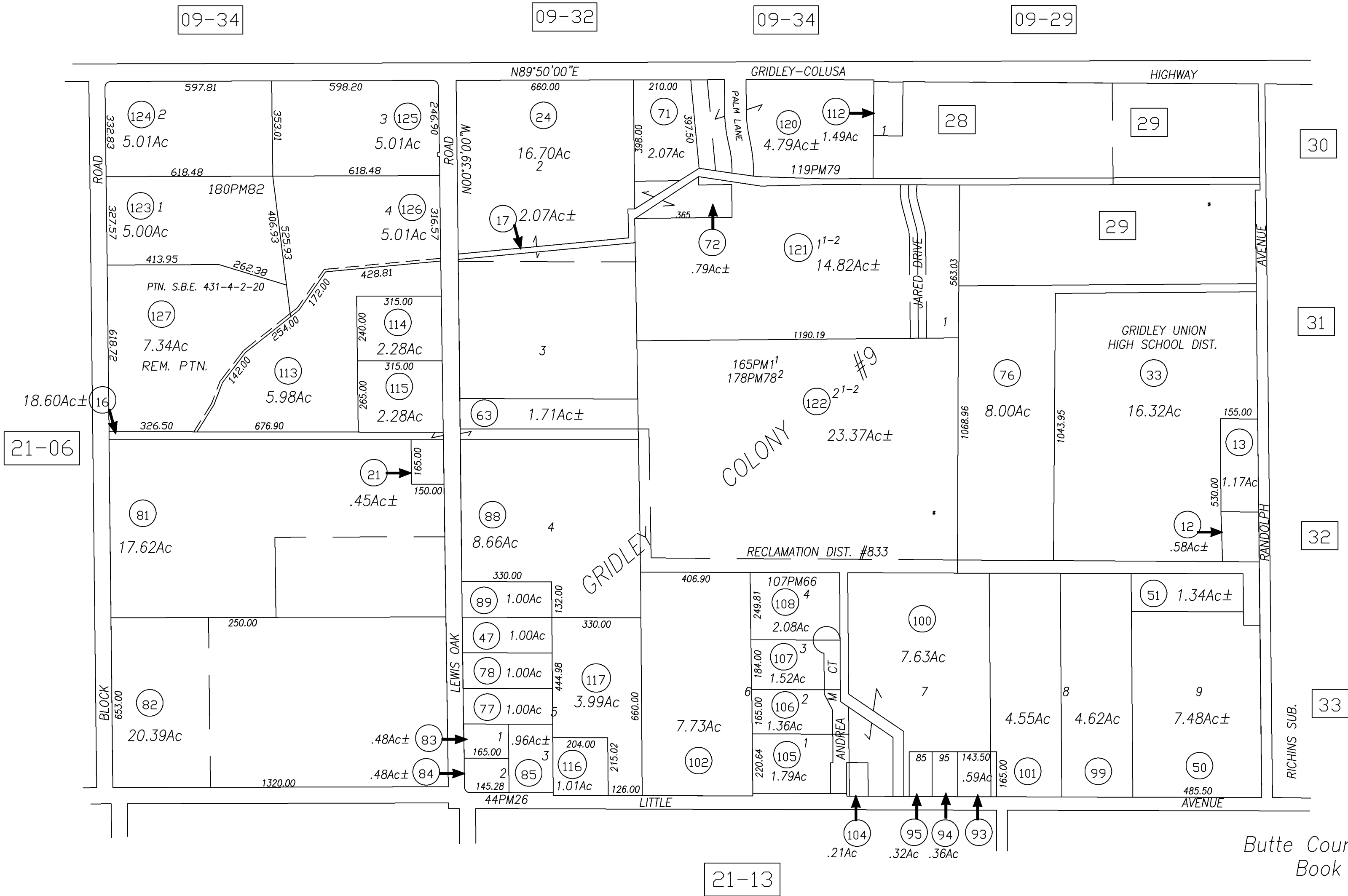
Property Location Map

Drawing

2

APPENDIX A

Assessor's Parcel Map



GRIDLEY COLONY #9 6 M.O.R. 58
PARKSIDE ADD. 7 M.O.R. 39

All Assessors' maps are prepared for local property assessment purposes ONLY. Parcels shown thereon may not comply with State and local subdivision ordinances. No liability is assumed for use of information shown on any Assessors' map. ALL ACREAGES APPROXIMATE PER RECORDED INFORMATION.

CREATED BY	DB	CREATED ON	09-28-2006
REVISED BY	SL	REVISED ON	09-11-2014
		EFFECTIVE	2015-16 ROLL
Previous Book 21, Page 07			
Compiled By The Butte County Assessor's Office			

APPENDIX B

Environmental Records Search Report

CHIP Gridley Phase I ESA

APN 010-270-121

Gridley, CA 95948

Inquiry Number: 6993765.2s

May 24, 2022

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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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 (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

APN 010-270-121
GRIDLEY, CA 95948

COORDINATES

Latitude (North): 39.3609530 - 39° 21' 39.43"
Longitude (West): 121.7162300 - 121° 42' 58.42"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 610601.6
UTM Y (Meters): 4357410.5
Elevation: 89 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 12021673 GRIDLEY, CA
Version Date: 2018

North Map: 12016069 BIGGS, CA
Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140725
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
APN 010-270-121
GRIDLEY, CA 95948

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	JOHN JAY OLDROYD	2005 JAY DR	SWEEPS UST, HIST UST, CUPA Listings	Higher	432, 0.082, NE
2	J. DELATORRE	305 BUTTE VIEW DR	SWEEPS UST, HIST UST, CUPA Listings	Higher	672, 0.127, East
3	DONALD J. MICH.	1493 LEWIS OAK RD	UST, HIST UST	Lower	830, 0.157, WSW
4	GRIDLEY-COLUSA HWY D	696 COLUSA HIGHWAY	CPS-SLIC, CERS	Lower	842, 0.159, WNW
A5	SANNAR RAY SHADE TRE	1635 KOFFORD RD	CUPA Listings	Lower	845, 0.160, NNW
A6	SHADE TREE GARAGE	1635 KOFFORD RD	RCRA-SQG, FINDS, ECHO	Lower	845, 0.160, NNW
B7	BEN TOILET RENTALS I	720 COLUSA HWY	RCRA NonGen / NLR	Lower	1070, 0.203, WNW
B8	BEN'S TOILET RENTALS	720 COLUSA HWY	CUPA Listings	Lower	1070, 0.203, WNW
B9	BEN TOILET RENTALS I	720 COLUSA HWY	AST	Lower	1070, 0.203, WNW
B10	BEN TOILET RENTALS I	720 COLUSA HWY	CERS HAZ WASTE, CERS TANKS, CERS, HWTS	Lower	1070, 0.203, WNW
11	PRIVATE RESIDENCE	PRIVATE RESIDENCE	LUST	Lower	1326, 0.251, West
12	BARTSCHI RANCH	1534 BLOCK ROAD	LUST, HIST UST, HIST CORTESE	Lower	1918, 0.363, West
13	A.D RICHINS	1619 W. BIGGS GRIDLE	LUST, Cortese, CUPA Listings, CERS	Higher	2176, 0.412, ENE
14	RICHENS FARM	420 LITTLE	LUST, Cortese, HIST CORTESE, CERS	Higher	2410, 0.456, SE

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-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

EXECUTIVE SUMMARY

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 hazardous waste facilities

ENVIROSTOR..... EnviroStor Database

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

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing

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 Brownfields 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

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

HIST Cal-Sites.....	Historical Calsites Database
SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
Toxic Pits.....	Toxic Pits Cleanup Act Sites
US CDL.....	National Clandestine Laboratory Register
AQUEOUS FOAM.....	Former Fire Training Facility Assessments Listing
PFAS.....	PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CA FID UST.....	Facility Inventory Database
-----------------	-----------------------------

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
FUSRAP.....	Formerly Utilized Sites Remedial Action Program

EXECUTIVE SUMMARY

UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
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
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)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
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
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EXECUTIVE SUMMARY

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 Federal RCRA generators

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SHADE TREE GARAGE</i> EPA ID:: CAD982350522	<i>1635 KOFFORD RD</i>	<i>NNW 1/8 - 1/4 (0.160 mi.)</i>	<i>A6</i>	<i>13</i>

Lists of state and tribal leaking storage tanks

LUST: 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.

A review of the LUST list, as provided by EDR, has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>A.D RICHINS</i> Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 12/06/2021 Status: Completed - Case Closed Status: Pollution Characterization Global Id: T0600742021	<i>1619 W. BIGGS GRIDLE</i>	<i>ENE 1/4 - 1/2 (0.412 mi.)</i>	<i>13</i>	<i>37</i>
<i>RICHENS FARM</i> Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 12/06/2021	<i>420 LITTLE</i>	<i>SE 1/4 - 1/2 (0.456 mi.)</i>	<i>14</i>	<i>41</i>

EXECUTIVE SUMMARY

Status: Completed - Case Closed
 Status: Case Closed
 Global Id: T0600700091

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PRIVATE RESIDENCE Database: LUST, Date of Government Version: 12/06/2021 Status: Completed - Case Closed Global Id: T0600700111	PRIVATE RESIDENCE	W 1/4 - 1/2 (0.251 mi.)	11	34
BARTSCHI RANCH Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Case Closed	1534 BLOCK ROAD	W 1/4 - 1/2 (0.363 mi.)	12	36

CPS-SLIC: 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.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GRIDLEY-COLUSA HWY D Database: CPS-SLIC, Date of Government Version: 12/06/2021 Facility Status: Completed - Case Closed Global Id: T10000000899	696 COLUSA HIGHWAY	WNW 1/8 - 1/4 (0.159 mi.)	4	12

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.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DONALD J. MICH. Database: UST, Date of Government Version: 12/06/2021 Facility Id: 31263	1493 LEWIS OAK RD	WSW 1/8 - 1/4 (0.157 mi.)	3	11

AST: A listing of aboveground storage tank petroleum storage tank locations.

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BEN TOILET RENTALS I Database: AST, Date of Government Version: 07/06/2016	720 COLUSA HWY	WNW 1/8 - 1/4 (0.203 mi.)	B9	19

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/18/2022 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BEN TOILET RENTALS I	720 COLUSA HWY	WNW 1/8 - 1/4 (0.203 mi.)	B10	20

Local Lists of Registered Storage Tanks

SWEEPS UST: 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.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOHN JAY OLDROYD Status: A Tank Status: A Comp Number: 14880	2005 JAY DR	NE 0 - 1/8 (0.082 mi.)	1	9
J. DELATORRE Status: A Tank Status: A Comp Number: 49945	305 BUTTE VIEW DR	E 1/8 - 1/4 (0.127 mi.)	2	10

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 3 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOHN JAY OLDROYD Facility Id: 00000014880	2005 JAY DR	NE 0 - 1/8 (0.082 mi.)	1	9
J. DELATORRE Facility Id: 00000049945	305 BUTTE VIEW DR	E 1/8 - 1/4 (0.127 mi.)	2	10
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DONALD J. MICH.	1493 LEWIS OAK RD	WSW 1/8 - 1/4 (0.157 mi.)	3	11

EXECUTIVE SUMMARY

Facility Id: 00000031263

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.

A review of the CERS TANKS list, as provided by EDR, and dated 01/18/2022 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BEN TOILET RENTALS I	720 COLUSA HWY	WNW 1/8 - 1/4 (0.203 mi.)	B10	20

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 02/28/2022 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BEN TOILET RENTALS I EPA ID:: CAL000249435	720 COLUSA HWY	WNW 1/8 - 1/4 (0.203 mi.)	B7	16

Cortese: 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).

A review of the Cortese list, as provided by EDR, and dated 12/16/2021 has revealed that there are 2 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
A.D RICHINS Cleanup Status: COMPLETED - CASE CLOSED	1619 W. BIGGS GRIDLE	ENE 1/4 - 1/2 (0.412 mi.)	13	37
RICHENS FARM Cleanup Status: COMPLETED - CASE CLOSED	420 LITTLE	SE 1/4 - 1/2 (0.456 mi.)	14	41

CUPA Listings: 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.

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

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOHN JAY OLDROYD Database: CUPA BUTTE, Date of Government Version: 04/21/2017 Facility ID: FA0000545	2005 JAY DR	NE 0 - 1/8 (0.082 mi.)	1	9
J. DELATORRE Database: CUPA BUTTE, Date of Government Version: 04/21/2017 Facility ID: FA0002202	305 BUTTE VIEW DR	E 1/8 - 1/4 (0.127 mi.)	2	10
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANNAR RAY SHADE TRE Database: CUPA BUTTE, Date of Government Version: 04/21/2017 Facility ID: FA0004191	1635 KOFFORD RD	NNW 1/8 - 1/4 (0.160 mi.)	A5	13
BEN'S TOILET RENTALS Database: CUPA BUTTE, Date of Government Version: 04/21/2017 Facility ID: FA0003232	720 COLUSA HWY	WNW 1/8 - 1/4 (0.203 mi.)	B8	19

HIST CORTESE: 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.

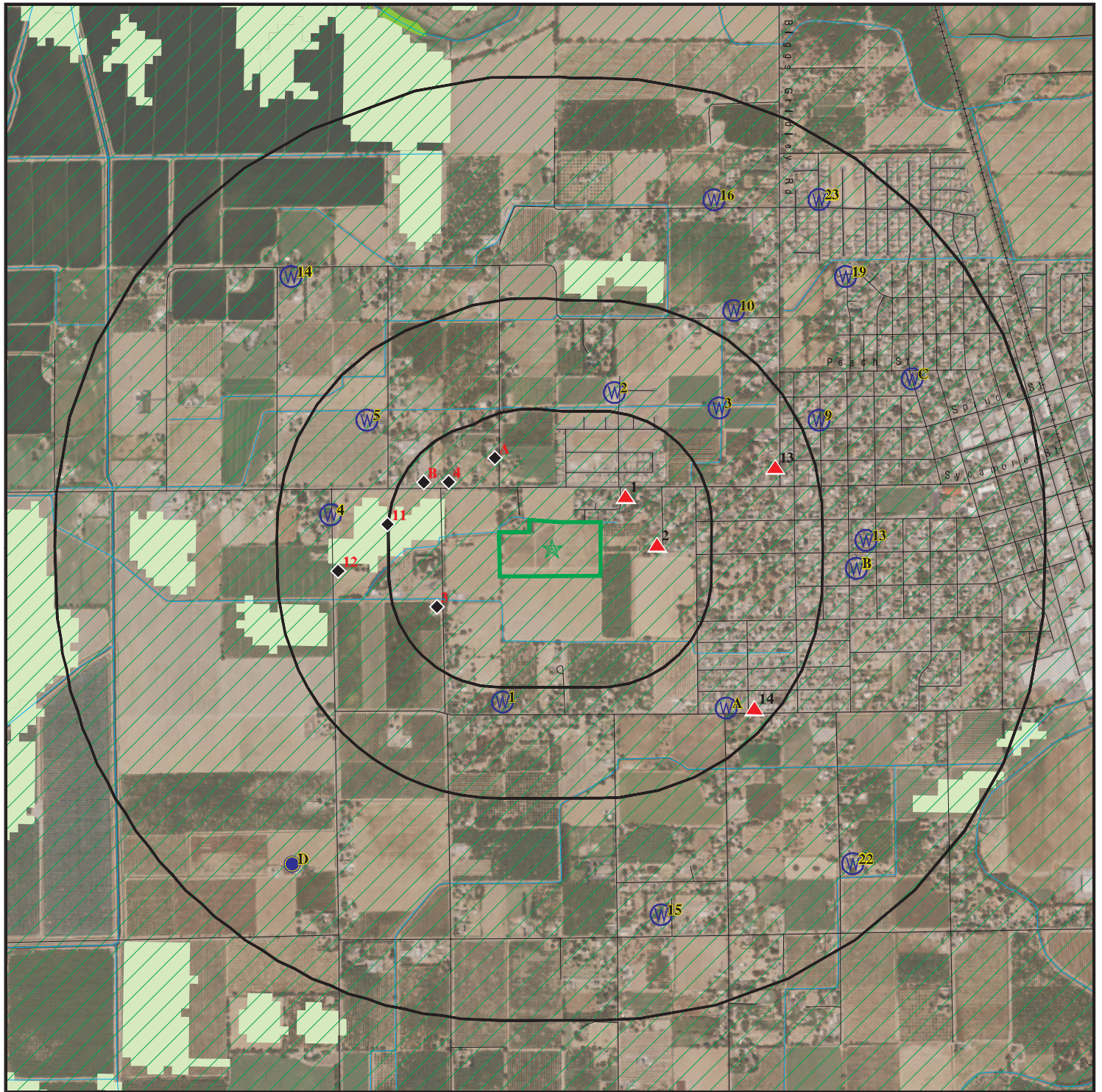
A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RICHENS FARM Reg Id: 040096	420 LITTLE	SE 1/4 - 1/2 (0.456 mi.)	14	41
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BARTSCHI RANCH Reg Id: 040116	1534 BLOCK ROAD	W 1/4 - 1/2 (0.363 mi.)	12	36

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6993765.2S



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

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

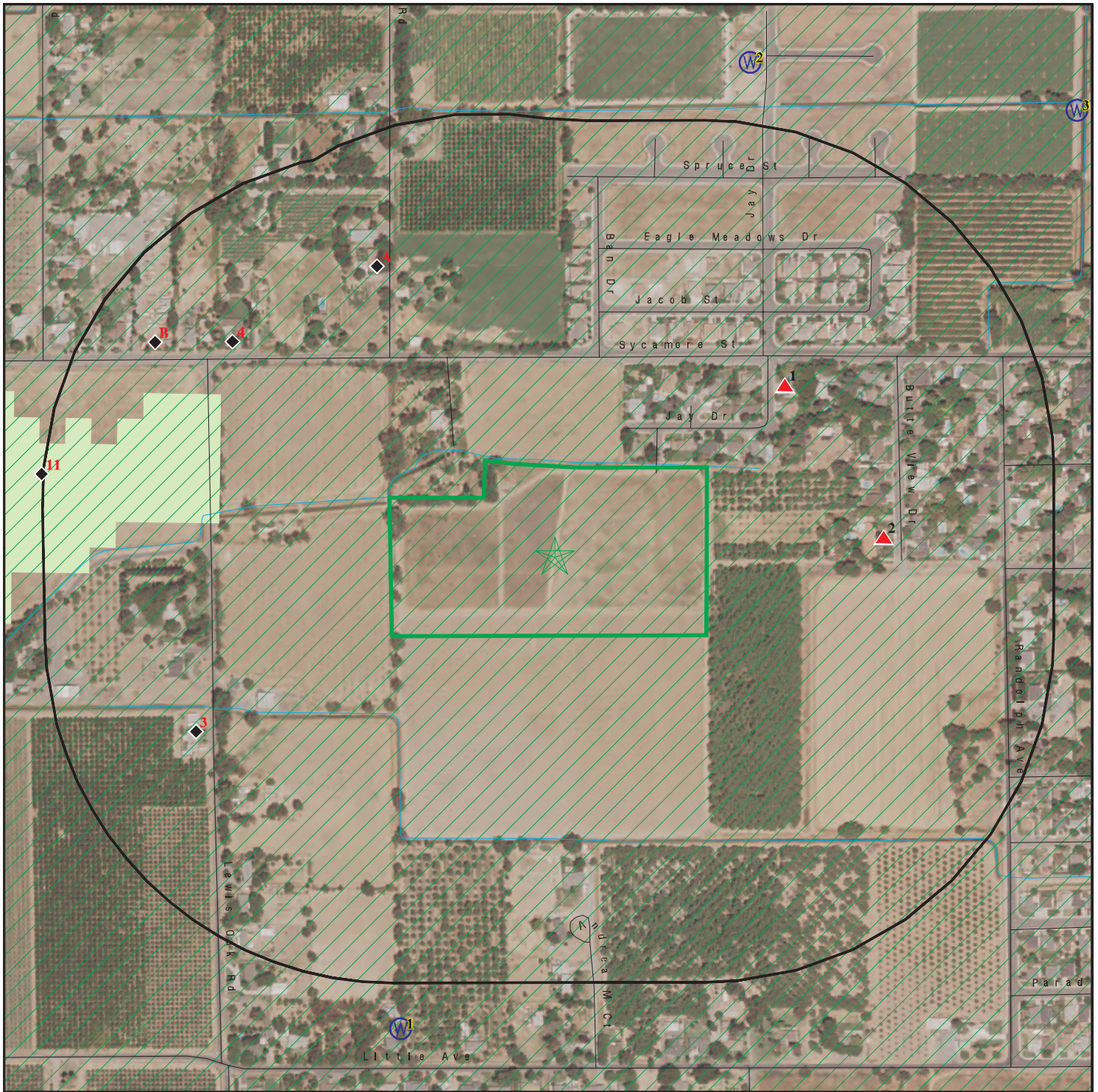
Areas of Concern

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: CHIP Gridley Phase I ESA
ADDRESS: APN 010-270-121
Gridley CA 95948
LAT/LONG: 39.360953 / 121.71623

CLIENT: Broadbent & Associates, Inc.
CONTACT: Chelsea Meddings
INQUIRY #: 6993765.2s
DATE: May 24, 2022 7:21 pm

DETAIL MAP - 6993765.2S



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

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

0 1/16 1/8 1/4 Miles



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: CHIP Gridley Phase I ESA
ADDRESS: APN 010-270-121
Gridley CA 95948
LAT/LONG: 39.360953 / 121.71623

CLIENT: Broadbent & Associates, Inc.
CONTACT: Chelsea Meddings
INQUIRY #: 6993765.2s
DATE: May 24, 2022 7:22 pm

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								
<i>Lists of Federal NPL (Superfund) sites</i>								
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
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
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
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
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
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	4	NR	NR	4
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	1	0	NR	NR	1
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	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	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	1	NR	NR	NR	1
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
SWEEPS UST	0.250		1	1	NR	NR	NR	2
HIST UST	0.250		1	2	NR	NR	NR	3
CA FID UST	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
CERS TANKS	0.250		0	1	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	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	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	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
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	2	NR	NR	2
CUPA Listings	0.250		1	3	NR	NR	NR	4
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	2	NR	NR	2
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	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
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	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		0	3	13	8	0	0	24
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
NE
< 1/8
0.082 mi.
432 ft.

JOHN JAY OLDROYD
2005 JAY DR
GRIDLEY, CA 95948

SWEEPS UST
HIST UST
CUPA Listings

U001617221
N/A

Relative:
Higher
Actual:
89 ft.

SWEEPS UST:

Name: JOHN JAY OLDROYD
Address: 2005 JAY DR
City: GRIDLEY
Status: Active
Comp Number: 14880
Number: 9
Board Of Equalization: 44-001706
Referral Date: 07-01-85
Action Date: 05-11-94
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 04-000-014880-000001
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Name: JOHN JAY OLDROYD
Address: 2005 JAY DR
City: GRIDLEY
Status: Active
Comp Number: 14880
Number: 9
Board Of Equalization: 44-001706
Referral Date: 07-01-85
Action Date: 05-11-94
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 04-000-014880-000002
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

HIST UST:

Name: JOHN JAY OLDROYD
Address: 2005 JAY DRIVE
City,State,Zip: GRIDLEY, CA 95948
File Number: 000220D7
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000220D7.pdf>
Region: STATE
Facility ID: 00000014880
Facility Type: Other
Other Type: RESIDENT - MD
Contact Name: Not reported
Telephone: 8014232129

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOHN JAY OLDROYD (Continued)

U001617221

Owner Name: JOHN JAY OLDROYD
Owner Address: 4455 SO MAPLE DR.
Owner City,St,Zip: WOODLAND HILLS, UT 84653
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1980
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Pressure Test

Tank Num: 002
Container Num: 2
Year Installed: 1980
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Pressure Test

[Click here for Geo Tracker PDF:](#)

CUPA BUTTE:

Name: JOHN JAY OLDROYD
Address: 2005 JAY DR
City,State,Zip: GRIDLEY, CA 95948
Program/Element: GENERAL UST
Billing Status: INACTIVE, NON-BILLABLE
CERS ID: Not reported

2
East
1/8-1/4
0.127 mi.
672 ft.

J. DELATORRE
305 BUTTE VIEW DR
GRIDLEY, CA 95948

SWEEPS UST
HIST UST
CUPA Listings

U001617251
N/A

Relative:
Higher
Actual:
89 ft.

SWEEPS UST:
Name: J. DELATORRE
Address: 305 BUTTE VIEW DR
City: GRIDLEY
Status: Active
Comp Number: 49945
Number: 2
Board Of Equalization: Not reported
Referral Date: 12-28-88
Action Date: 05-06-94
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 04-000-049945-000001
Tank Status: A
Capacity: 500
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J. DELATORRE (Continued)

U001617251

Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:

Name: ROBERT E BRINK
Address: 305 BUTTE VIEW DR
City,State,Zip: GRIDLEY, CA 95948
File Number: 0002225D
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002225D.pdf>
Region: STATE
Facility ID: 00000049945
Facility Type: Other
Other Type: FARM
Contact Name: UNION 76
Telephone: 9168462885
Owner Name: ROBERT E. BRINK
Owner Address: 305 BUTTE VIEW DR.
Owner City,St,Zip: GRIDLEY, CA 95948
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

CUPA BUTTE:

Name: J. DELATORRE
Address: 305 BUTTE VIEW DR
City,State,Zip: GRIDLEY, CA 95948
Program/Element: GENERAL UST
Billing Status: INACTIVE, NON-BILLABLE
CERS ID: Not reported

3
WSW
1/8-1/4
0.157 mi.
830 ft.

DONALD J. MICH.
1493 LEWIS OAK RD
GRIDLEY, CA 95948

UST **U001617184**
HIST UST **N/A**

Relative:
Lower
Actual:
87 ft.

UST:
Name: DONALD J. MICH.
Address: 1493 LEWIS OAK RD
City,State,Zip: GRIDLEY, CA 95948
Facility ID: 31263
Permitting Agency: BUTTE COUNTY
CERSID: Not reported
Latitude: 39.360453
Longitude: -121.719829

HIST UST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DONALD J. MICH. (Continued)

U001617184

Name: DONALD J MICH
Address: 1493 LEWIS DALE ROAD
City,State,Zip: GRIDLEY, CA 95948
File Number: 00021FAF
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021FAF.pdf>
Region: STATE
Facility ID: 00000031263
Facility Type: Other
Other Type: FARM
Contact Name: Not reported
Telephone: 9168462659
Owner Name: DONALD J. MICH.
Owner Address: 1493 LEWIS DALE ROAD
Owner City,St,Zip: GRIDLEY, CA 95948
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1979
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 12
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

4
WNW
1/8-1/4
0.159 mi.
842 ft.

GRIDLEY-COLUSA HWY DIESEL SPILL
696 COLUSA HIGHWAY
GRIDLEY, CA 95948

CPS-SLIC **S109521393**
CERS **N/A**

Relative:
Lower

CPS-SLIC:
Name: GRIDLEY-COLUSA HWY DIESEL SPILL
Address: 696 COLUSA HIGHWAY
City,State,Zip: GRIDLEY, CA 95948
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/16/2009
Global Id: T10000000899
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5R)
Lead Agency Case Number: Not reported
Latitude: 39.3632194424128
Longitude: -121.720576286316
Case Type: Cleanup Program Site
Case Worker: RDJ
Local Agency: BUTTE COUNTY
RB Case Number: SLT5R1061
File Location: Regional Board
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Actual:
87 ft.

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRIDLEY-COLUSA HWY DIESEL SPILL (Continued)

S109521393

Name: GRIDLEY-COLUSA HWY DIESEL SPILL
Address: 696 COLUSA HIGHWAY
City,State,Zip: GRIDLEY, CA 95948
Site ID: 188360
CERS ID: T10000000899
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: RANDY JUDGE - CENTRAL VALLEY RWQCB (REGION 5R)
Entity Title: Not reported
Affiliation Address: 364 Knollcrest Drive, Suite 205
Affiliation City: REDDING
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

**A5
NNW
1/8-1/4
0.160 mi.
845 ft.**

**SANNAR RAY SHADE TREE GARAGE
1635 KOFFORD RD
GRIDLEY, CA 95948**

CUPA Listings

**S118584633
N/A**

Site 1 of 2 in cluster A

**Relative:
Lower**

CUPA BUTTE:

**Actual:
88 ft.**

Name: SANNAR RAY SHADE TREE GARAGE
Address: 1635 KOFFORD RD
City,State,Zip: GRIDLEY, CA 95948
Program/Element: HAZ WASTE GEN < THAN 100 kg/mo
Billing Status: INACTIVE, NON-BILLABLE
CERS ID: Not reported

**A6
NNW
1/8-1/4
0.160 mi.
845 ft.**

**SHADE TREE GARAGE
1635 KOFFORD RD
GRIDLEY, CA 95948**

**RCRA-SQG
FINDS
ECHO**

**1000185678
CAD982350522**

Site 2 of 2 in cluster A

**Relative:
Lower**

RCRA-SQG:

**Actual:
88 ft.**

Date Form Received by Agency: 19871021
Handler Name: SHADE TREE GARAGE
Handler Address: 1635 KOFFORD RD
Handler City,State,Zip: GRIDLEY, CA 95948
EPA ID: CAD982350522
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 1635 KOFFORD RD
Contact City,State,Zip: GRIDLEY, CA 95948
Contact Telephone: 415-555-1212
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHADE TREE GARAGE (Continued)

1000185678

Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	1
Mailing Address:	PO BOX 158
Mailing City,State,Zip:	GRIDLEY, CA 95948
Owner Name:	RAY SAHHAR
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
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 Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth 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
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHADE TREE GARAGE (Continued)

1000185678

Handler Date of Last Change:	20020627
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RAY SAHHAR
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19871021
Handler Name:	SHADE TREE GARAGE
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
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:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHADE TREE GARAGE (Continued)

1000185678

Evaluation Action Summary:

Evaluations:

No Evaluations Found

FINDS:

Registry ID: 110002799605

Click Here:

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000185678
Registry ID: 110002799605
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002799605>
Name: SHADE TREE GARAGE
Address: 1635 KOFFORD RD
City,State,Zip: GRIDLEY, CA 95948

**B7
WNW
1/8-1/4
0.203 mi.
1070 ft.**

**BEN TOILET RENTALS INC
720 COLUSA HWY
GRIDLEY, CA 95948**

RCRA NonGen / NLR

**1024802798
CAL000249435**

Site 1 of 4 in cluster B

**Relative:
Lower**

RCRA NonGen / NLR:

**Actual:
87 ft.**

Date Form Received by Agency: 20020405
Handler Name: BEN TOILET RENTALS INC
Handler Address: 720 COLUSA HWY
Handler City,State,Zip: GRIDLEY, CA 95948
EPA ID: CAL000249435
Contact Name: BILL KARJCIRIK
Contact Address: 720 COLUSA HWY
Contact City,State,Zip: GRIDLEY, CA 95948
Contact Telephone: 530-846-4110
Contact Fax: 530-846-4827
Contact Email: ROSA@BENTOILETRENTALS.COM
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: Handler Activities

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

1024802798

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 1198
Mailing City,State,Zip:	GRIDLEY, CA 95948-0000
Owner Name:	BEN TOILET RENTALS INC
Owner Type:	Other
Operator Name:	BILL KARJCIRIK
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:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth 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
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
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:	20180905
Recognized Trader-Importer:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

1024802798

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:	BEN TOILET RENTALS INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 1198
Owner/Operator City,State,Zip:	GRIDLEY, CA 95948-0000
Owner/Operator Telephone:	530-846-4110
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BILL KARJCIRIK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	720 COLUSA HWY
Owner/Operator City,State,Zip:	GRIDLEY, CA 95948
Owner/Operator Telephone:	530-846-4110
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020405
Handler Name:	BEN TOILET RENTALS INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
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:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	53221
NAICS Description:	CONSUMER ELECTRONICS AND APPLIANCES RENTAL

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

1024802798

Evaluation Action Summary:
Evaluations:

No Evaluations Found

**B8
WNW
1/8-1/4
0.203 mi.
1070 ft.**

**BEN'S TOILET RENTALS INC
720 COLUSA HWY
GRIDLEY, CA 95948**

CUPA Listings

**S110818500
N/A**

Site 2 of 4 in cluster B

**Relative:
Lower
Actual:
87 ft.**

CUPA BUTTE:

Name: BEN'S TOILET RENTALS INC
Address: 720 COLUSA HWY
City,State,Zip: GRIDLEY, CA 95948
Program/Element: 1320-10,000g QUALIFIED (NON ENGINEERED) SPCC
Billing Status: ACTIVE, BILLABLE
CERS ID: 10277125

Name: BEN'S TOILET RENTALS INC
Address: 720 COLUSA HWY
City,State,Zip: GRIDLEY, CA 95948
Program/Element: B2 - RANGE 1 - 550 - 5,500 GALLONS
Billing Status: ACTIVE, BILLABLE
CERS ID: 10277125

Name: BEN'S TOILET RENTALS INC
Address: 720 COLUSA HWY
City,State,Zip: GRIDLEY, CA 95948
Program/Element: HAZ WASTE GEN < THAN 100 kg/mo
Billing Status: ACTIVE, BILLABLE
CERS ID: 10277125

**B9
WNW
1/8-1/4
0.203 mi.
1070 ft.**

**BEN TOILET RENTALS INC
720 COLUSA HWY
GRIDLEY, CA 95948**

AST

**A100417616
N/A**

Site 3 of 4 in cluster B

**Relative:
Lower
Actual:
87 ft.**

AST:

Name: BEN TOILET RENTALS INC
Address: 720 COLUSA HWY
City/Zip: GRIDLEY, 95948
Certified Unified Program Agencies: Not reported
Owner: Jason Hammons
Total Gallons: Not reported
CERSID: 10277125
Facility ID: Not reported
Business Name: BEN'S TOILET RENTALS INC
Phone: (530) 846-4110
Fax: 530-846-4827
Mailing Address: PO BOX 1198
Mailing Address City: GRIDLEY
Mailing Address State: CA
Mailing Address Zip Code: 95948
Operator Name: Jason Hammons
Operator Phone: 530-846-41110

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

A100417616

Owner Phone: 530-846-4110
Owner Mail Address: PO Box 1198
Owner State: CA
Owner Zip Code: 95948
Owner Country: United States
Property Owner Name: Jason Hammons
Property Owner Phone: 530-846-4110
Property Owner Mailing Address: 720 COLUSA Hwy
Property Owner City: GRIDLEY
Property Owner Stat : CA
Property Owner Zip Code: 95948
Property Owner Country: United States
EPAID: 249435

**B10
WNW
1/8-1/4
0.203 mi.
1070 ft.**

**BEN TOILET RENTALS INC
720 COLUSA HWY
GRIDLEY, CA 95948

Site 4 of 4 in cluster B**

**CERS HAZ WASTE
CERS TANKS
CERS
HWTS**

**S121771478
N/A**

**Relative:
Lower

Actual:
87 ft.**

CERS HAZ WASTE:
Name: BEN TOILET RENTALS INC
Address: 720 COLUSA HWY
City,State,Zip: GRIDLEY, CA 95948
Site ID: 387730
CERS ID: 10277125
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: BEN TOILET RENTALS INC
Address: 720 COLUSA HWY
City,State,Zip: GRIDLEY, CA 95948
Site ID: 387730
CERS ID: 10277125
CERS Description: Aboveground Petroleum Storage

CERS:
Name: BEN TOILET RENTALS INC
Address: 720 COLUSA HWY
City,State,Zip: GRIDLEY, CA 95948
Site ID: 387730
CERS ID: 10277125
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 01-08-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67,
Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/13/2015.
Violation Division: Butte County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 387730

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Site Name:	BEN TOILET RENTALS INC
Violation Date:	01-08-2015
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes:	Returned to compliance on 03/13/2015.
Violation Division:	Butte County Environmental Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	387730
Site Name:	BEN TOILET RENTALS INC
Violation Date:	01-08-2015
Citation:	40 CFR 1 265.201(c)(5) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(c)(5)
Violation Description:	Failure to conduct weekly inspections of the construction materials, fixtures, and surrounding areas of the hazardous waste tanks.
Violation Notes:	Returned to compliance on 02/09/2015.
Violation Division:	Butte County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	387730
Site Name:	BEN TOILET RENTALS INC
Violation Date:	01-08-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 01/21/2015.
Violation Division:	Butte County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	387730
Site Name:	BEN TOILET RENTALS INC
Violation Date:	08-23-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.
Violation Notes:	Returned to compliance on 10/06/2017. OBSERVATIONS: Waste oil tank and 2 x 275 gallon motor oil totes are not within secondary containment. CORRECTIVE ACTION: Provide secondary containment for all single walled containers.
Violation Division:	Butte County Environmental Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	387730
Site Name:	BEN TOILET RENTALS INC
Violation Date:	01-08-2015
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Violation Description: 6.95, Section(s) 25505(a)(4)
Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violation Notes: Returned to compliance on 02/09/2015.

Violation Division: Butte County Environmental Health

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: 40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33

Violation Description: Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.

Violation Notes: Returned to compliance on 02/09/2015.

Violation Division: Butte County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130

Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.

Violation Notes: Returned to compliance on 02/09/2015.

Violation Division: Butte County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: 22 CCR 16 66266.81(a)(3) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(a)(3)

Violation Description: Failure to meet hazardous waste requirements while operating a spent lead-acid storage batteries in exchange or partial exchange for operable lead-acid storage batteries by either: 1) Storing more than one ton of spent batteries at any one location for more than 180 days. 2) Storing one ton or less of spent batteries at any one location for more than one year, or 3) Removing the electrolyte.

Violation Notes: Returned to compliance on 02/09/2015.

Violation Division: Butte County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to establish and electronically submit an adequate training

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

program in safety procedures in the event of a release or threatened release of a hazardous material.
Returned to compliance on 02/09/2015.

Violation Notes:
Violation Division: Butte County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 08-23-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violation Notes: Returned to compliance on 10/06/2017. OBSERVATIONS: Business is not documenting annually required training. CORRECTIVE ACTION: Conduct and document the required Hazardous Materials Business Program training; continue documenting such training on an annual basis.

Violation Division: Butte County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 01-08-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain SPCC plan onsite (applies if facility is manned at least four (4) hours per day).

Violation Notes: Returned to compliance on 03/13/2015.

Violation Division: Butte County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 08-23-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violation Notes: Returned to compliance on 08/23/2017. OBSERVATIONS: Previous electronic submittal completed in 2015. CORRECTIVE ACTION: Ensure to resubmit all Hazardous Materials Business Plan (HMBP) forms to California Environmental Reporting System (CERS) at the minimum annually. Corrected on site.

Violation Division: Butte County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 01-08-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Violation Description: Section(s) 25508(d)
Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 01/21/2015.

Violation Division: Butte County Environmental Health

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31

Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..

Violation Notes: Returned to compliance on 02/09/2015.

Violation Division: Butte County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: 22 CCR 12 66262.40(c) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(c)

Violation Description: Failure to determine if the waste generated is a hazardous waste and to maintain analysis results for three years.

Violation Notes: Returned to compliance on 02/09/2015.

Violation Division: Butte County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violation Notes: Returned to compliance on 01/21/2015.

Violation Division: Butte County Environmental Health

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: 40 CFR 1 265.201(c)(3) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(c)(3)

Violation Description: Failure to conduct daily tank inspection of the discharge systems, monitoring equipment, and tank levels.

Violation Notes: Returned to compliance on 02/09/2015.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Violation Division: Butte County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 01-08-2015
Citation: 40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Description: Failure of the facility to maintain the following emergency equipment or equivalents: 1) An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel; 2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams; 3) Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals), spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.

Violation Notes: Returned to compliance on 02/09/2015.
Violation Division: Butte County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 01-08-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.

Violation Notes: Returned to compliance on 01/21/2015.
Violation Division: Butte County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 01-08-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violation Notes: Returned to compliance on 01/21/2015.
Violation Division: Butte County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 01-08-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Returned to compliance on 02/09/2015.

Violation Notes:
Violation Division: Butte County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 08-23-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.

Violation Notes: Returned to compliance on 10/06/2017. OBSERVATIONS: Business has not been completing required monthly/annual inspections of the aboveground containers. CORRECTIVE ACTION: Complete and document appropriate monthly/annual inspections of the aboveground storage tanks.

Violation Division: Butte County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 01-08-2015
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)

Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.

Violation Notes: Returned to compliance on 01/21/2015.
Violation Division: Butte County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 08-23-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to use drain valves in diked storage areas that are manual, open-and-closed design (not flapper-type drain valves).

Violation Notes: Returned to compliance on 08/23/2017. OBSERVATIONS: Release valve for the 1000 gallon and 200 gallon gasoline aboveground storage tanks is non operational and is in the empty position. CORRECTIVE ACTION: Operator to ensure release valve is functioning appropriately and is in the closed position when not discharging. Corrected on site.

Violation Division: Butte County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 08-23-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to include in the SPCC plan and document discharge prevention briefings for oil-handling personnel at least once a year, including, but not limited to, known discharges, failures, and malfunctioning components.
Violation Notes: Returned to compliance on 10/06/2017. OBSERVATIONS: Business has not been conducting or documenting annual spill prevention briefings. CORRECTIVE ACTION: Schedule and complete the required spill prevention briefing for all appropriate staff and annually thereafter.
Violation Division: Butte County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 08-23-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 10/06/2017. OBSERVATIONS: Hazardous waste non recyclable filters do not have an appropriate hazardous waste label. Aboveground Diesel tank, 55 gallon Dairy Brite and 55 gallon Scale X drums were not labeled with the contents of each container. CORRECTIVE ACTION: Ensure that all containers are labeled with the contents and that any hazardous waste container is labeled with appropriate hazardous waste language.
Violation Division: Butte County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 08-23-2017
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/23/2017. OBSERVATIONS: Business could not provide a copy of the Spill Prevention Control and Countermeasure SPCC Plan. CORRECTIVE ACTION: Ensure a signed copy of the SPCC Plan is on site and that the SPCC plan is implemented. Completed a new TIER I template plan on this date. Corrected on site.
Violation Division: Butte County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Violation Date: 01-08-2015
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Violation Description: 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.

Violation Notes: Returned to compliance on 02/09/2015.

Violation Division: Butte County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 08-23-2017

Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12

Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.

Violation Notes: Returned to compliance on 08/23/2017. OBSERVATIONS: Facility EPA ID number is inactive. CORRECTIVE ACTION: Maintain an active EPA ID number when routinely generating hazardous waste. Operator applied for a reactivation of facility's EPA ID number on this date. Corrected on site.

Violation Division: Butte County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)

Violation Description: Failure to post, next to the telephone, Emergency Information (SQG) containing the location of emergency equipment, contact names and numbers.

Violation Notes: Returned to compliance on 02/09/2015.

Violation Division: Butte County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174

Violation Description: Failure to inspect hazardous waste storage areas at least weekly.

Violation Notes: Returned to compliance on 02/09/2015.

Violation Division: Butte County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 387730

Site Name: BEN TOILET RENTALS INC

Violation Date: 01-08-2015

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Violation Notes: Returned to compliance on 01/21/2015.
Violation Division: Butte County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Butte County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Butte County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-23-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct the Aboveground Petroleum Storage Act (APSA) Program inspection. Consent to perform the inspection, review documents, copy documents, take photos or collect samples provided by Rosa Mower at 9 AM on 8/23/2017. No photographs, copied documents or samples were obtained during this inspection.

Eval Division: Butte County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-23-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct the Hazardous Materials Business Plan (HMBP) Program inspection. Property owner operates the business. Consent to perform the inspection, review documents, copy documents, take photos or collect samples provided by Rosa Mower at 9 AM on 8/23/2017. No photographs, copied documents or samples were obtained during this inspection.

Eval Division: Butte County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-23-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct the Hazardous Waste Generator (HWG) Program inspection. Reviewed the DTSC EPA ID profile. Reviewed hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

disposal records; business is a Small Quantity Generator (SQG). Business generates waste oil, oily solids and drained used oil filters. Hazardous waste hauler is World Oil. Business generates <220 lbs of universal waste per month. Reviewed aerosol can management requirements with operator. Aramark manages oily rags at this location. Consent to perform the inspection, review documents, copy documents, take photos or collect samples provided by Rosa Mower at 9 AM on 8/23/2017. No photographs, copied documents or samples were obtained during this inspection.

Eval Division: Butte County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Butte County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Enforcement Action:

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Site Address: 720 COLUSA HWY
Site City: GRIDLEY
Site Zip: 95948
Enf Action Date: 01-08-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Butte County Environmental Health
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Site Address: 720 COLUSA HWY
Site City: GRIDLEY
Site Zip: 95948
Enf Action Date: 01-08-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Butte County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Site Address: 720 COLUSA HWY
Site City: GRIDLEY
Site Zip: 95948
Enf Action Date: 01-08-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Enf Action Notes: Not reported
Enf Action Division: Butte County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Site Address: 720 COLUSA HWY
Site City: GRIDLEY
Site Zip: 95948
Enf Action Date: 08-23-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Butte County Environmental Health
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Site Address: 720 COLUSA HWY
Site City: GRIDLEY
Site Zip: 95948
Enf Action Date: 08-23-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Butte County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 387730
Site Name: BEN TOILET RENTALS INC
Site Address: 720 COLUSA HWY
Site City: GRIDLEY
Site Zip: 95948
Enf Action Date: 08-23-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Butte County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 387730
Facility Name: BEN TOILET RENTALS INC
Env Int Type Code: APSA
Program ID: 10277125
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 39.363940
Longitude: -121.721600

Affiliation:
Affiliation Type Desc: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Entity Name: Jason Hammons
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (530) 846-4110,

Affiliation Type Desc: Property Owner
Entity Name: Jason Hammons
Entity Title: Not reported
Affiliation Address: 720 COLUSA Hwy
Affiliation City: GRIDLEY
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95948
Affiliation Phone: (530) 846-4110,

Affiliation Type Desc: Identification Signer
Entity Name: Rosa Mower
Entity Title: Office Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Jason Hammons
Entity Title: Not reported
Affiliation Address: PO Box 1198
Affiliation City: GRIDLEY
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95948
Affiliation Phone: (530) 846-4110,

Affiliation Type Desc: Parent Corporation
Entity Name: BEN'S TOILET RENTALS INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Rosa Mower
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO BOX 1198
Affiliation City: GRIDLEY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95948
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Butte County Environmental Health
Entity Title: Not reported
Affiliation Address: 202 Mira Loma Drive
Affiliation City: Oroville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95965
Affiliation Phone: (530) 538-7281,

Affiliation Type Desc: Environmental Contact
Entity Name: Rosa Mower
Entity Title: Not reported
Affiliation Address: 720 COLUSA Hwy
Affiliation City: GRIDLEY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95948
Affiliation Phone: ,

HWTS:

Name: BEN TOILET RENTALS INC
Address: 720 COLUSA HWY
Address 2: Not reported
City,State,Zip: GRIDLEY, CA 95948
EPA ID: CAL000249435
Inactive Date: 06/30/2020
Create Date: 04/05/2002
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 1198
Mailing Address 2: Not reported
Mailing City,State,Zip: GRIDLEY, CA 959480000
Owner Name: BEN TOILET RENTALS INC
Owner Address: PO BOX 1198
Owner Address 2: Not reported
Owner City,State,Zip: GRIDLEY, CA 959480000
Contact Name: BILL KARJCIRIK
Contact Address: 720 COLUSA HWY
Contact Address 2: Not reported
City,State,Zip: GRIDLEY, CA 95948
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEN TOILET RENTALS INC (Continued)

S121771478

Latitude: 39.363005
Longitude: -121.720456
NAICS:
EPA ID: CAL000249435
Create Date: 2002-04-05 14:37:44.873
NAICS Code: 53221
NAICS Description: Consumer Electronics and Appliances Rental
Issued EPA ID Date: 2002-04-05 14:37:44.87300
Inactive Date: 2020-06-30 00:00:00
Facility Name: BEN TOILET RENTALS INC
Facility Address: 720 COLUSA HWY
Facility Address 2: Not reported
Facility City: GRIDLEY
Facility County: Not reported
Facility State: CA
Facility Zip: 95948

11
West
1/4-1/2
0.251 mi.
1326 ft.

PRIVATE RESIDENCE
PRIVATE RESIDENCE
GRIDLEY, CA 95948

LUST S110653976
N/A

Relative:
Lower

Actual:
87 ft.

LUST:
Name: PRIVATE RESIDENCE
Address: PRIVATE RESIDENCE
City,State,Zip: GRIDLEY, CA 95948
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5R)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600700111
Global Id: T0600700111
Latitude: 39.361797
Longitude: -121.723141
Status: Completed - Case Closed
Status Date: 02/14/1997
Case Worker: Not reported
RB Case Number: 040116
Local Agency: BUTTE COUNTY
File Location: Archived
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0600700111
Contact Type: Local Agency Caseworker
Contact Name: LESLIE ROBERTS
Organization Name: BUTTE COUNTY
Address: 411 MAIN STREET
City: CHICO
Email: lroberts@buttecounty.net
Phone Number: 5308912727

Global Id: T0600700111
Contact Type: Regional Board Caseworker
Contact Name: RECEPTIONIST, REGION 5 REDDING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIVATE RESIDENCE (Continued)

S110653976

Organization Name: CENTRAL VALLEY RWQCB (REGION 5R)
Address: 364 Knollcrest Drive, Suite 205
City: REDDING
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0600700111
Action Type: Other
Date: 05/23/1994
Action: Leak Discovery

Global Id: T0600700111
Action Type: REMEDIATION
Date: 05/20/1994
Action: Excavation

Global Id: T0600700111
Action Type: ENFORCEMENT
Date: 02/14/1997
Action: Closure/No Further Action Letter

Global Id: T0600700111
Action Type: Other
Date: 06/10/1994
Action: Leak Reported

Global Id: T0600700111
Action Type: Other
Date: 05/20/1994
Action: Leak Stopped

LUST:

Global Id: T0600700111
Status: Open - Case Begin Date
Status Date: 05/20/1994

Global Id: T0600700111
Status: Open - Site Assessment
Status Date: 05/23/1994

Global Id: T0600700111
Status: Open - Site Assessment
Status Date: 06/29/1995

Global Id: T0600700111
Status: Open - Site Assessment
Status Date: 04/22/1996

Global Id: T0600700111
Status: Open - Site Assessment
Status Date: 05/13/1996

Global Id: T0600700111
Status: Open - Verification Monitoring
Status Date: 09/17/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIVATE RESIDENCE (Continued)

S110653976

Global Id: T0600700111
Status: Completed - Case Closed
Status Date: 02/14/1997

12
West
1/4-1/2
0.363 mi.
1918 ft.

BARTSCHI RANCH
1534 BLOCK ROAD
GRIDLEY, CA 95948

LUST
HIST UST
HIST CORTESE

S102424983
N/A

Relative:
Lower

Actual:
86 ft.

LUST REG 5:

Name: BARTSCHI RESIDENCE
Address: 1534 BLOCK RD
City: GRIDLEY
Region: 5
Status: Case Closed
Case Number: 040116
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: KLC
Lead Agency: Regional
Program: LUST
MTBE Code: 1

HIST UST:

Name: BARTSCHI RANCH
Address: 1534 BLOCK ROAD
City,State,Zip: GRIDLEY, CA 95948
File Number: 0002220F
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002220F.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:

HIST CORTESE:

edr_fname: BARTSCHI RESIDENCE
edr_fadd1: 1534 BLOCK
City,State,Zip: GRIDLEY, CA 95948

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARTSCHI RANCH (Continued)

S102424983

Region: CORTESE
Facility County Code: 4
Reg By: LTNKA
Reg Id: 040116

13
ENE
1/4-1/2
0.412 mi.
2176 ft.

A.D RICHINS
1619 W. BIGGS GRIDLEY HWY
GRIDLEY, CA 95948

LUST
Cortese
CUPA Listings
CERS

S105911345
N/A

Relative:
Higher

Actual:
90 ft.

LUST:

Name: A.D RICHINS
Address: 1619 W. BIGGS GRIDLEY HWY
City,State,Zip: GRIDLEY, CA 95948
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5R)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600742021
Global Id: T0600742021
Latitude: 39.36349006
Longitude: -121.7067625
Status: Completed - Case Closed
Status Date: 12/18/2012
Case Worker: EJR
RB Case Number: 040260
Local Agency: BUTTE COUNTY
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

LUST:

Global Id: T0600742021
Contact Type: Local Agency Caseworker
Contact Name: LESLIE ROBERTS
Organization Name: BUTTE COUNTY
Address: 411 MAIN STREET
City: CHICO
Email: lroberts@buttecounty.net
Phone Number: 5308912727

Global Id: T0600742021
Contact Type: Regional Board Caseworker
Contact Name: ERIC RAPPORT
Organization Name: CENTRAL VALLEY RWQCB (REGION 5R)
Address: 364 Knollcrest Drive, Suite 205
City: REDDING
Email: eric.rapport@waterboards.ca.gov
Phone Number: 5302244998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A.D RICHINS (Continued)

S105911345

LUST:

Global Id:	T0600742021
Action Type:	RESPONSE
Date:	11/18/2005
Action:	Soil and Water Investigation Report
Global Id:	T0600742021
Action Type:	RESPONSE
Date:	04/30/2004
Action:	Soil and Water Investigation Workplan
Global Id:	T0600742021
Action Type:	RESPONSE
Date:	07/23/2004
Action:	Interim Remedial Action Plan
Global Id:	T0600742021
Action Type:	RESPONSE
Date:	04/30/2004
Action:	Sensitive Receptor Survey Report
Global Id:	T0600742021
Action Type:	ENFORCEMENT
Date:	05/17/2004
Action:	Staff Letter
Global Id:	T0600742021
Action Type:	ENFORCEMENT
Date:	03/15/2004
Action:	Staff Letter
Global Id:	T0600742021
Action Type:	ENFORCEMENT
Date:	10/04/2005
Action:	Staff Letter
Global Id:	T0600742021
Action Type:	ENFORCEMENT
Date:	12/17/2012
Action:	Closure/No Further Action Letter
Global Id:	T0600742021
Action Type:	Other
Date:	11/15/2002
Action:	Leak Discovery
Global Id:	T0600742021
Action Type:	REMEDIATION
Date:	11/15/2002
Action:	Excavation
Global Id:	T0600742021
Action Type:	RESPONSE
Date:	10/22/2012
Action:	Other Report / Document
Global Id:	T0600742021

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A.D RICHINS (Continued)

S105911345

Action Type:	Other
Date:	11/15/2002
Action:	Leak Reported
Global Id:	T0600742021
Action Type:	RESPONSE
Date:	11/18/2005
Action:	Sensitive Receptor Survey Report
Global Id:	T0600742021
Action Type:	RESPONSE
Date:	11/18/2005
Action:	Soil and Water Investigation Report
Global Id:	T0600742021
Action Type:	RESPONSE
Date:	11/18/2005
Action:	Sensitive Receptor Survey Report
Global Id:	T0600742021
Action Type:	ENFORCEMENT
Date:	10/12/2012
Action:	Notification - Public Notice of Case Closure
Global Id:	T0600742021
Action Type:	Other
Date:	11/15/2002
Action:	Leak Stopped

LUST:

Global Id:	T0600742021
Status:	Open - Case Begin Date
Status Date:	11/15/2002
Global Id:	T0600742021
Status:	Open - Site Assessment
Status Date:	11/15/2002
Global Id:	T0600742021
Status:	Open - Site Assessment
Status Date:	02/27/2004
Global Id:	T0600742021
Status:	Open - Site Assessment
Status Date:	05/05/2004
Global Id:	T0600742021
Status:	Open - Site Assessment
Status Date:	09/14/2009
Global Id:	T0600742021
Status:	Completed - Case Closed
Status Date:	12/17/2012
Global Id:	T0600742021
Status:	Completed - Case Closed
Status Date:	12/18/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A.D RICHINS (Continued)

S105911345

Global Id: T0600742021
Status: Open - Eligible for Closure
Status Date: 12/18/2012

LUST REG 5:

Name: A.D RICHINS
Address: 1619 W. BIGGS GRIDLEY HWY
City: GRIDLEY
Region: 5
Status: Pollution Characterization
Case Number: 040260
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: RDJ
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

CORTESE:

Name: A.D RICHINS
Address: 1619 W. BIGGS GRIDLEY HWY
City,State,Zip: GRIDLEY, CA 95948
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0600742021
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CUPA BUTTE:

Name: ALVIN D RICHINS
Address: 1619 W BIGGS RD
City,State,Zip: GRIDLEY, CA 95948
Program/Element: GENERAL UST
Billing Status: INACTIVE, NON-BILLABLE
CERS ID: Not reported

CERS:

Name: A.D RICHINS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A.D RICHINS (Continued)

S105911345

Address: 1619 W. BIGGS GRIDLEY HWY
City,State,Zip: GRIDLEY, CA 95948
Site ID: 244287
CERS ID: T0600742021
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LESLIE ROBERTS - BUTTE COUNTY
Entity Title: Not reported
Affiliation Address: 411 MAIN STREET
Affiliation City: CHICO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5308912727,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ERIC RAPPORT - CENTRAL VALLEY RWQCB (REGION 5R)
Entity Title: Not reported
Affiliation Address: 364 Knollcrest Drive, Suite 205
Affiliation City: REDDING
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5302244998,

**14
SE
1/4-1/2
0.456 mi.
2410 ft.**

**RICHEMS FARM
420 LITTLE
GRIDLEY, CA 95948**

**LUST
Cortese
HIST CORTESE
CERS**

**S101293974
N/A**

**Relative:
Higher
Actual:
90 ft.**

LUST:

Name: RICHEMS FARM
Address: 420 LITTLE AVE
City,State,Zip: GRIDLEY, CA 95948
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5R)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600700091
Global Id: T0600700091
Latitude: 39.3555455
Longitude: -121.7095486
Status: Completed - Case Closed
Status Date: 11/06/1997
Case Worker: Not reported
RB Case Number: 040096
Local Agency: BUTTE COUNTY
File Location: Archived
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0600700091
Contact Type: Local Agency Caseworker
Contact Name: LESLIE ROBERTS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RICHENS FARM (Continued)

S101293974

Organization Name: BUTTE COUNTY
Address: 411 MAIN STREET
City: CHICO
Email: lroberts@buttecounty.net
Phone Number: 5308912727

Global Id: T0600700091
Contact Type: Regional Board Caseworker
Contact Name: RECEPTIONIST, REGION 5 REDDING
Organization Name: CENTRAL VALLEY RWQCB (REGION 5R)
Address: 364 Knollcrest Drive, Suite 205
City: REDDING
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0600700091
Action Type: Other
Date: 03/30/1993
Action: Leak Discovery

Global Id: T0600700091
Action Type: ENFORCEMENT
Date: 11/06/1997
Action: Closure/No Further Action Letter

Global Id: T0600700091
Action Type: Other
Date: 03/31/1993
Action: Leak Reported

Global Id: T0600700091
Action Type: Other
Date: 01/25/1992
Action: Leak Stopped

LUST:

Global Id: T0600700091
Status: Open - Case Begin Date
Status Date: 01/25/1992

Global Id: T0600700091
Status: Open - Site Assessment
Status Date: 02/25/1993

Global Id: T0600700091
Status: Open - Site Assessment
Status Date: 03/30/1993

Global Id: T0600700091
Status: Open - Site Assessment
Status Date: 05/04/1994

Global Id: T0600700091
Status: Open - Site Assessment
Status Date: 03/07/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RICHENS FARM (Continued)

S101293974

Global Id: T0600700091
Status: Open - Verification Monitoring
Status Date: 05/09/1997

Global Id: T0600700091
Status: Completed - Case Closed
Status Date: 11/06/1997

LUST REG 5:

Name: RICHENS FARM
Address: 420 LITTLE AVE
City: GRIDLEY
Region: 5
Status: Case Closed
Case Number: 040096
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: KLC
Lead Agency: Regional
Program: LUST
MTBE Code: 1

CORTESE:

Name: RICHENS FARM
Address: 420 LITTLE AVE
City,State,Zip: GRIDLEY, CA 95948
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0600700091
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: RICHENS FARM
edr_fadd1: 420 LITTLE
City,State,Zip: GRIDLEY, CA 95948
Region: CORTESE
Facility County Code: 4
Reg By: LTNKA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RICHENS FARM (Continued)

S101293974

Reg Id: 040096

CERS:

Name: RICHENS FARM
Address: 420 LITTLE AVE
City,State,Zip: GRIDLEY, CA 95948
Site ID: 236682
CERS ID: 252619
CERS Description: Tanks & Ground Water Clean Up

Violations:

Site ID: 236682
Site Name: RICHENS FARM
Violation Date: 03-27-1995
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FAILURE TO SUBMIT WORK PLAN AND PROBLEM ASSESSMENT REPORT.
Violation Division: Water Boards
Violation Program: UST
Violation Source: CIWQS,

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LESLIE ROBERTS - BUTTE COUNTY
Entity Title: Not reported
Affiliation Address: 411 MAIN STREET
Affiliation City: CHICO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5308912727,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: RECEPTIONIST, REGION 5 REDDING - CENTRAL VALLEY RWQCB (REGION 5R)
Entity Title: Not reported
Affiliation Address: 364 Knollcrest Drive, Suite 205
Affiliation City: REDDING
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: RICHENS FARM
Address: 420 LITTLE AVE
City,State,Zip: GRIDLEY, CA 95948
Site ID: 236682
CERS ID: T0600700091
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:

Site ID: 236682
Site Name: RICHENS FARM
Violation Date: 03-27-1995
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FAILURE TO SUBMIT WORK PLAN AND PROBLEM ASSESSMENT REPORT.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RICHENS FARM (Continued)

S101293974

Violation Division: Water Boards
Violation Program: UST
Violation Source: CIWQS,

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LESLIE ROBERTS - BUTTE COUNTY
Entity Title: Not reported
Affiliation Address: 411 MAIN STREET
Affiliation City: CHICO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5308912727,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: RECEPTIONIST, REGION 5 REDDING - CENTRAL VALLEY RWQCB (REGION 5R)
Entity Title: Not reported
Affiliation Address: 364 Knollcrest Drive, Suite 205
Affiliation City: REDDING
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: N/A
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/11/2022
	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: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: N/A
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/11/2022
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 07/11/2022
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: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
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 known 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: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: 800-424-9346
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/25/2022
	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: 02/28/2022	Source: EPA
Date Data Arrived at EDR: 03/02/2022	Telephone: 800-424-9346
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	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: 02/08/2022	Source: Department of the Navy
Date Data Arrived at EDR: 02/11/2022	Telephone: 843-820-7326
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/22/2022
	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: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 02/23/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 06/06/2022
	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: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 02/23/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 06/06/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2021

Date Data Arrived at EDR: 03/01/2022

Date Made Active in Reports: 03/10/2022

Number of Days to Update: 9

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/22/2022

Next Scheduled EDR Contact: 07/04/2022

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: 01/24/2022

Date Data Arrived at EDR: 01/25/2022

Date Made Active in Reports: 04/13/2022

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/26/2022

Next Scheduled EDR Contact: 08/08/2022

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 identifies 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: 01/24/2022

Date Data Arrived at EDR: 01/25/2022

Date Made Active in Reports: 04/13/2022

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/26/2022

Next Scheduled EDR Contact: 08/08/2022

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 inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/07/2022

Date Data Arrived at EDR: 02/08/2022

Date Made Active in Reports: 05/05/2022

Number of Days to Update: 86

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/09/2022

Next Scheduled EDR Contact: 08/22/2022

Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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 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

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 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

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 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 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

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/06/2021

Date Data Arrived at EDR: 12/07/2021

Date Made Active in Reports: 02/23/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028

Last EDR Contact: 05/23/2022

Next Scheduled EDR Contact: 06/20/2022

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/01/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/07/2021	Telephone: 916-327-7844
Date Made Active in Reports: 03/02/2022	Last EDR Contact: 03/08/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/06/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/07/2021	Telephone: 866-480-1028
Date Made Active in Reports: 02/23/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/06/2021	Source: SWRCB
Date Data Arrived at EDR: 12/07/2021	Telephone: 916-341-5851
Date Made Active in Reports: 02/23/2022	Last EDR Contact: 03/08/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 03/10/2022
Number of Days to Update: 69	Next Scheduled EDR Contact: 06/27/2022
	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: 05/28/2021	Source: EPA Region 4
Date Data Arrived at EDR: 06/22/2021	Telephone: 404-562-9424
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 04/21/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 08/01/2022
	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: 10/12/2021	Source: EPA Region 6
Date Data Arrived at EDR: 11/15/2021	Telephone: 214-665-7591
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/06/2021	Source: EPA Region 5
Date Data Arrived at EDR: 06/11/2021	Telephone: 312-886-6136
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 04/21/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/01/2022
	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: 10/12/2021	Source: EPA Region 10
Date Data Arrived at EDR: 11/15/2021	Telephone: 206-553-2857
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	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: 10/12/2021	Source: EPA Region 7
Date Data Arrived at EDR: 11/15/2021	Telephone: 913-551-7003
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	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: 10/12/2021	Source: EPA Region 8
Date Data Arrived at EDR: 11/15/2021	Telephone: 303-312-6137
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	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: 10/12/2021	Source: EPA Region 9
Date Data Arrived at EDR: 11/15/2021	Telephone: 415-972-3368
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	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: 10/14/2021	Source: EPA, Region 1
Date Data Arrived at EDR: 11/15/2021	Telephone: 617-918-1313
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	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: 01/24/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/25/2022	Telephone: 916-323-3400
Date Made Active in Reports: 04/13/2022	Last EDR Contact: 04/26/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 08/08/2022
	Data Release Frequency: Quarterly

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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/16/2022
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfields 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: 12/15/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/16/2021	Telephone: 916-323-7905
Date Made Active in Reports: 03/03/2022	Last EDR Contact: 03/21/2022
Number of Days to Update: 77	Next Scheduled EDR Contact: 07/04/2022
	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: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/10/2022	Telephone: 202-566-2777
Date Made Active in Reports: 03/10/2022	Last EDR Contact: 03/15/2022
Number of Days to Update: 0	Next Scheduled EDR Contact: 06/27/2022
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 12

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 08/22/2022
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: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

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: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: No Update Planned

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
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: 02/22/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
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: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
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: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/18/2022	Source: CalEPA
Date Data Arrived at EDR: 01/19/2022	Telephone: 916-323-2514
Date Made Active in Reports: 04/11/2022	Last EDR Contact: 04/19/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Quarterly

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: 02/22/2022	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/23/2022	Telephone: 202-307-1000
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 02/23/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/06/2022
	Data Release Frequency: Quarterly

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: 02/20/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/10/2021	Telephone: 916-341-5455
Date Made Active in Reports: 02/25/2022	Last EDR Contact: 03/11/2022
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/20/2022
	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: 12/06/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/07/2021	Telephone: 866-480-1028
Date Made Active in Reports: 02/23/2022	Last EDR Contact: 03/08/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Varies

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

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

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: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

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: 02/24/2022
Date Data Arrived at EDR: 02/25/2022
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
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: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/30/2021	Source: DTSC and SWRCB
Date Data Arrived at EDR: 11/30/2021	Telephone: 916-323-3400
Date Made Active in Reports: 02/16/2022	Last EDR Contact: 02/28/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/13/2022
	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: 12/15/2021	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/16/2021	Telephone: 202-366-4555
Date Made Active in Reports: 03/10/2022	Last EDR Contact: 03/21/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 07/04/2022
	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: 12/31/2021	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/19/2022	Telephone: 916-845-8400
Date Made Active in Reports: 04/08/2022	Last EDR Contact: 04/19/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 08/01/2022
	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: 12/06/2021	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/07/2021	Telephone: 866-480-1028
Date Made Active in Reports: 02/23/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	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: 12/06/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/07/2021	Telephone: 866-480-1028
Date Made Active in Reports: 02/23/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/28/2022

Date Data Arrived at EDR: 03/02/2022

Date Made Active in Reports: 03/17/2022

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: (415) 495-8895

Last EDR Contact: 04/06/2022

Next Scheduled EDR Contact: 07/04/2022

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: 12/01/2021

Date Data Arrived at EDR: 02/15/2022

Date Made Active in Reports: 05/10/2022

Number of Days to Update: 84

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285

Last EDR Contact: 05/17/2022

Next Scheduled EDR Contact: 08/29/2022

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: 04/12/2022

Next Scheduled EDR Contact: 07/25/2022

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: 04/05/2022

Next Scheduled EDR Contact: 07/18/2022

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/22/2022
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: 12/13/2021
Date Data Arrived at EDR: 12/17/2021
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
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: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/20/2022
Next Scheduled EDR Contact: 08/29/2022
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: 01/19/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2022
Next Scheduled EDR Contact: 08/01/2022
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: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 06/13/2022
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: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: 202-564-6023
Date Made Active in Reports: 02/25/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/15/2022
	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: 01/20/2022	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 04/08/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/18/2022
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/31/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/18/2022
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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: 07/29/2021	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/24/2021	Telephone: 301-415-7169
Date Made Active in Reports: 11/19/2021	Last EDR Contact: 04/18/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 02/28/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 06/13/2022
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 02/28/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 06/13/2022
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/06/2022
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/15/2022
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 03/28/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 07/11/2022
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, 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 Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
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: 12/31/2021
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
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: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
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: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
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: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 07/11/2022
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 1931 and 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: 11/02/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admin
Telephone: 202-693-9424
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/13/2022
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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
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: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
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: 12/14/2021
Date Data Arrived at EDR: 12/15/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 85

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/04/2022
Next Scheduled EDR Contact: 06/20/2022
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: 11/04/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 95

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 05/19/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/05/2022
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/04/2022	Telephone: 202-564-2280
Date Made Active in Reports: 01/10/2022	Last EDR Contact: 04/05/2022
Number of Days to Update: 6	Next Scheduled EDR Contact: 07/18/2022
	Data Release Frequency: Quarterly

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: 02/17/2022	Source: EPA
Date Data Arrived at EDR: 02/17/2022	Telephone: 800-385-6164
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 05/17/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/29/2022
	Data Release Frequency: Quarterly

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	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	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: 12/16/2021	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/16/2021	Telephone: 916-323-3400
Date Made Active in Reports: 03/03/2022	Last EDR Contact: 03/21/2022
Number of Days to Update: 77	Next Scheduled EDR Contact: 07/04/2022
	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	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/09/2022	Telephone: 925-454-2361
Date Made Active in Reports: 05/17/2022	Last EDR Contact: 05/09/2022
Number of Days to Update: 8	Next Scheduled EDR Contact: 08/22/2022
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/24/2022
Date Data Arrived at EDR: 02/25/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 82

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
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: 02/17/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
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: 02/07/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
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: 11/10/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 02/03/2022
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/01/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

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: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 86

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
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: 02/14/2022
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 86

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
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: 01/03/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/06/2021	Source: Department of Conservation
Date Data Arrived at EDR: 12/07/2021	Telephone: 916-322-1080
Date Made Active in Reports: 02/23/2022	Last EDR Contact: 03/08/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	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: 11/18/2021	Source: Department of Public Health
Date Data Arrived at EDR: 11/30/2021	Telephone: 916-558-1784
Date Made Active in Reports: 02/17/2022	Last EDR Contact: 02/28/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/13/2022
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/07/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/08/2022	Telephone: 916-445-9379
Date Made Active in Reports: 05/05/2022	Last EDR Contact: 05/09/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 08/22/2022
	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: 11/30/2021	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 11/30/2021	Telephone: 916-445-4038
Date Made Active in Reports: 02/17/2022	Last EDR Contact: 02/28/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/13/2022
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 11/29/2021	Source: Department of Conservation
Date Data Arrived at EDR: 11/29/2021	Telephone: 916-323-3836
Date Made Active in Reports: 02/11/2022	Last EDR Contact: 03/08/2022
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/20/2022
	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: 12/13/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2021	Telephone: 916-445-3846
Date Made Active in Reports: 03/03/2022	Last EDR Contact: 03/09/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/26/2022
	Data Release Frequency: No Update Planned

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: 12/03/2021	Source: Department of Conservation
Date Data Arrived at EDR: 12/07/2021	Telephone: 916-445-2408
Date Made Active in Reports: 02/24/2022	Last EDR Contact: 03/08/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 12/06/2021	Source: State Water Resource Control Board
Date Data Arrived at EDR: 12/07/2021	Telephone: 866-480-1028
Date Made Active in Reports: 02/23/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	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	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 07/01/2021	Telephone: 559-445-5577
Date Made Active in Reports: 09/29/2021	Last EDR Contact: 04/08/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 07/18/2022
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 05/12/2022
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/29/2022
	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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/16/2022
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 12/06/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/07/2021	Telephone: 866-480-1028
Date Made Active in Reports: 02/23/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 06/20/2022
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: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
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: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
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: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 06/20/2022
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: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
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: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
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: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 80

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 02/04/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/15/2022
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: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 80

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/17/2022
Next Scheduled EDR Contact: 07/04/2022
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: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 79

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 02/16/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 08/08/2022
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: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
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: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
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: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
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: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
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: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/11/2022
Next Scheduled EDR Contact: 07/25/2022
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: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
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: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 8

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 83

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
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: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 03/23/2022
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/04/2022
	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	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 01/12/2022	Telephone: 626-458-6973
Date Made Active in Reports: 04/04/2022	Last EDR Contact: 04/13/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 07/25/2022
	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: 04/19/2021	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/17/2021	Telephone: 213-978-3800
Date Made Active in Reports: 06/28/2021	Last EDR Contact: 03/21/2022
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/04/2022
	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: 04/19/2021	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/17/2021	Telephone: 213-978-3800
Date Made Active in Reports: 09/14/2021	Last EDR Contact: 03/21/2022
Number of Days to Update: 89	Next Scheduled EDR Contact: 07/04/2022
	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	Source: Community Health Services
Date Data Arrived at EDR: 07/09/2021	Telephone: 323-890-7806
Date Made Active in Reports: 09/29/2021	Last EDR Contact: 04/14/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 07/25/2022
	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	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 04/08/2022
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/25/2022
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 04/14/2022
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/01/2022
	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: 02/02/2021	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 04/28/2021	Telephone: 310-618-2973
Date Made Active in Reports: 07/13/2021	Last EDR Contact: 04/18/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/01/2022
	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	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 05/12/2022
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/29/2022
	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	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 03/23/2022
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/11/2022
	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	Source: Department of Public Health
Date Data Arrived at EDR: 11/18/2021	Telephone: 707-463-4466
Date Made Active in Reports: 11/22/2021	Last EDR Contact: 05/19/2022
Number of Days to Update: 4	Next Scheduled EDR Contact: 09/05/2022
	Data Release Frequency: Annually

MERCED COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
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: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
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: 04/04/2022
Next Scheduled EDR Contact: 07/11/2022
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: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
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: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/01/2022
Date Made Active in Reports: 04/18/2022
Number of Days to Update: 76

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2022
Next Scheduled EDR Contact: 08/15/2022
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: 12/01/2021
Date Data Arrived at EDR: 12/02/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 85

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
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: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/31/2022

Date Data Arrived at EDR: 03/31/2022

Date Made Active in Reports: 04/08/2022

Number of Days to Update: 8

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/14/2022

Next Scheduled EDR Contact: 06/27/2022

Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 03/31/2022

Date Data Arrived at EDR: 03/31/2022

Date Made Active in Reports: 04/08/2022

Number of Days to Update: 8

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/14/2022

Next Scheduled EDR Contact: 06/27/2022

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: 06/18/2021

Date Data Arrived at EDR: 09/28/2021

Date Made Active in Reports: 12/14/2021

Number of Days to Update: 77

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 03/31/2022

Next Scheduled EDR Contact: 07/11/2022

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: 08/02/2021

Date Data Arrived at EDR: 08/04/2021

Date Made Active in Reports: 11/02/2021

Number of Days to Update: 90

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 03/31/2022

Next Scheduled EDR Contact: 07/11/2022

Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 04/29/2022

Date Data Arrived at EDR: 04/29/2022

Date Made Active in Reports: 05/05/2022

Number of Days to Update: 6

Source: San Benito County Environmental Health

Telephone: N/A

Last EDR Contact: 04/28/2022

Next Scheduled EDR Contact: 08/15/2022

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 78

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
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: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
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: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversight 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: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

SAN FRANCISCO 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: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/01/2022
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: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/16/2022
Date Made Active in Reports: 05/13/2022
Number of Days to Update: 86

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/11/2022
Next Scheduled EDR Contact: 06/20/2022
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: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
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: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/16/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
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: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/28/2022

Next Scheduled EDR Contact: 08/15/2022

Data Release Frequency: Annually

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: 05/12/2022

Next Scheduled EDR Contact: 08/29/2022

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: 05/12/2022

Next Scheduled EDR Contact: 08/29/2022

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: 02/24/2022

Next Scheduled EDR Contact: 06/13/2022

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: 02/24/2022

Next Scheduled EDR Contact: 06/13/2022

Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List

Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
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: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
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 Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/11/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 11/23/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List

Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List

Cupa facility list

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

TULARE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/15/2022
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: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
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: 12/27/2021
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
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: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
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: 05/04/2022
Next Scheduled EDR Contact: 08/22/2022
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: 12/27/2021
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 81

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/29/2021

Date Data Arrived at EDR: 12/07/2021

Date Made Active in Reports: 02/24/2022

Number of Days to Update: 79

Source: Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 03/08/2022

Next Scheduled EDR Contact: 06/20/2022

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: 12/27/2021

Date Data Arrived at EDR: 01/04/2022

Date Made Active in Reports: 03/18/2022

Number of Days to Update: 73

Source: Yolo County Department of Health

Telephone: 530-666-8646

Last EDR Contact: 03/24/2022

Next Scheduled EDR Contact: 07/11/2022

Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2022

Date Data Arrived at EDR: 01/27/2022

Date Made Active in Reports: 04/14/2022

Number of Days to Update: 77

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 04/21/2022

Next Scheduled EDR Contact: 08/08/2022

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: 12/03/2021

Date Data Arrived at EDR: 02/11/2022

Date Made Active in Reports: 05/06/2022

Number of Days to Update: 84

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 05/09/2022

Next Scheduled EDR Contact: 08/22/2022

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: 04/07/2022

Next Scheduled EDR Contact: 07/18/2022

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
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: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
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: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
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: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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 and 2010 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

CHIP GRIDLEY PHASE I ESA
APN 010-270-121
GRIDLEY, CA 95948

TARGET PROPERTY COORDINATES

Latitude (North):	39.360953 - 39° 21' 39.43"
Longitude (West):	121.71623 - 121° 42' 58.43"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	610601.6
UTM Y (Meters):	4357410.5
Elevation:	89 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12021673 GRIDLEY, CA
Version Date:	2018
North Map:	12016069 BIGGS, 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).

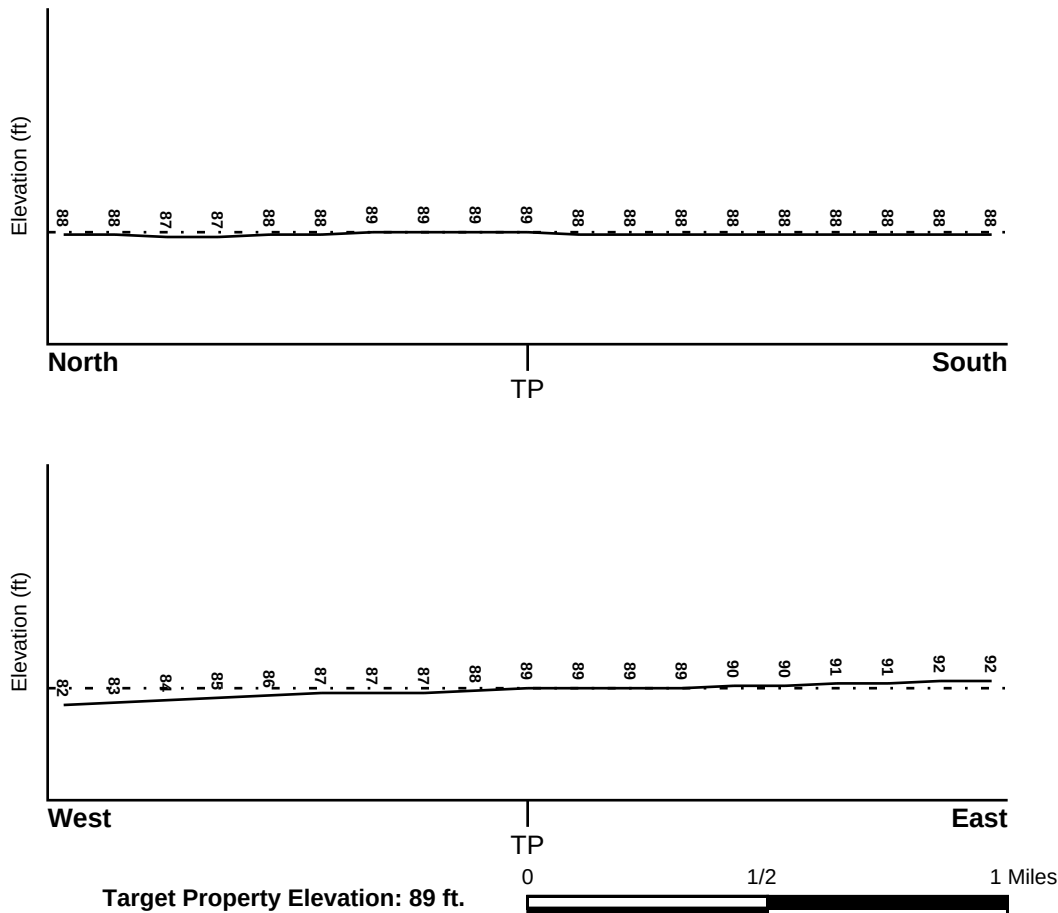
TOPOGRAPHIC INFORMATION

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 WSW

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

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06007C1125E	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06007C0975E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
GRIDLEY	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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

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: Stratified 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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: BRENTWOOD

Soil Surface Texture: clay 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: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20	Max: 8.40 Min: 6.10
2	18 inches	50 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 8.40 Min: 6.10
3	50 inches	60 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20	Max: 8.40 Min: 7.90

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay
sandy loam
gravelly - loam

Surficial Soil Types: loam
clay
sandy loam
gravelly - loam

Shallow Soil Types: clay
gravelly - sandy clay loam

Deeper Soil Types: stratified
indurated
loam
clay

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000192762	1/4 - 1/2 Mile SSW
4	USGS40000192770	1/2 - 1 Mile West
10	USGS40000192788	1/2 - 1 Mile NE
13	USGS40000192768	1/2 - 1 Mile East
14	USGS40000192791	1/2 - 1 Mile NW
15	USGS40000192749	1/2 - 1 Mile SSE
16	USGS40000192793	1/2 - 1 Mile NNE
D21	USGS40000192755	1/2 - 1 Mile SW
22	USGS40000192754	1/2 - 1 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

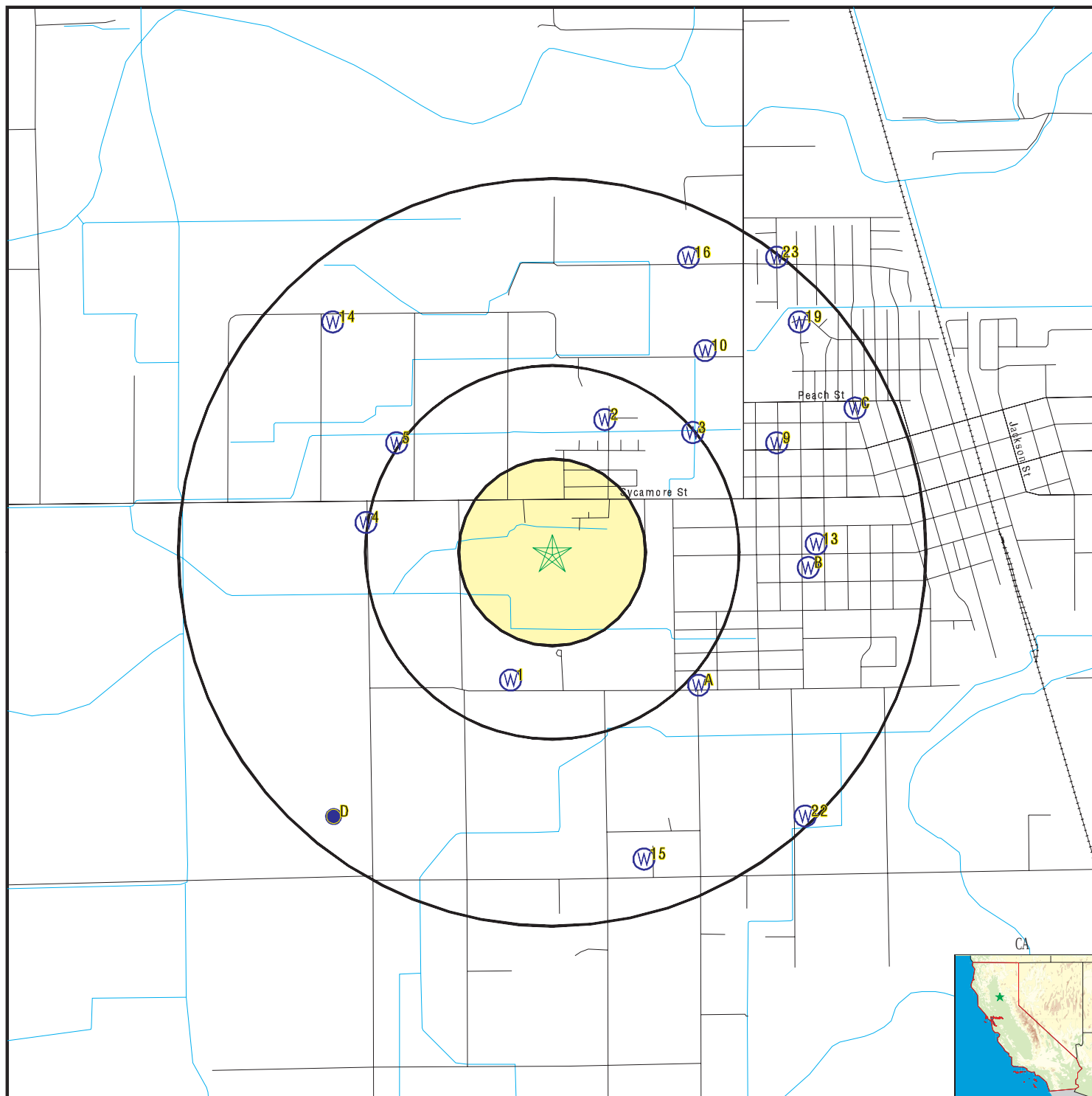
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	CADDW0000015346	1/4 - 1/2 Mile NNE
3	CAEDF0000025610	1/4 - 1/2 Mile NE
5	CADWR0000004274	1/2 - 1 Mile NW
A6	CADDW0000006135	1/2 - 1 Mile SE
A7	CALLNL000000915	1/2 - 1 Mile SE
B8	13687	1/2 - 1 Mile East
9	CADWR0000021176	1/2 - 1 Mile ENE
B11	CADDW0000019801	1/2 - 1 Mile East
B12	CALLNL000000976	1/2 - 1 Mile East
C17	22121	1/2 - 1 Mile ENE
C18	22122	1/2 - 1 Mile ENE
19	13686	1/2 - 1 Mile NE
D20	CAUSGSN00008305	1/2 - 1 Mile SW
23	CADWR0000034345	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 6993765.2s



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

No contour lines were detected within this map area.

SITE NAME: CHIP Gridley Phase I ESA
 ADDRESS: APN 010-270-121
 Gridley CA 95948
 LAT/LONG: 39.360953 / 121.71623

CLIENT: Broadbent & Associates, Inc.
 CONTACT: Chelsea Meddings
 INQUIRY #: 6993765.2s
 DATE: May 24, 2022 7:22 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000192762

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	017N002E02F001M	Type:	Well
Description:	Not Reported	HUC:	18020106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19660614	Well Depth:	20
Well Depth Units:	ft	Well Hole Depth:	66
Well Hole Depth Units:	ft		

2
NNE
1/4 - 1/2 Mile
Higher

CA WELLS CADDW0000015346

Well ID:	0410004-016	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	EAGLE MEADOWS 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=0410004-016&store_num=		
GeoTracker Data:	Not Reported		

3
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000025610

Well ID:	AGC100012332-SVWQC00003	Well Type:	MONITORING
Source:	Agricultural Lands	Other Name:	SVWQC00003
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=AGLAND&samp_date=&global_id=AGC100012332&assigned_name=SVWQC00003&store_num=		
GeoTracker Data:	Not Reported		

4
West
1/2 - 1 Mile
Lower

FED USGS USGS40000192770

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	017N002E03A001M	Type:	Well
Description:	Not Reported	HUC:	18020105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date: 19750121
Well Depth Units: ft
Well Hole Depth Units: ft

Well Depth: 52
Well Hole Depth: 98

Ground water levels, Number of Measurements: 1
Feet below surface: 6.00
Note: Not Reported

Level reading date: 1975-01-21
Feet to sea level: Not Reported

**5
NW
1/2 - 1 Mile
Lower**

CA WELLS CADWR0000004274

Well ID: 17N02E02D001M Well Type: UNK
Source: Department of Water Resources
Other Name: 17N02E02D001M 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=17N02E02D001M&store_num=
GeoTracker Data: Not Reported

**A6
SE
1/2 - 1 Mile
Higher**

CA WELLS CADDW0000006135

Well ID: 0410004-011 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: LITTLE AVE WELL - RAW XCLD
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=0410004-011&store_num=
GeoTracker Data: Not Reported

**A7
SE
1/2 - 1 Mile
Higher**

CA WELLS CALLNL000000915

Well ID: 101447 Well Type: MUNICIPAL
Source: Lawrence Livermore National Laboratory
Other Name: LITTLE AVE WELL-Gridley GAMA PFAS Testing: Not Reported
Groundwater Quality Data: Not Reported
GeoTracker Data: Not Reported

Chemical: Helium-3/Helium-4 Results: .0000000202892
Units: atom ratio Date: 05/11/2004

Chemical: Krypton Results: .0000000872433
Units: cm3STP/g Date: 05/11/2004

Chemical: Neon Results: .000000276825
Units: cm3STP/g Date: 05/11/2004

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	Tritium (Hydrogen 3)	Results:	10.56
Units:	pCi/L	Date:	06/26/2003
Chemical:	Helium-4	Results:	.0000000667858
Units:	cm3STP/g	Date:	05/11/2004

**B8
East
1/2 - 1 Mile
Higher**

CA WELLS 13687

Seq:	13687	Prim sta c:	18N/02E-36Q02 M
Frds no:	0410004003	County:	04
District:	02	User id:	BUG
System no:	0410004	Water type:	G
Source nam:	SPRUCE ST. WELL	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	392136.7	Longitude:	1214210.6
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:	0410004	System nam:	City Of Gridley
Hqname:	Not Reported	Address:	685 KENTUCKY STREET
City:	GRIDLEY	State:	CA
Zip:	95948	Zip ext:	Not Reported
Pop serv:	4931	Connection:	1717
Area serve:	GRIDLEY		
Sample date:	06-MAR-18	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-MAR-17	Finding:	2.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-MAR-16	Finding:	7.
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	08-MAR-16	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-MAR-16	Finding:	2.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-MAR-16	Finding:	0.454
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-16	Finding:	28.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-16	Finding:	181.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical: Dir:	HARDNESS (TOTAL) AS CaCO ₃ 0.	Report units:	MG/L
Sample date: Chemical: Dir:	02-FEB-16 MAGNESIUM 0.	Finding: Report units:	27. MG/L
Sample date: Chemical: Dir:	18-NOV-14 CHROMIUM, HEXAVALENT 1.	Finding: Report units:	2.5 UG/L
Sample date: Chemical: Dir:	28-OCT-14 TOTAL DISSOLVED SOLIDS 0.	Finding: Report units:	244. MG/L
Sample date: Chemical: Dir:	28-OCT-14 BARIUM 100.	Finding: Report units:	57. UG/L
Sample date: Chemical: Dir:	28-OCT-14 SULFATE 0.5	Finding: Report units:	10.9 MG/L
Sample date: Chemical: Dir:	28-OCT-14 CHLORIDE 0.	Finding: Report units:	6.6 MG/L
Sample date: Chemical: Dir:	28-OCT-14 SODIUM 0.	Finding: Report units:	16.4 MG/L
Sample date: Chemical: Dir:	28-OCT-14 BICARBONATE ALKALINITY 0.	Finding: Report units:	255. MG/L
Sample date: Chemical: Dir:	28-OCT-14 ALKALINITY (TOTAL) AS CaCO ₃ 0.	Finding: Report units:	209. MG/L
Sample date: Chemical: Dir:	28-OCT-14 PH, LABORATORY 0.	Finding: Report units:	7.6 Not Reported
Sample date: Chemical: Dir:	28-OCT-14 IRON 100.	Finding: Report units:	219. UG/L
Sample date: Chemical: Dir:	07-JAN-14 NITRATE + NITRITE (AS N) 0.4	Finding: Report units:	1820. MG/L
Sample date: Chemical: Dir:	07-JAN-14 NITRITE (AS N) 0.4	Finding: Report units:	180. MG/L
Sample date: Chemical: Dir:	07-JAN-14 NITRATE (AS NO ₃) 2.	Finding: Report units:	7.26 MG/L
Sample date: Chemical: Dir:	26-DEC-13 GROSS ALPHA COUNTING ERROR 0.	Finding: Report units:	1.07 PCI/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	26-DEC-13	Finding:	1.44
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	12-FEB-13	Finding:	8.1
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	03-JAN-12	Finding:	7.75
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

9
ENE
1/2 - 1 Mile
Higher

CA WELLS CADWR0000021176

Well ID:	17N02E01D001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	17N02E01D001M	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=17N02E01D001M&store_num=		
GeoTracker Data:	Not Reported		

10
NE
1/2 - 1 Mile
Higher

FED USGS USGS40000192788

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	018N002E35J001M	Type:	Well
Description:	Not Reported	HUC:	18020105
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:	19660323	Well Depth:	36
Well Depth Units:	ft	Well Hole Depth:	120
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	1	Level reading date:	1966-03-23
Feet below surface:	6.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B11
East
1/2 - 1 Mile
Higher

CA WELLS CADDW0000019801

Well ID:	0410004-002	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	PARKSIDE 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=0410004-002&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B12
East
1/2 - 1 Mile
Higher

CA WELLS CALLNL000000976

Well ID:	101448	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	17N/02E-01D01 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000363806
Units:	cm3STP/g	Date:	05/22/2003

Chemical:	Helium-4	Results:	.0000000702531
Units:	cm3STP/g	Date:	05/22/2003

Chemical:	Krypton	Results:	.0000000755109
Units:	cm3STP/g	Date:	05/22/2003

Chemical:	Xenon	Results:	.0000000104642
Units:	cm3STP/g	Date:	05/22/2003

Chemical:	Tritium (Hydrogen 3)	Results:	7.35
Units:	pCi/L	Date:	07/08/2003

Chemical:	Neon	Results:	.000000237871
Units:	cm3STP/g	Date:	05/22/2003

Chemical:	Helium-3/Helium-4	Results:	.00000187517
Units:	atom ratio	Date:	05/22/2003

13
East
1/2 - 1 Mile
Higher

FED USGS USGS40000192768

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	017N002E01D001M	Type:	Well
Description:	Not Reported	HUC:	18020106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520101	Well Depth:	300
Well Depth Units:	ft	Well Hole Depth:	300
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

14
NW
1/2 - 1 Mile
Lower

FED USGS USGS40000192791

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	018N002E34J001M	Type:	Well
Description:	Not Reported	HUC:	18020105
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:	19741121	Well Depth:	56
Well Depth Units:	ft	Well Hole Depth:	110
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1974-11-21
Feet below surface:	5.00	Feet to sea level:	Not Reported
Note:	Not Reported		

15
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000192749

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	017N002E02Q001M	Type:	Well
Description:	Not Reported	HUC:	18020106
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:	19700424	Well Depth:	52
Well Depth Units:	ft	Well Hole Depth:	68
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1970-04-24
Feet below surface:	5.00	Feet to sea level:	Not Reported
Note:	Not Reported		

16
NNE
1/2 - 1 Mile
Higher

FED USGS USGS40000192793

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	018N002E35H001M	Type:	Well
Description:	Not Reported	HUC:	18020105
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:	19680827	Well Depth:	44

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Depth Units: ft
Well Hole Depth Units: ft

Well Hole Depth: 84

Ground water levels, Number of Measurements: 1
Feet below surface: 9.00
Note: Not Reported

Level reading date: 1968-08-27
Feet to sea level: Not Reported

C17 ENE 1/2 - 1 Mile Higher

CA WELLS 22121

Seq: 22121
Frds no: 0410004007
District: 02
System no: 0410004
Source nam: PARKSIDE WELL - FLUORIDATED
Latitude: 392200.0
Precision: 3
Comment 1: Not Reported
Comment 3: Not Reported
Comment 5: Not Reported
Comment 7: Not Reported

Prim sta c: B04/004-PARK-FL
County: 04
User id: BUG
Water type: G
Station ty: WELL
Longitude: 1214200.0
Status: AT
Comment 2: Not Reported
Comment 4: Not Reported
Comment 6: Not Reported

System no: 0410004
Hqname: Not Reported
City: GRIDLEY
Zip: 95948
Pop serv: 4931
Area serve: GRIDLEY

System nam: City Of Gridley
Address: 685 KENTUCKY STREET
State: CA
Zip ext: Not Reported
Connection: 1717

C18 ENE 1/2 - 1 Mile Higher

CA WELLS 22122

Seq: 22122
Frds no: 0410004008
District: 02
System no: 0410004
Source nam: SPRUCE STREET WELL - FLUORIDATED
Latitude: 392200.0
Precision: 3
Comment 1: Not Reported
Comment 3: Not Reported
Comment 5: Not Reported
Comment 7: Not Reported

Prim sta c: B04/004-SPRU-FL
County: 04
User id: BUG
Water type: G
Station ty: WELL
Longitude: 1214200.0
Status: AT
Comment 2: Not Reported
Comment 4: Not Reported
Comment 6: Not Reported

System no: 0410004
Hqname: Not Reported
City: GRIDLEY
Zip: 95948
Pop serv: 4931
Area serve: GRIDLEY

System nam: City Of Gridley
Address: 685 KENTUCKY STREET
State: CA
Zip ext: Not Reported
Connection: 1717

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

19
NE
1/2 - 1 Mile
Higher

CA WELLS 13686

Seq:	13686	Prim sta c:	18N/02E-36M01 M
Frds no:	0410004004	County:	04
District:	02	User id:	BUG
System no:	0410004	Water type:	G
Source nam:	VANDEMARK WELL - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	392212.0	Longitude:	1214210.0
Precision:	3	Status:	AB
Comment 1:	THIS WELL WAS DRILLED IN 1983 TO A DEPTH OF 360-FEET. THE CITY IS		
Comment 2:	PLANNING TO DESTROY THE WELL BECAUSE OF HIGH IRON AND MANGANESE		
Comment 3:	CONCENTRATIONS.	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	0410004	System nam:	City Of Gridley
Hqname:	Not Reported	Address:	685 KENTUCKY STREET
City:	GRIDLEY	State:	CA
Zip:	95948	Zip ext:	Not Reported
Pop serv:	4931	Connection:	1717
Area serve:	GRIDLEY		

D20
SW
1/2 - 1 Mile
Lower

CA WELLS CAUSGSN00008305

Well ID:	USGS-392103121433401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-392103121433401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-392103121433401&store_num=		
GeoTracker Data:	Not Reported		

D21
SW
1/2 - 1 Mile
Lower

FED USGS USGS40000192755

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	017N002E03R001M	Type:	Well
Description:	Not Reported	HUC:	18020106
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:	19581124	Well Depth:	59
Well Depth Units:	ft	Well Hole Depth:	140
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-11-24
Feet below surface:	8.00	Feet to sea level:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Note: Not Reported

22
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000192754

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	017N002E01N001M	Type:	Well
Description:	Not Reported	HUC:	18020106
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:	19700126	Well Depth:	40
Well Depth Units:	ft	Well Hole Depth:	87
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1970-01-26
Feet below surface:	5.00	Feet to sea level:	Not Reported
Note:	Not Reported		

23
NE
1/2 - 1 Mile
Higher

CA WELLS CADWR0000034345

Well ID:	18N02E36M001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	18N02E36M001M	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=18N02E36M001M&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
95948	3	0

Federal EPA Radon Zone for BUTTE 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 Zip Code: 95948

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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 and 2010 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 California's 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 Health 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 States 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 IRRA 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

Historical Record Sources

CHIP Gridley Phase I ESA

APN 010-270-121

Gridley, CA 95948

Inquiry Number: 6993765.8

May 25, 2022

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

05/25/22

Site Name:

CHIP Gridley Phase I ESA
APN 010-270-121
Gridley, CA 95948
EDR Inquiry # 6993765.8

Client Name:

Broadbent & Associates, Inc.
1370 Ridgewood Drive Suite 5
Chico, CA 95973-0000
Contact: Chelsea Meddings



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:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
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
1998	1"=500'	Acquisition Date: August 22, 1998	USGS/DOQQ
1984	1"=500'	Flight Date: June 29, 1984	USDA
1977	1"=500'	Flight Date: June 23, 1977	USGS
1973	1"=500'	Flight Date: July 01, 1973	USGS
1969	1"=500'	Flight Date: August 03, 1969	USGS
1952	1"=500'	Flight Date: June 26, 1952	USDA
1937	1"=500'	Flight Date: October 05, 1937	USDA

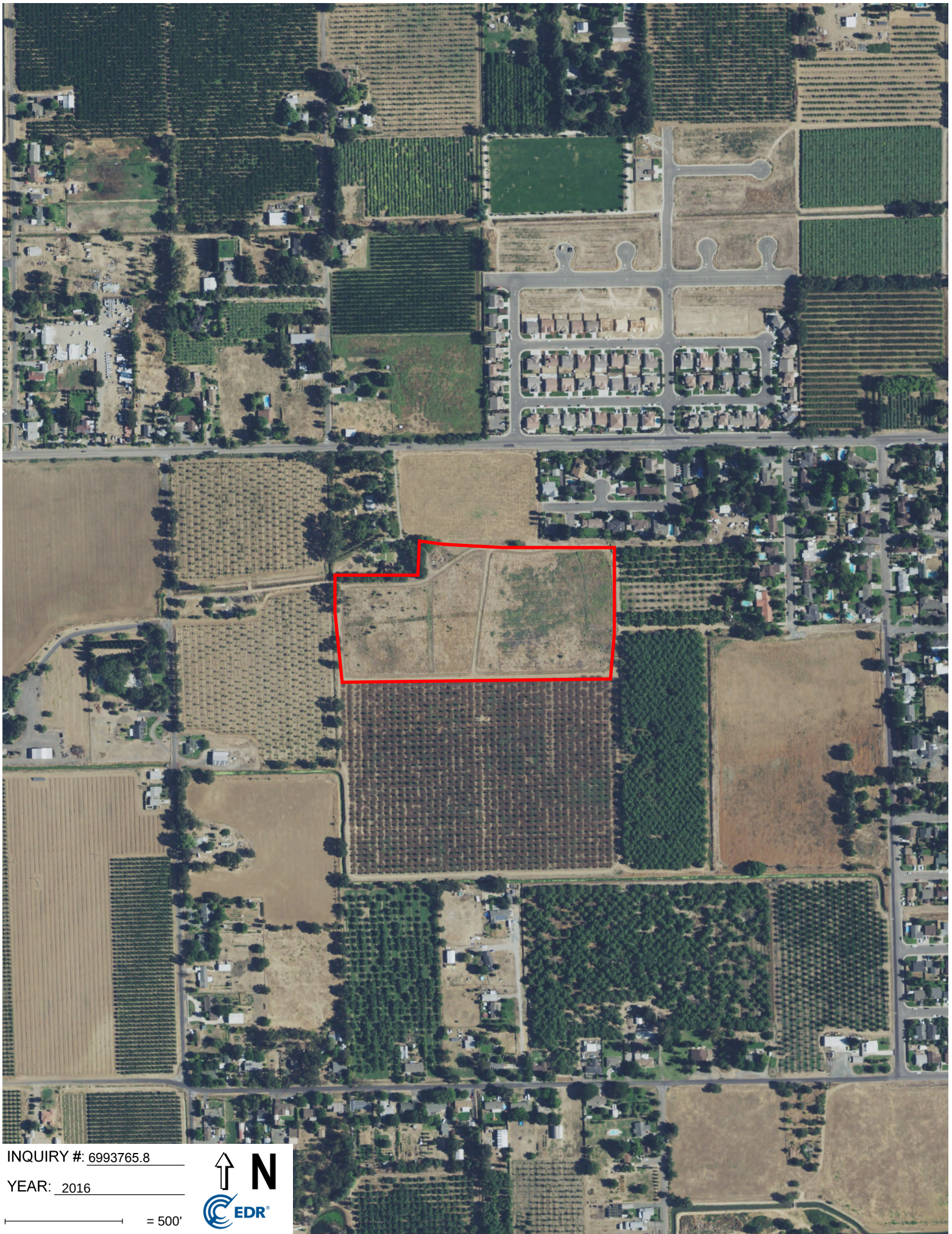
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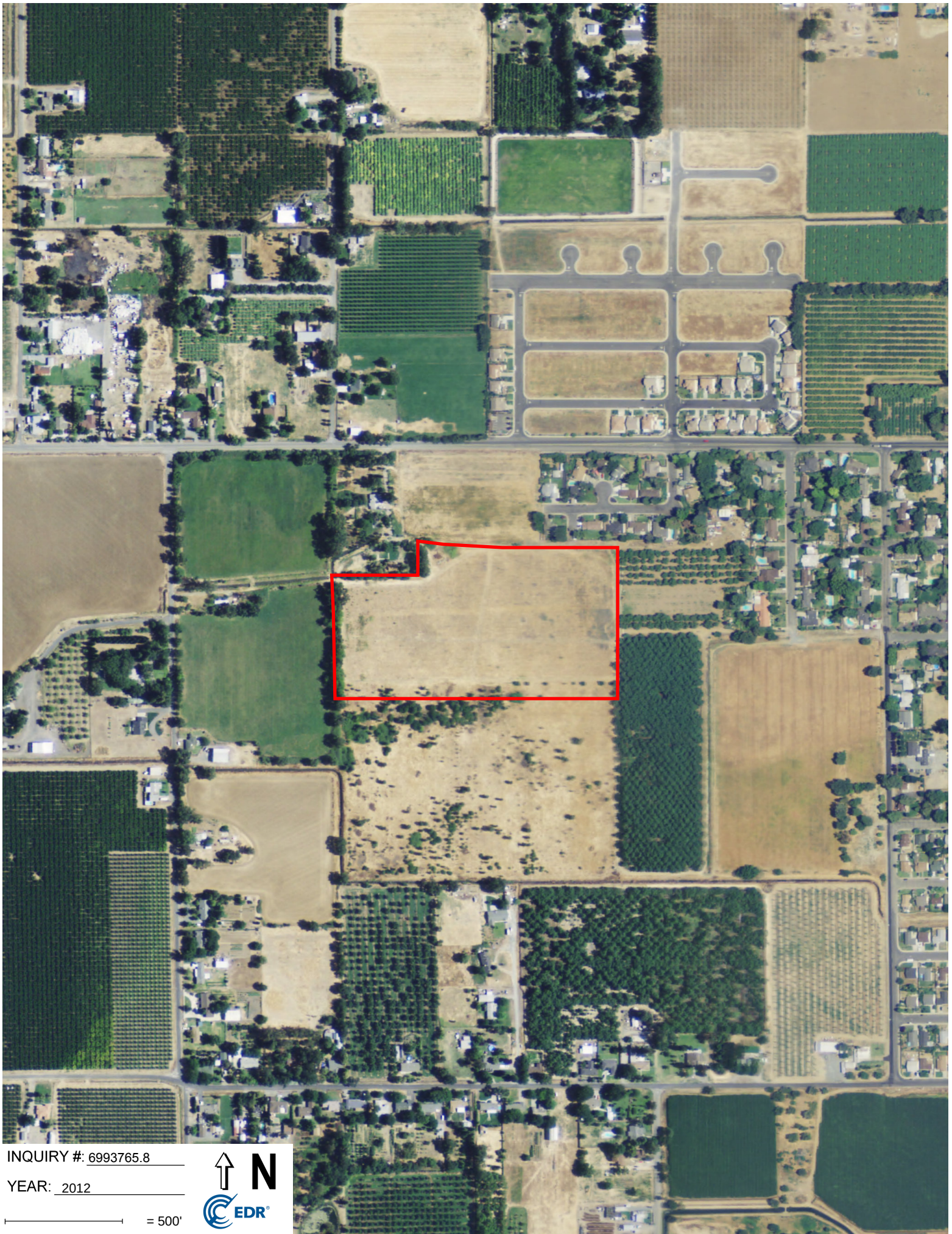


INQUIRY #: 6993765.8

YEAR: 2016

1" = 500'



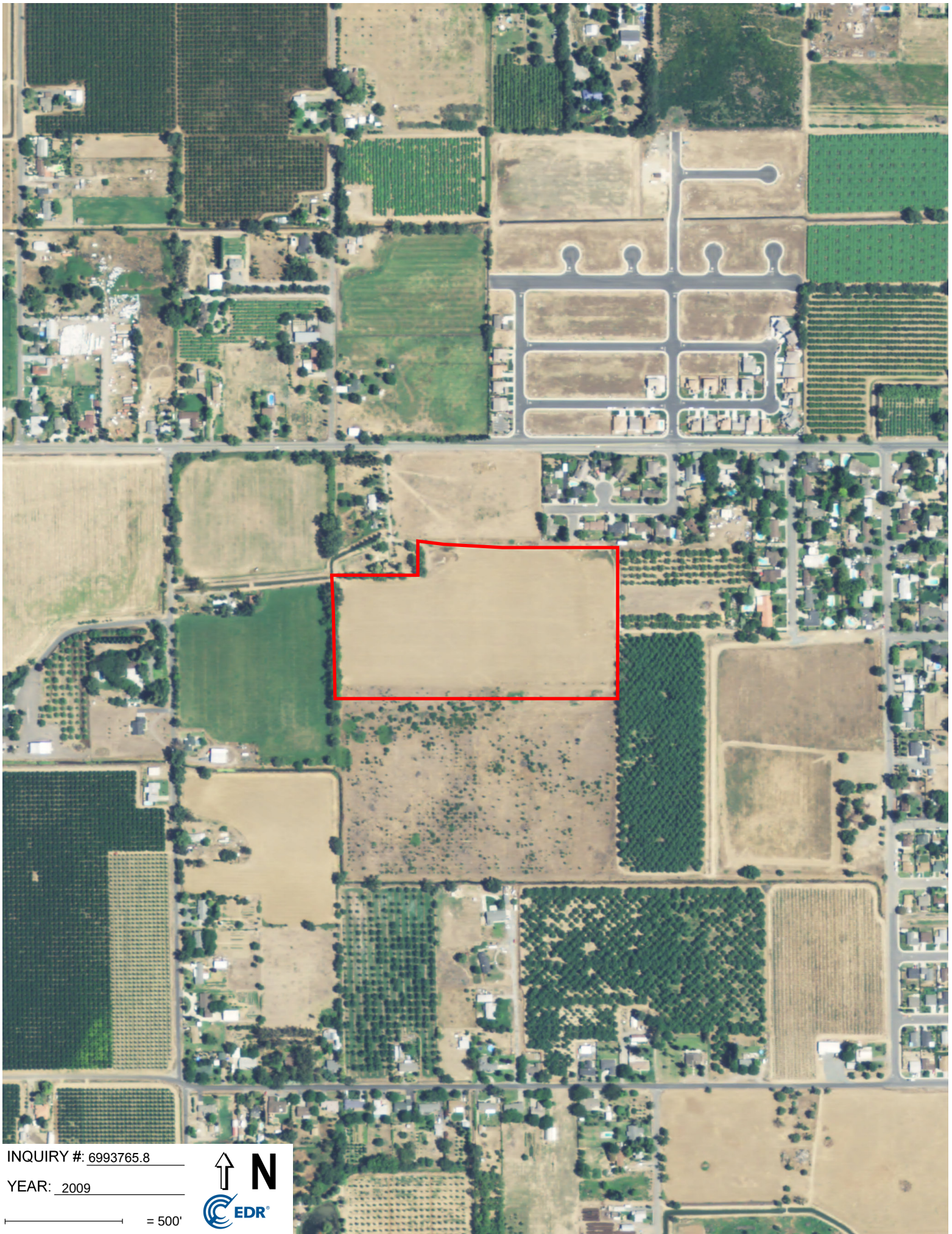


INQUIRY #: 6993765.8

YEAR: 2012

— = 500'



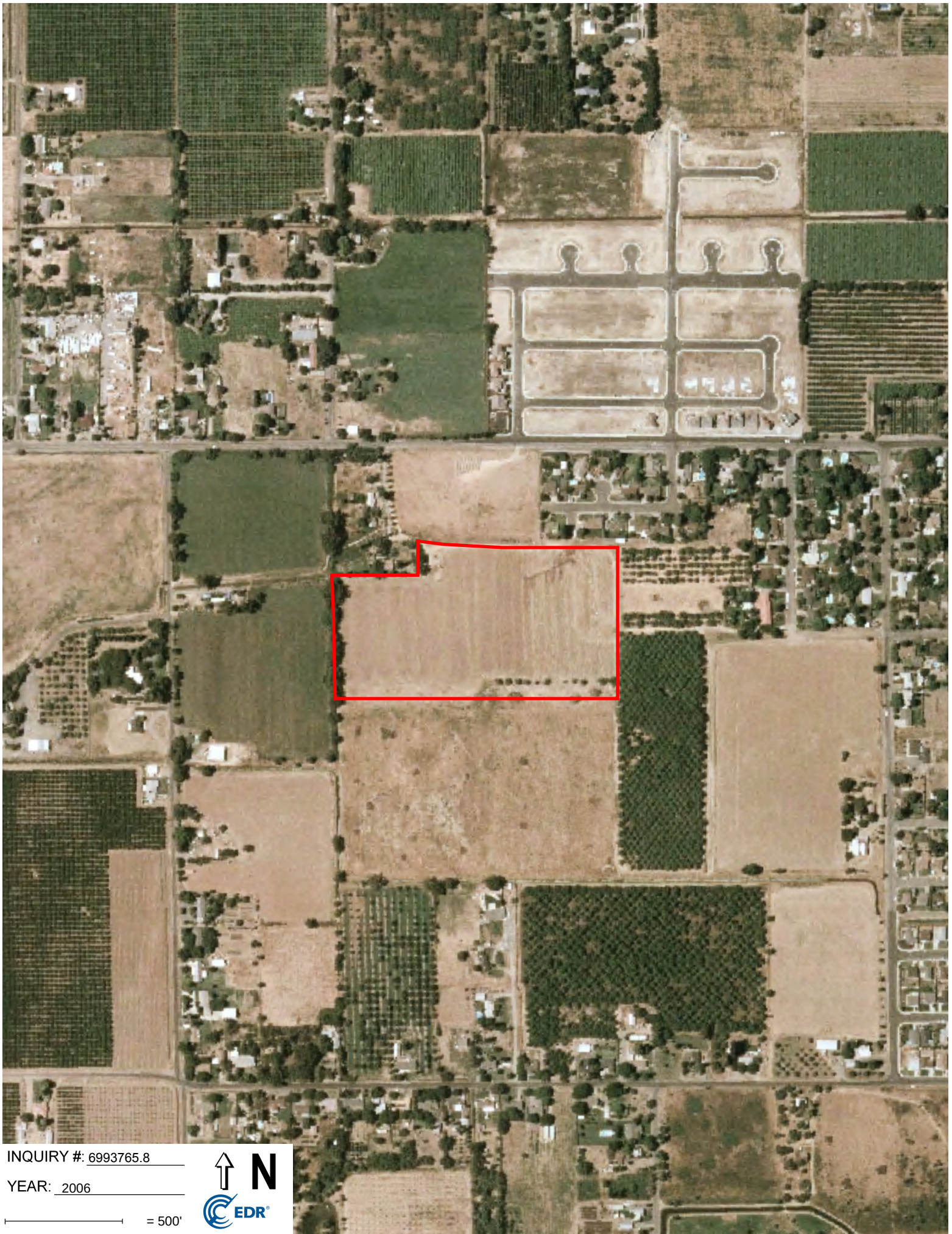


INQUIRY #: 6993765.8

YEAR: 2009

— = 500'





INQUIRY #: 6993765.8

YEAR: 2006

— = 500'





INQUIRY #: 6993765.8

YEAR: 1998

— = 500'





INQUIRY #: 6993765.8

YEAR: 1984

1" = 500'





INQUIRY #: 6993765.8

YEAR: 1977

— = 500'





INQUIRY #: 6993765.8

YEAR: 1973

— = 500'





INQUIRY #: 6993765.8

YEAR: 1969

— = 500'





INQUIRY #: 6993765.8

YEAR: 1952

— = 500'





INQUIRY #: 6993765.8

YEAR: 1937

— = 500'





CHIP Gridley Phase I ESA

APN 010-270-121

Gridley, CA 95948

Inquiry Number: 6993765.4

May 24, 2022

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

05/24/22

Site Name:

CHIP Gridley Phase I ESA
APN 010-270-121
Gridley, CA 95948
EDR Inquiry # 6993765.4

Client Name:

Broadbent & Associates, Inc.
1370 Ridgewood Drive Suite 5
Chico, CA 95973-0000
Contact: Chelsea Meddings



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Broadbent & Associates, Inc. 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. EDR's 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:**Coordinates:**

P.O.#	22-08-120	Latitude:	39.360953 39° 21' 39" North
Project:	CHIP Gridley Phase I ESA	Longitude:	-121.71623 -121° 42' 58" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	610598.71
		UTM Y Meters:	4357619.04
		Elevation:	88.51' above sea level

Maps Provided:

2018	1891
2015	1888
2012	
1970, 1973	
1952	
1912	
1895	
1894	

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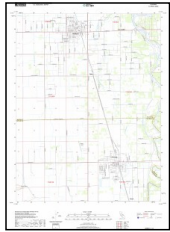
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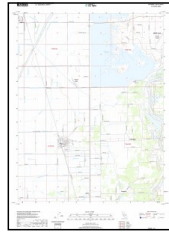
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Gridley
2018
7.5-minute, 24000

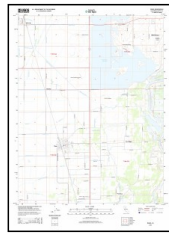


Biggs
2018
7.5-minute, 24000

2015 Source Sheets

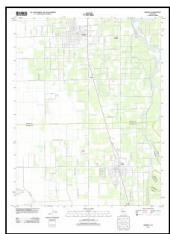


Gridley
2015
7.5-minute, 24000



Biggs
2015
7.5-minute, 24000

2012 Source Sheets



Gridley
2012
7.5-minute, 24000

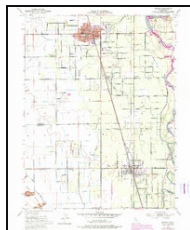


Biggs
2012
7.5-minute, 24000

1970, 1973 Source Sheets



Biggs
1970
7.5-minute, 24000
Aerial Photo Revised 1969

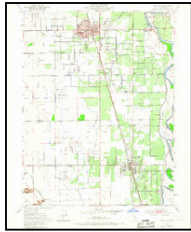


Gridley
1973
7.5-minute, 24000
Aerial Photo Revised 1973

Topo Sheet Key

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1952 Source Sheets

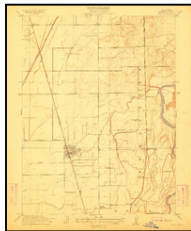


Gridley
1952
7.5-minute, 24000
Aerial Photo Revised 1949

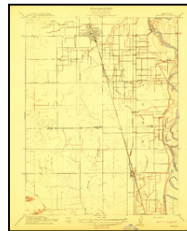


Biggs
1952
7.5-minute, 24000
Aerial Photo Revised 1949

1912 Source Sheets



Biggs
1912
7.5-minute, 31680



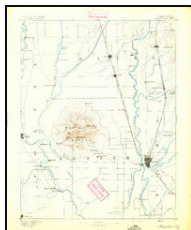
Gridley
1912
7.5-minute, 31680

1895 Source Sheets



Marysville
1895
30-minute, 125000

1894 Source Sheets



Marysville
1894
30-minute, 125000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1891 Source Sheets

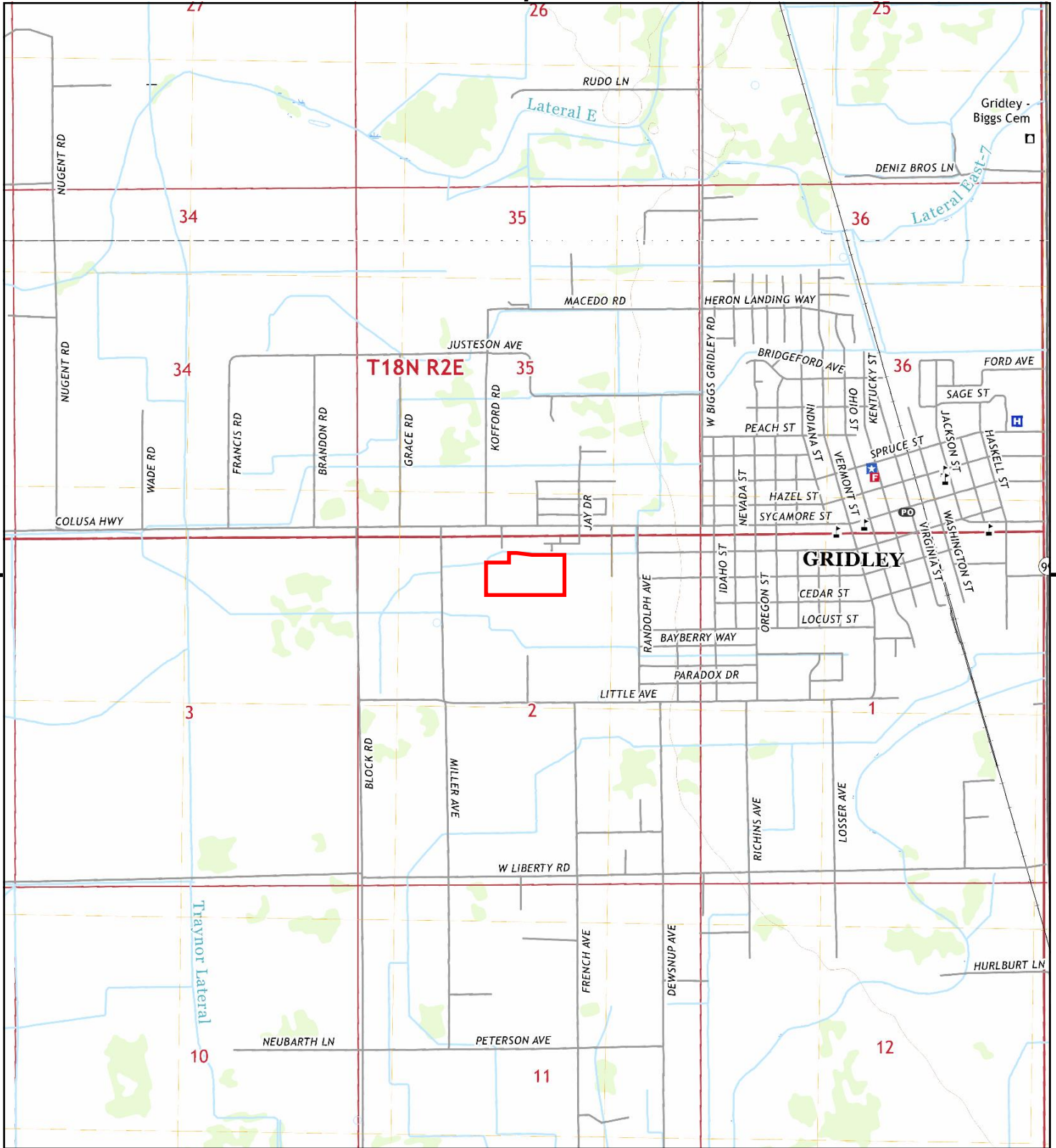


Marysville
1891
30-minute, 125000

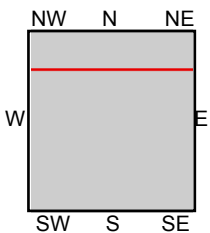
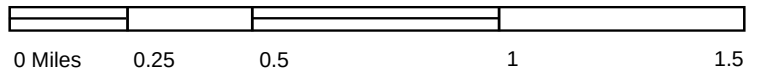
1888 Source Sheets



Marysville
1888
30-minute, 125000



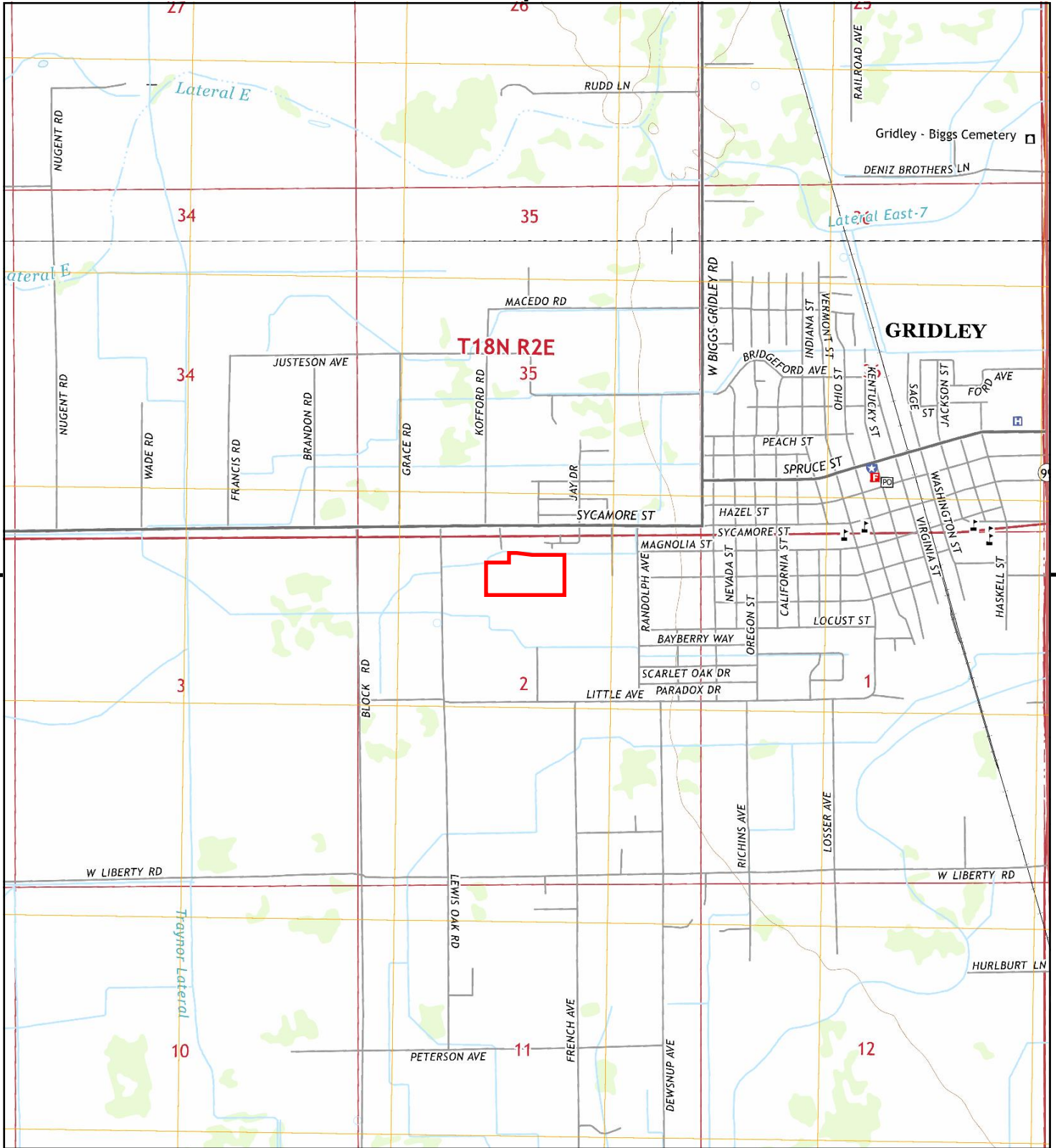
This report includes information from the following map sheet(s).



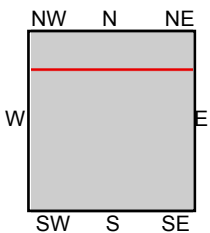
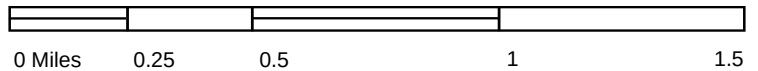
TP, Gridley, 2018, 7.5-minute
N, Biggs, 2018, 7.5-minute

SITE NAME: CHIP Gridley Phase I ESA
ADDRESS: APN 010-270-121
Gridley, CA 95948
CLIENT: Broadbent & Associates, Inc.





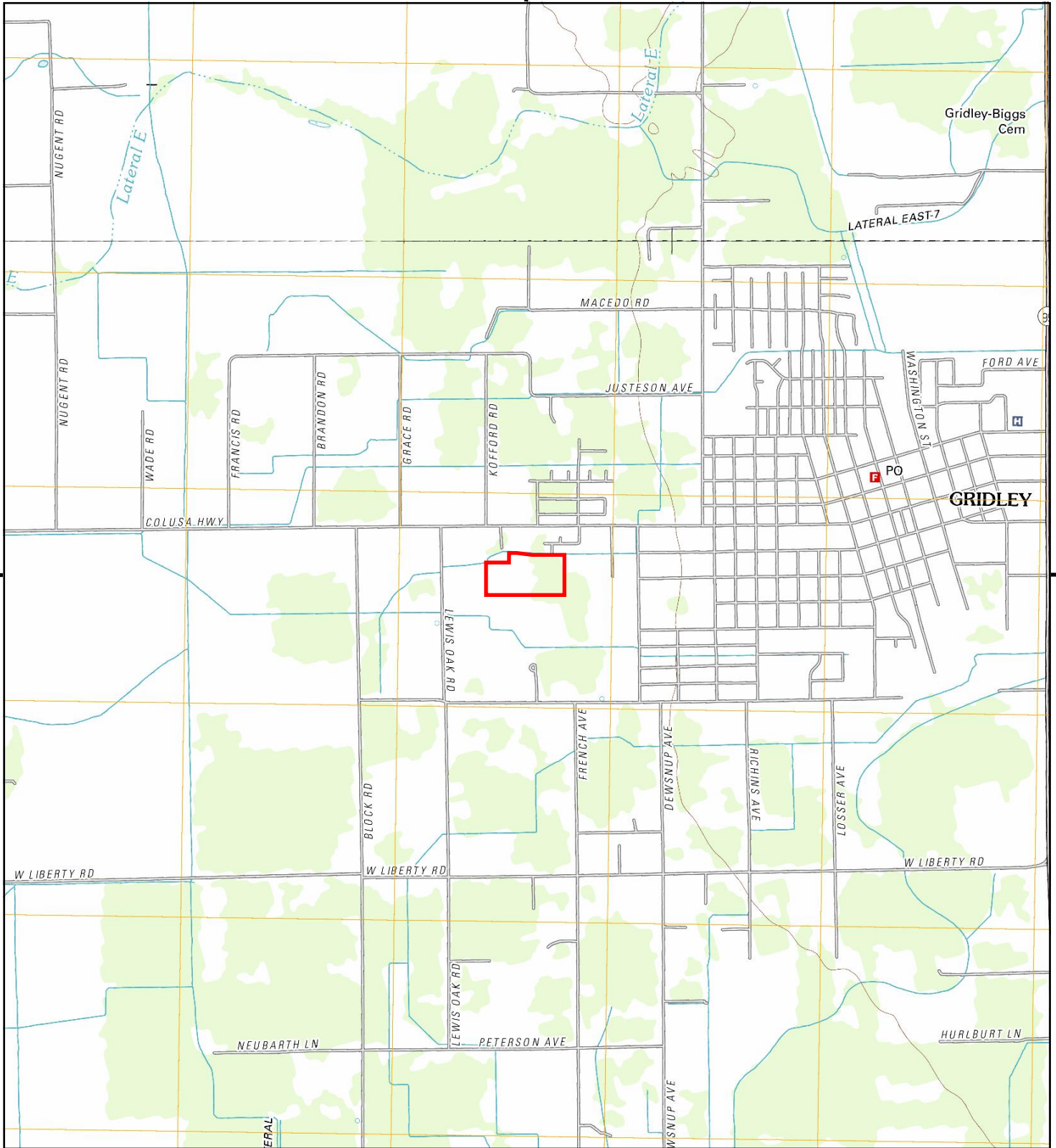
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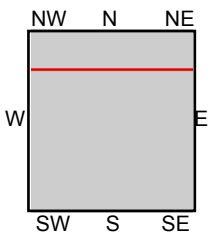
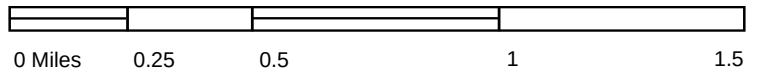
TP, Gridley, 2015, 7.5-minute
N, Biggs, 2015, 7.5-minute

SITE NAME: CHIP Gridley Phase I ESA
ADDRESS: APN 010-270-121
Gridley, CA 95948
CLIENT: Broadbent & Associates, Inc.





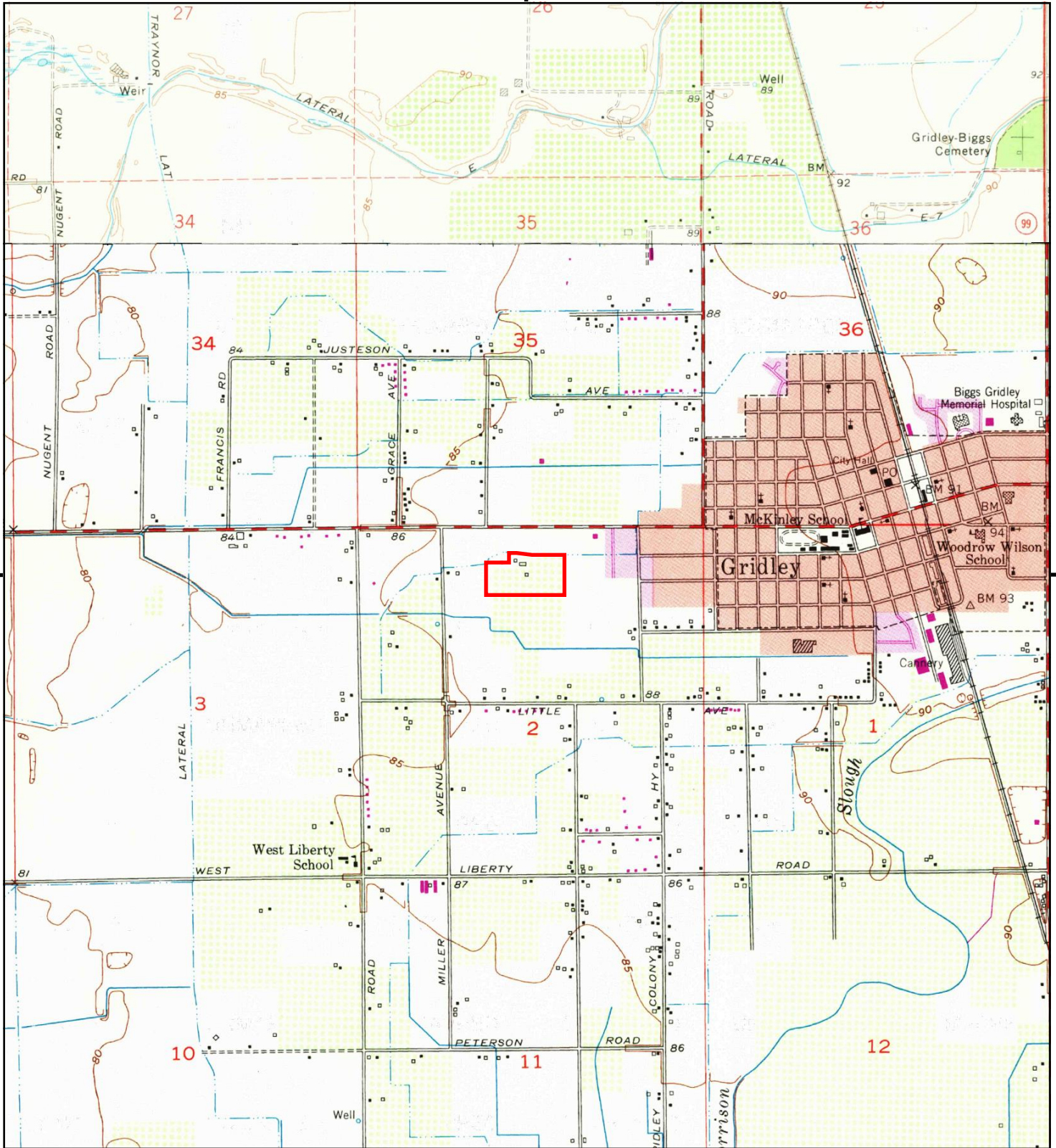
This report includes information from the following map sheet(s).



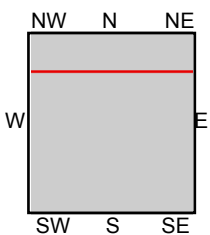
TP, Gridley, 2012, 7.5-minute
N, Biggs, 2012, 7.5-minute

SITE NAME: CHIP Gridley Phase I ESA
ADDRESS: APN 010-270-121
Gridley, CA 95948
CLIENT: Broadbent & Associates, Inc.





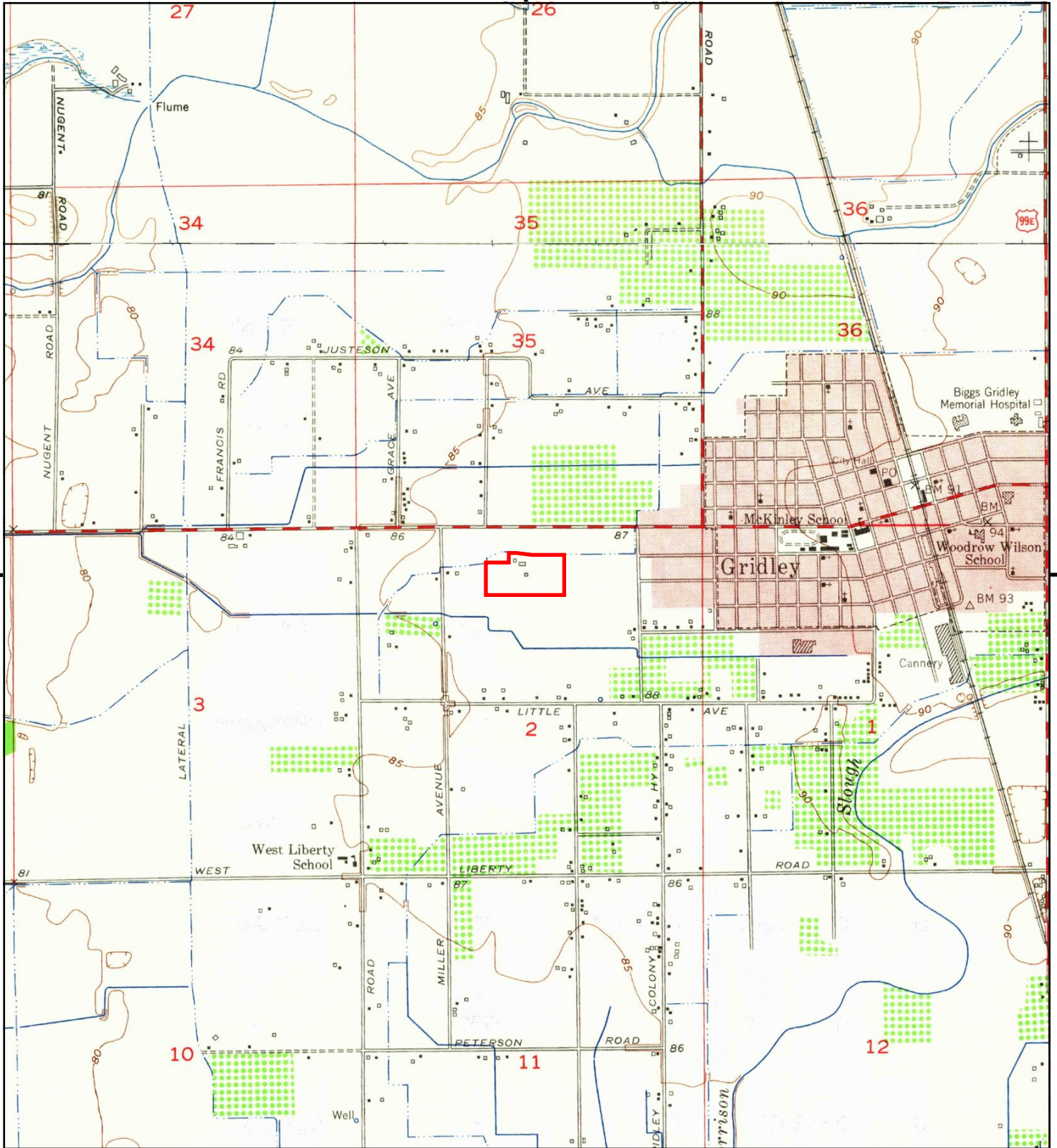
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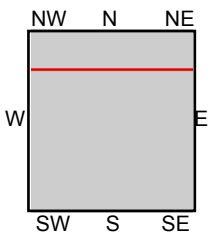
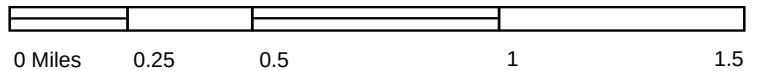
TP, Gridley, 1973, 7.5-minute
N, Biggs, 1970, 7.5-minute

SITE NAME: CHIP Gridley Phase I ESA
ADDRESS: APN 010-270-121
Gridley, CA 95948
CLIENT: Broadbent & Associates, Inc.





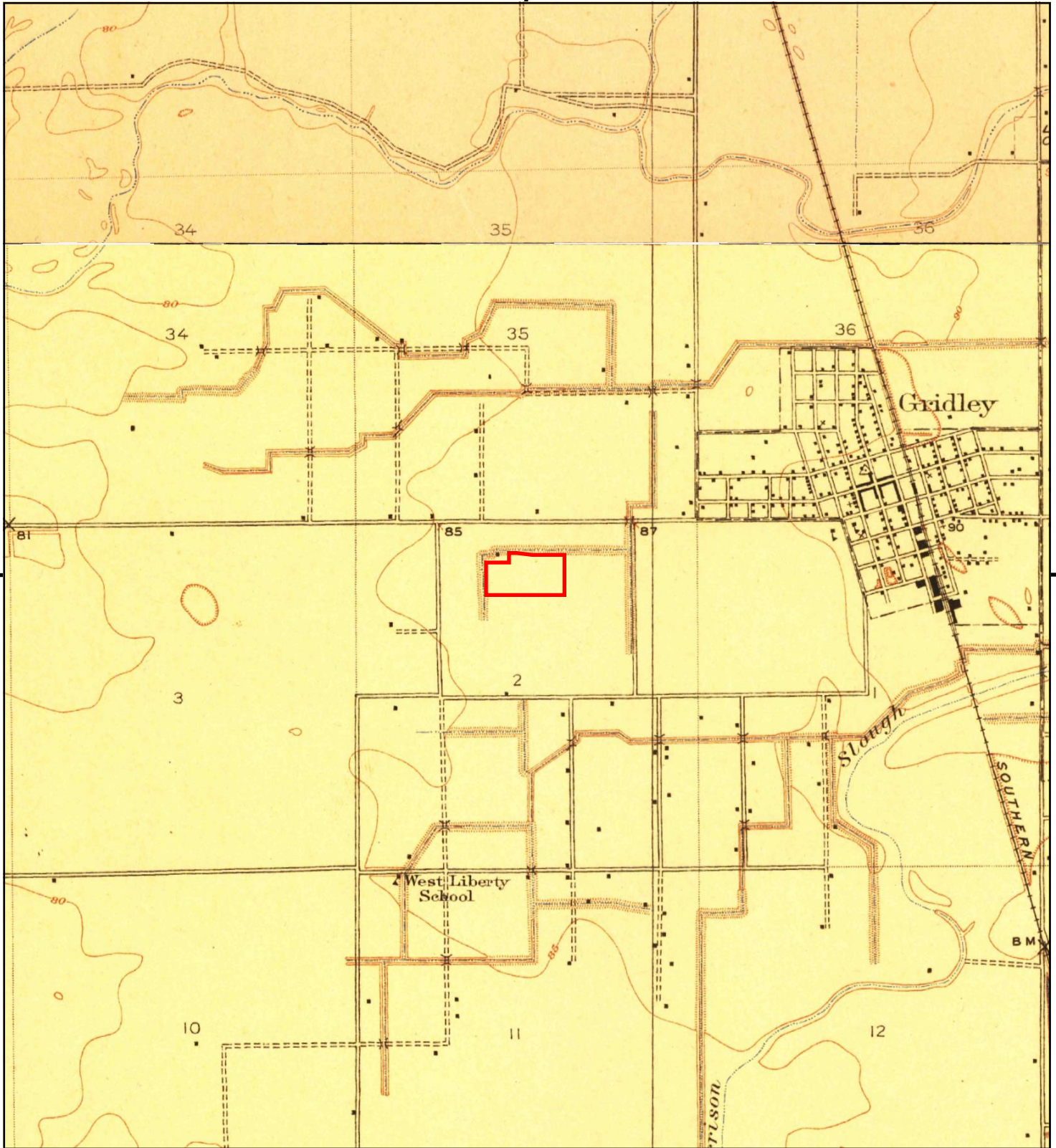
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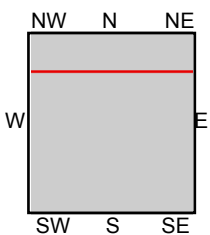
TP, Gridley, 1952, 7.5-minute
N, Biggs, 1952, 7.5-minute

SITE NAME: CHIP Gridley Phase I ESA
ADDRESS: APN 010-270-121
Gridley, CA 95948
CLIENT: Broadbent & Associates, Inc.





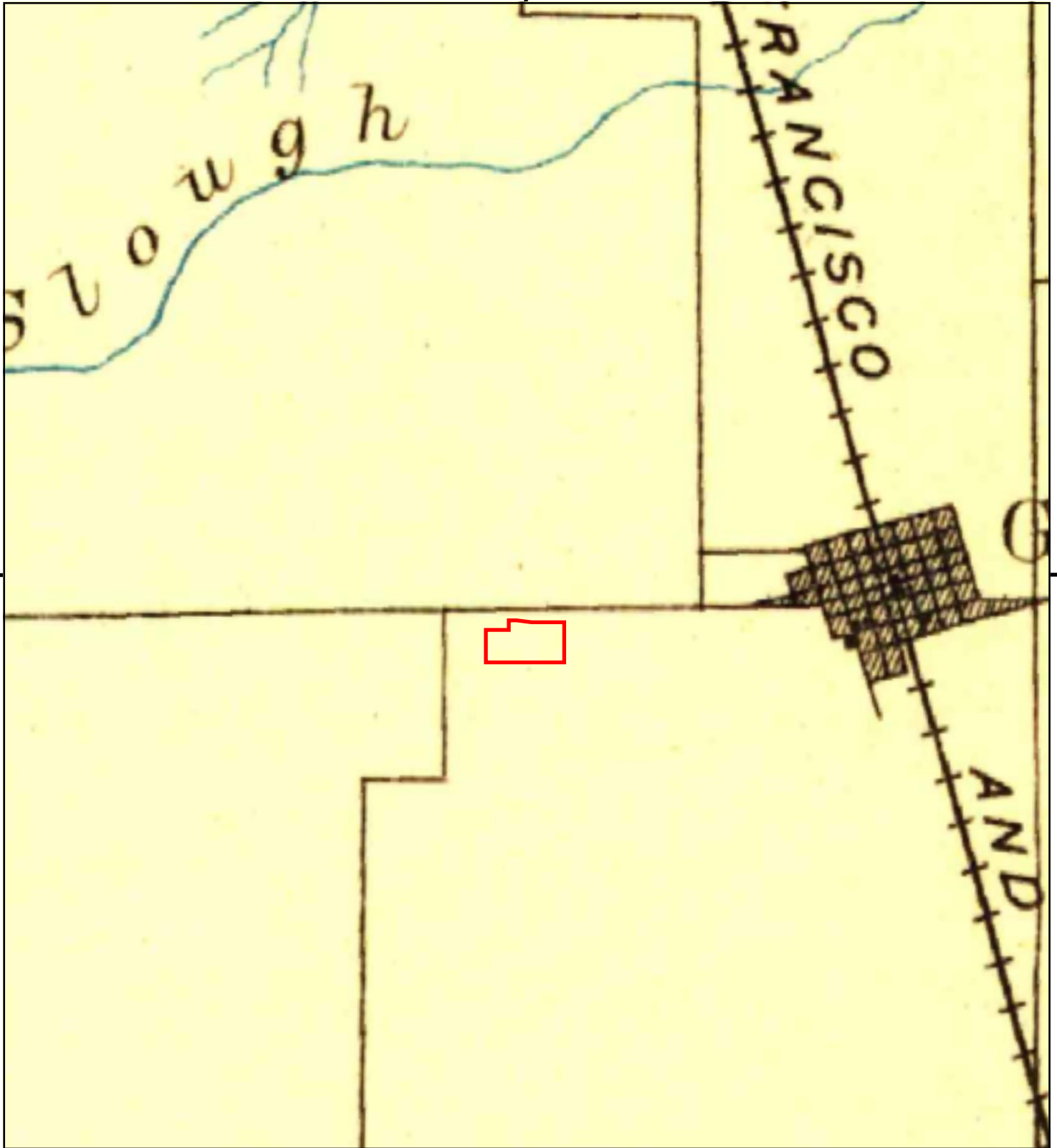
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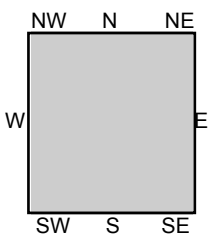
TP, Gridley, 1912, 7.5-minute
N, Biggs, 1912, 7.5-minute

SITE NAME: CHIP Gridley Phase I ESA
ADDRESS: APN 010-270-121
Gridley, CA 95948
CLIENT: Broadbent & Associates, Inc.





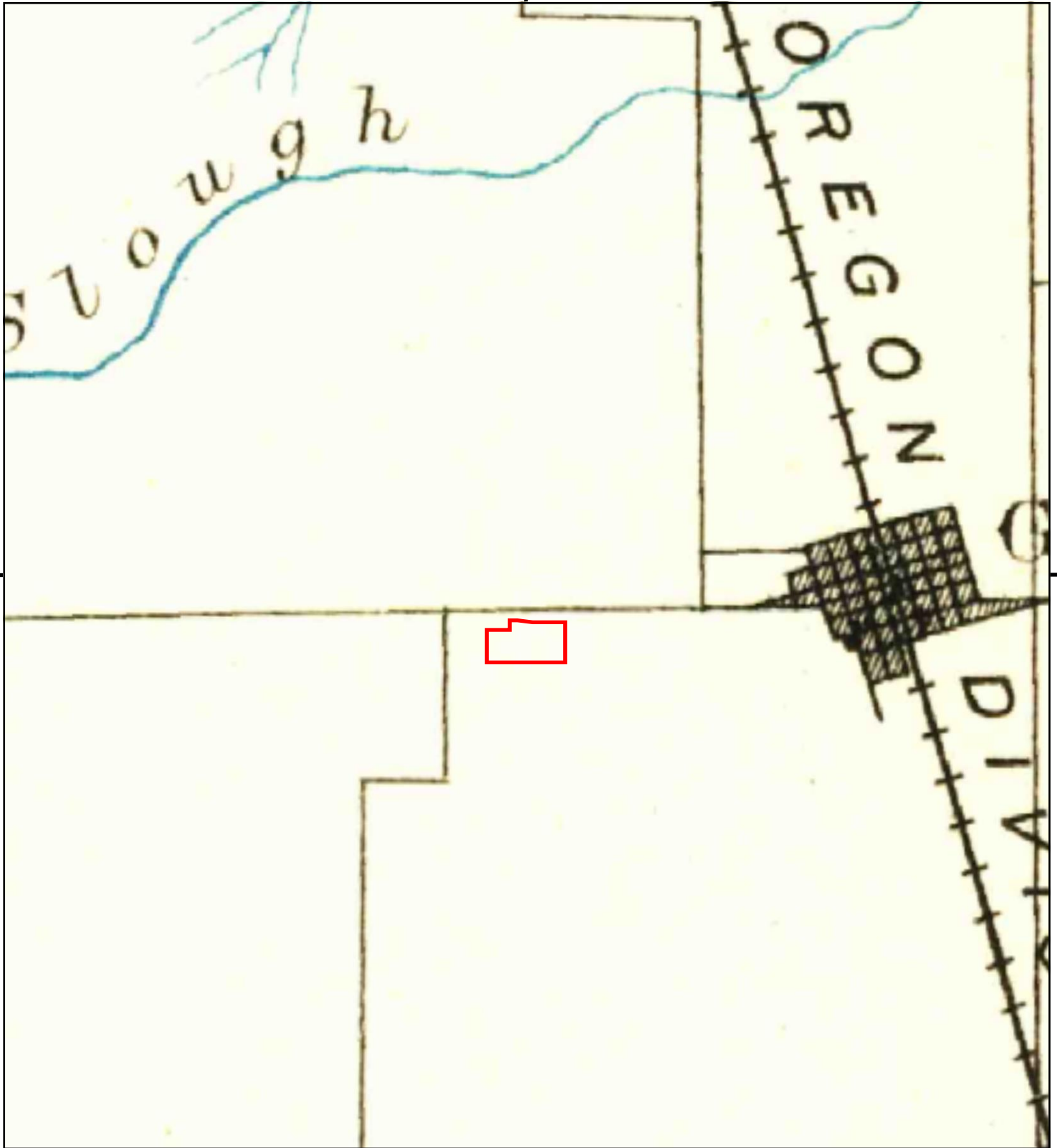
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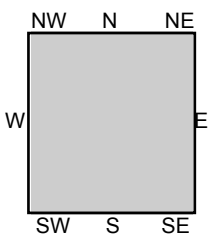
TP, Marysville, 1895, 30-minute

SITE NAME: CHIP Gridley Phase I ESA
 ADDRESS: APN 010-270-121
 Gridley, CA 95948
 CLIENT: Broadbent & Associates, Inc.





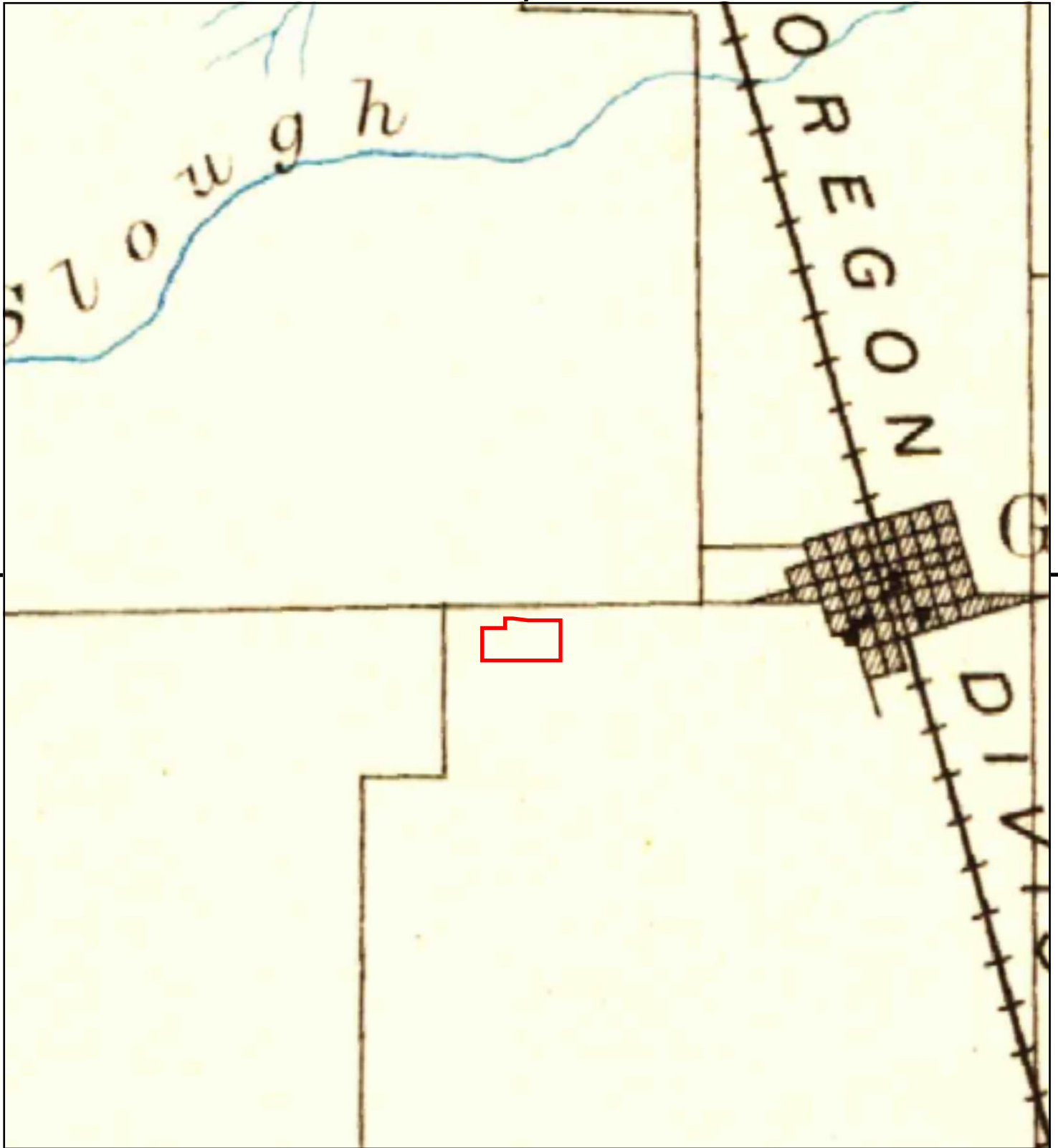
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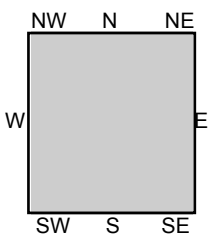
TP, Marysville, 1894, 30-minute

SITE NAME: CHIP Gridley Phase I ESA
 ADDRESS: APN 010-270-121
 Gridley, CA 95948
 CLIENT: Broadbent & Associates, Inc.





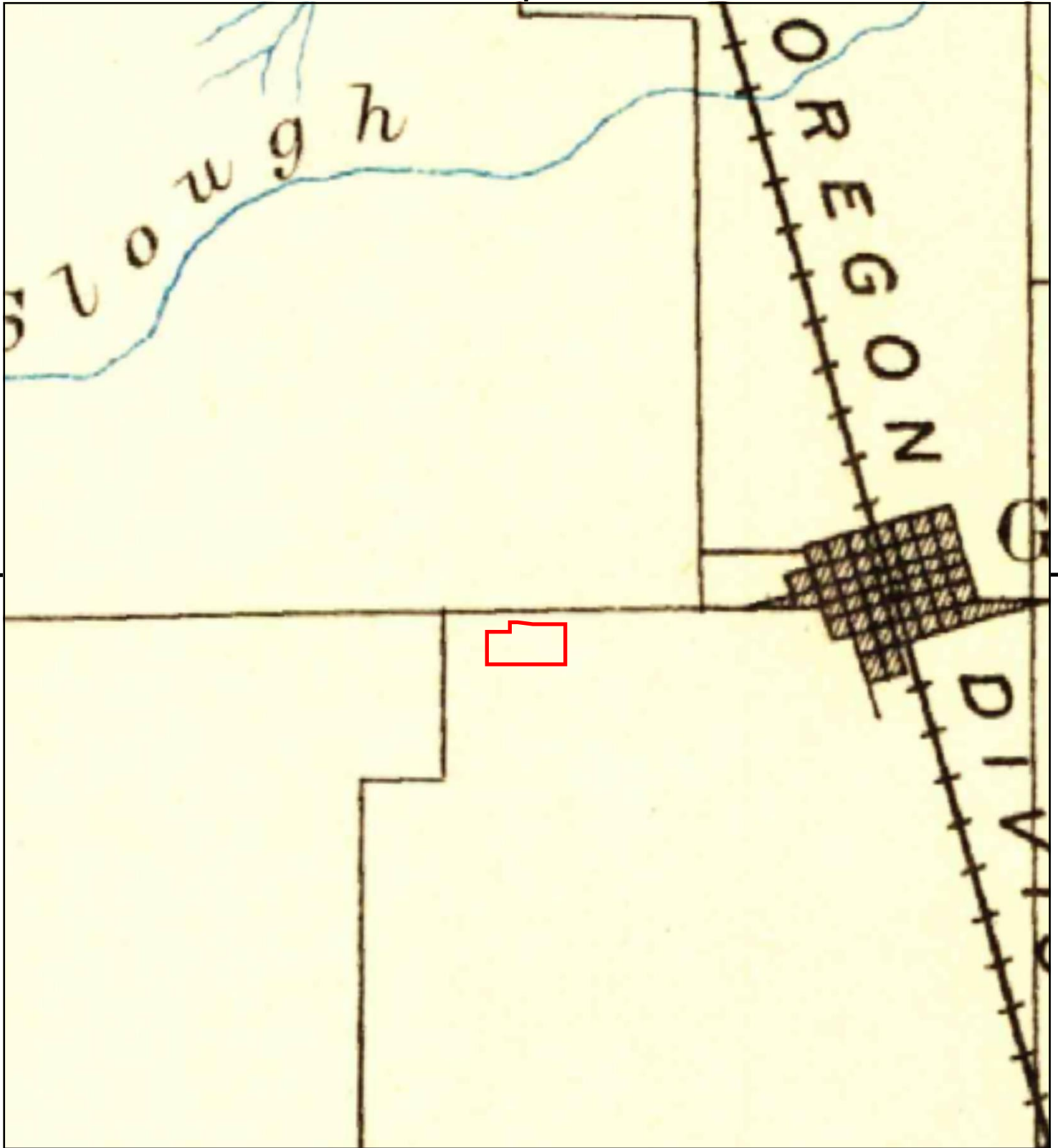
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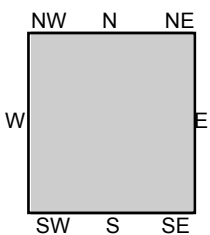
TP, Marysville, 1891, 30-minute

SITE NAME: CHIP Gridley Phase I ESA
 ADDRESS: APN 010-270-121
 Gridley, CA 95948
 CLIENT: Broadbent & Associates, Inc.





This report includes information from the following map sheet(s).



TP, Marysville, 1888, 30-minute

SITE NAME: CHIP Gridley Phase I ESA
 ADDRESS: APN 010-270-121
 Gridley, CA 95948
 CLIENT: Broadbent & Associates, Inc.



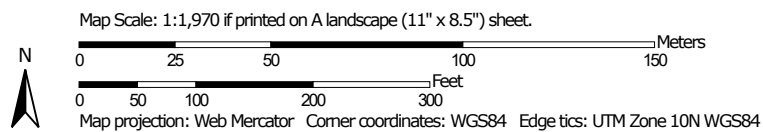
APPENDIX D

Other Environmental Reports

Soil Map—Butte Area, California, Parts of Butte and Plumas Counties
(CHIP Gridley)



Soil Map may not be valid at this scale.



Soil Map—Butte Area, California, Parts of Butte and Plumas Counties
(CHIP Gridley)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Butte Area, California, Parts of Butte and Plumas Counties

Survey Area Data: Version 18, Sep 6, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 6, 2018—Dec 12, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
126	Liveoak sandy loam, 0 to 2 percent slopes	9.7	64.4%
127	Gridley taxadjunct loam, 0 to 2 percent slopes	5.4	35.6%
Totals for Area of Interest		15.1	100.0%

Butte Area, California, Parts of Butte and Plumas Counties

127—Gridley taxadjunct loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: hgvd

Elevation: 70 to 100 feet

Mean annual precipitation: 18 to 21 inches

Mean annual air temperature: 61 degrees F

Frost-free period: 240 to 245 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Gridley taxadjunct, loam, and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gridley Taxadjunct, Loam

Setting

Landform: Terraces

Landform position (two-dimensional): Toeslope

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loamy and clayey alluvium over cemented loamy alluvium derived from igneous and metamorphic rock

Typical profile

A - 0 to 10 inches: loam

Bt - 10 to 20 inches: clay loam

Btk - 20 to 22 inches: clay

2Bkqm - 22 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: 20 to 40 inches to duripan

Drainage class: Somewhat poorly drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Very low to low (0.00 to 0.01 in/hr)

Depth to water table: About 5 to 40 inches

Frequency of flooding: NoneRare

Frequency of ponding: Occasional

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water supply, 0 to 60 inches: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): 3w

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: D

Hydric soil rating: No

Minor Components

Unnamed, frequently flooded

Percent of map unit: 5 percent

Landform: Terraces

Down-slope shape: Concave

Across-slope shape: Concave

Hydric soil rating: Yes

Unnamed, duripan greater than 40 inches

Percent of map unit: 2 percent

Landform: Terraces

Down-slope shape: Concave

Across-slope shape: Concave

Hydric soil rating: No

Unnamed, duripan less than 20 inches

Percent of map unit: 2 percent

Landform: Terraces

Down-slope shape: Concave

Across-slope shape: Concave

Hydric soil rating: No

Mollic haploxeralfs, fine-loamy

Percent of map unit: 2 percent

Landform: Terraces

Down-slope shape: Concave

Across-slope shape: Concave

Hydric soil rating: No

Typic haploxerolls, fine-loamy

Percent of map unit: 2 percent

Landform: Terraces

Down-slope shape: Concave

Across-slope shape: Concave

Hydric soil rating: No

Typic argixerolls, fine-loamy

Percent of map unit: 2 percent

Landform: Terraces

Down-slope shape: Concave

Across-slope shape: Concave

Hydric soil rating: No

Data Source Information

Soil Survey Area: Butte Area, California, Parts of Butte and Plumas Counties

Survey Area Data: Version 18, Sep 6, 2021

Butte Area, California, Parts of Butte and Plumas Counties

126—Liveoak sandy loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: hgvc

Elevation: 90 to 110 feet

Mean annual precipitation: 19 to 21 inches

Mean annual air temperature: 61 to 63 degrees F

Frost-free period: 240 to 250 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Liveoak, sandy loam, and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Liveoak, Sandy Loam

Setting

Landform: Terraces

Landform position (two-dimensional): Toeslope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loamy and sandy alluvium derived from igneous and metamorphic rock

Typical profile

Ap1 - 0 to 4 inches: sandy loam

Ap2 - 4 to 17 inches: sandy loam

Bw1 - 17 to 37 inches: sandy loam

Bw2 - 37 to 48 inches: sandy loam

Bw3 - 48 to 61 inches: sandy loam

C1 - 61 to 71 inches: sand

C2 - 71 to 75 inches: gravelly sand

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Moderately well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.43 to 2.98 in/hr)

Depth to water table: About 11 to 40 inches

Frequency of flooding: Very rareNone

Frequency of ponding: None

Calcium carbonate, maximum content: 1 percent

Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 3s

Hydrologic Soil Group: B

Hydric soil rating: No

Minor Components

Unnamed, light surface colors

Percent of map unit: 3 percent

Landform: Terraces

Hydric soil rating: No

Loemstone, loam

Percent of map unit: 2 percent

Landform: Stream terraces

Hydric soil rating: No

Urban land

Percent of map unit: 2 percent

Gridley taxadjunct, clay loam

Percent of map unit: 2 percent

Landform: Terraces

Hydric soil rating: No

Xerofluvents, coarse loamy

Percent of map unit: 2 percent

Landform: Channels

Hydric soil rating: No

Boga, loam

Percent of map unit: 2 percent

Landform: Stream terraces

Hydric soil rating: No

Liveoak, sandy clay loam

Percent of map unit: 2 percent

Landform: Channels

Hydric soil rating: No

Data Source Information

Soil Survey Area: Butte Area, California, Parts of Butte and Plumas Counties

Survey Area Data: Version 18, Sep 6, 2021

CHIP Gridley Phase I ESA

APN 010-270-121

Gridley, CA 95948

Inquiry Number: 6993765.5

May 27, 2022

The EDR-City Directory Image Report

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
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 city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive 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.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	☐	☒	EDR Digital Archive
2014	☐	☒	EDR Digital Archive
2010	☐	☒	EDR Digital Archive
2005	☐	☒	EDR Digital Archive
2000	☐	☒	EDR Digital Archive
1995	☐	☒	EDR Digital Archive
1990	☐	☒	Haines Criss-Cross Directory
1986	☐	☒	Haines Criss-Cross Directory
1981	☐	☐	Haines Criss-Cross Directory
1975	☐	☐	Haines Criss-Cross Directory
1971	☐	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

APN 010-270-121
Gridley, CA 95948

No Addresses Found

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>PALM LN</u>			
2017	pg. A1	EDR Digital Archive	
2014	pg. A2	EDR Digital Archive	
2010	pg. A3	EDR Digital Archive	
2005	pg. A4	EDR Digital Archive	
2000	pg. A5	EDR Digital Archive	
1995	pg. A6	EDR Digital Archive	
1990	pg. A7	Haines Criss-Cross Directory	
1986	pg. A8	Haines Criss-Cross Directory	
1981	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

PALM LN**2017**

1565 DOWNING, KEVIN P
1581 CARTER, AUDREY J

PALM LN**2014**

1565 OCCUPANT UNKNOWN,
1581 CARTER, AUDREY J

PALM LN**2010**

1565 DOWNING, KEVIN P
1581 CARTER, AUDREY J

PALM LN

2005

1565 DOWNING, KEVIN P
1581 CARTER, AUDREY J

PALM LN

2000

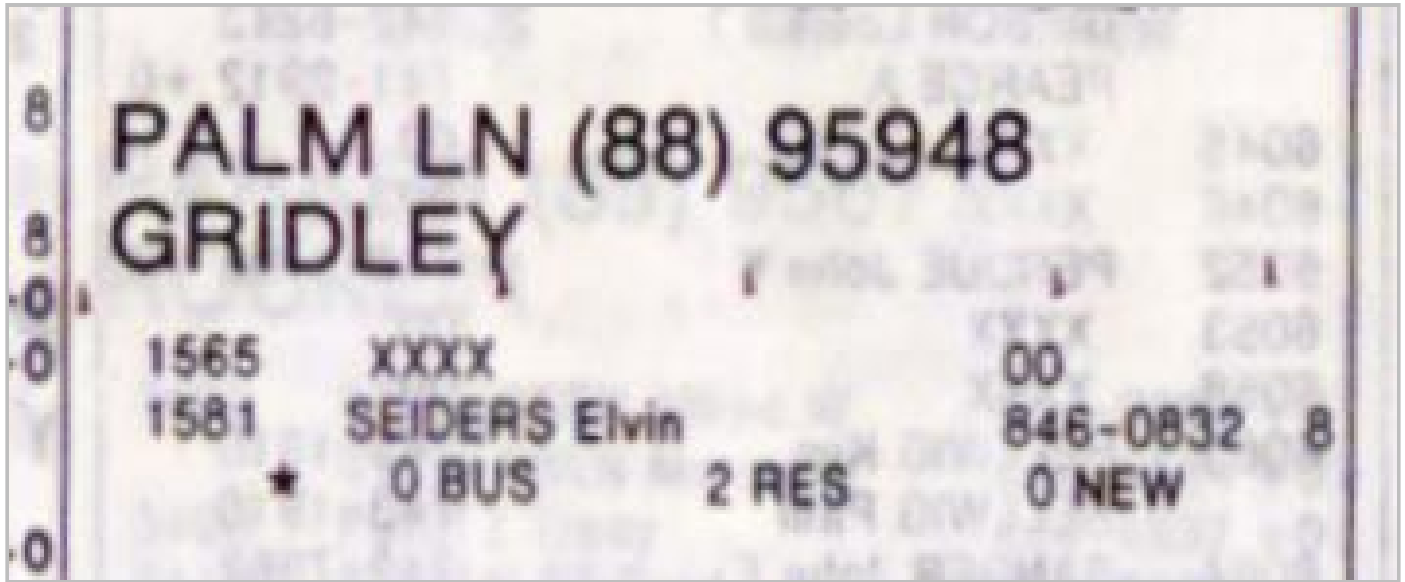
1565 DOWNING, KEVIN P

PALM LN

1995

1581 CARTER, GARY D

PALM LN 1990



PALM LN 1986

PALM LN 95948 GRIDLEY**1581****SALAZAR BRENDA S****0 BUS****1 RES****846-2979**



CHIP Gridley Phase I ESA

APN 010-270-121

Gridley, CA 95948

Inquiry Number: 6993765.3

May 24, 2022

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

05/24/22

Site Name:

CHIP Gridley Phase I ESA
APN 010-270-121
Gridley, CA 95948
EDR Inquiry # 6993765.3

Client Name:

Broadbent & Associates, Inc.
1370 Ridgewood Drive Suite 5
Chico, CA 95973-0000
Contact: Chelsea Meddings



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Broadbent & Associates, Inc. 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 # 87A4-49B9-B760

PO # 22-08-120

Project CHIP Gridley Phase I ESA

UNMAPED 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 #: 87A4-49B9-B760

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- ☒ University Publications of America
- ☒ EDR Private Collection

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APPENDIX E

Site Reconnaissance Photographs



Photograph 1, view facing south: Overview of Subject Property viewed from center of northern property boundary.



Photograph 2, view facing east: Northwest corner of Subject Property.



Photograph 3, view facing east: Southwest corner of Subject Property.



Photograph 4, view facing north: Southwest corner of Subject Property.



Photograph 5, view facing west: Southeast corner of Subject Property.



Photograph 6, view facing north: Southeast corner of Subject Property.



Photograph 7, view facing south: Northeast corner of Subject Property.



Photograph 8, view facing north: A concrete debris pile, rusted 55-gallon drum, and metal debris on the north edge of the Subject Property.



Photograph 9, view facing south: A 10-inch diameter, 4 ft tall vertical, capped PVC pipe.



Photograph 10, view facing east: a sign indicating a buried power line at the north edge of Subject Property.



Photograph 11, view facing down: 10-inch PVC pipe flush with ground surface located at the north edge of Subject Property. Depth and purpose undetermined.



Photograph 12, view facing southwest: Plastic tarp located along the eastern boundary of Subject Property.



Photograph 13, view facing northwest: Example of 10-inch diameter capped PVC vertical pipes.



Photograph 14, view facing north: 10-inch capped PVC vertical pipe.



Photograph 15, view facing north: View with multiple 10-inch diameter vertical PVC pipes.



Photograph 16, view facing west: Electric transformer box located at the east edge of the Subject Property.



Photograph 17, view facing north: 1565 Palm Ln. at the northwest edge of Subject Property.



Photograph 18, view facing north: 2101 Jay Dr. at the northeast edge of the Subject Property.



Photograph 19, view facing northeast: 2029 Jay Dr. at the northeast edge of the Subject Property.



Photograph 20, view facing east: orchard at the east edge of Subject Property.



Photograph 21, view facing south: orchard at the south edge of the Subject Property.



Photograph 22, view facing northwest: canal at the northwest corner of the Subject Property.



Photograph 23, view facing north: trees with orchard behind at the west edge of the Subject Property.

APPENDIX F

Preliminary Title Report



Mid Valley Title & Escrow Company

601 Main Street, Chico, CA 95928

Affiliated with

First American Title Insurance Company

Escrow Officer: Tami Renae Barlow
Phone: (530)893-5644
Fax No.: (866)739-4927
E-Mail: tbarlow@firstam.com

E-Mail Loan Documents to: ChicoEdocs.ca@firstam.com

Title Officer: Vicki Petrucha
Phone: (530)893-5644
Fax No.: (530)893-1853
E-Mail: vpetrucha@firstam.com

Buyer:
Owner: Munveer Cheema and Jasvir Cheema and Harminder Sohal and Harinder Sohal
Property: 591 Colusa Highway
Gridley, CA 95991

PRELIMINARY REPORT

In response to the above referenced application for a policy of title insurance, this company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Exhibit A attached. *The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties.* Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

Please be advised that any provision contained in this document, or in a document that is attached, linked or referenced in this document, that under applicable law illegally discriminates against a class of individuals based upon personal characteristics such as race, color, religion, sex, sexual orientation, gender identity, familial status, disability, national origin, or any other legally protected class, is illegal and unenforceable by law.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

Dated as of May 10, 2022 at 7:30 A.M.

The form of Policy of title insurance contemplated by this report is:

ALTA Standard Owner Policy

A specific request should be made if another form or additional coverage is desired.

Title to said estate or interest at the date hereof is vested in:

Jasvir Singh Mann and Munveer Kaur Cheema, husband and wife as joint tenants and Harminder Singh Sohal and Harinder Kaur Sohal, husband and wife as joint tenants

The estate or interest in the land hereinafter described or referred to covered by this Report is:

A fee as to Parcel(s) I, an easement as to Parcel(s) II and III.

The Land referred to herein is described as follows:

(See attached Legal Description)

At the date hereof exceptions to coverage in addition to the printed Exceptions and Exclusions in said policy form would be as follows:

1. General and special taxes and assessments for the fiscal year 2022-2023, a lien not yet due or payable.
2. The lien of supplemental taxes, if any, assessed pursuant to Chapter 3.5 commencing with Section 75 of the California Revenue and Taxation Code.

RE-CHECK SUPPLEMENTAL TAXES PRIOR TO THE CLOSE OF ESCROW.

3. The herein described land lies within the bounds of Sacramento and San Joaquin Drainage District.
4. The herein described land lies within the bounds of Reclamation District No. 833.
5. The herein described land lies within the bounds of Biggs-West Gridley Water District.
6. The herein described land lies within the bounds of Sutter-Butte Flood Control Agency Assessment District, as contained in document recorded September 29, 2010 as Serial No. [2010-0033912](#) of Official Records.
7. An easement for necessary irrigation and drainage ditches and canals and incidental purposes in the document recorded December 15, 1910 in [Book 118 of Deeds, Page 331](#).

The location of the easement cannot be determined from record information.

8. An Easement pursuant to Section 22438 of the Water Code for the maintenance, repair, cleaning, operation, and control of the open canal or other water conveyance facility and other incidental purposes related thereto along each side of the open canal or other water conveyance facility described in Instrument recorded on December 15, 1910 as [Book 118 of Deeds, Page 331](#).
9. An easement for ingress and egress for repair and maintenance of ditch and incidental purposes in the document recorded March 25, 1918 in [Book 170 of Deeds, Page 44](#).

Affects along the Northerly boundary adjacent to the Biggs-West Gridley Lateral No. 8.

10. An easement for public utility purposes and incidental purposes in the document recorded September 20, 1978 as [Book 2327, Page 95](#) of Official Records.

Affects a Northeasterly portion.

11. The terms and provisions contained in the document entitled Cost Sharing Agreement recorded August 22, 2008 as Serial No. [2008-0031732](#) of Official Records.
12. Easements, set back lines, and note(s) if any, as shown or dedicated by Parcel Map filed December 3, 2009, in [Book 178, at Page\(s\) 78, 79, 80 and 81](#), of Maps.

Additional Information Document recorded December 3, 2009, Serial No. [2009-0043548](#).

13. A deed of trust to secure an original indebtedness of \$217,750.00 recorded October 3, 2017 as Serial No. [2017-0035386](#) of Official Records.

Dated:	August 29, 2017
Trustor:	Jasvir Singh Mann and Munveer Kaur Cheema, husband and wife; and Harminder Singh Sohal and Harinder Kaur Sohal, husband and wife
Trustee:	Farm Credit West, FLCA
Beneficiary:	Farm Credit West, FLCA, a Corporation

14. Water rights, claims or title to water, whether or not shown by the public records.

VP:md

INFORMATIONAL NOTES

Note: The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than the certain dollar amount set forth in any applicable arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. If you desire to review the terms of the policy, including any arbitration clause that may be included, contact the office that issued this Commitment or Report to obtain a sample of the policy jacket for the policy that is to be issued in connection with your transaction.

1. Taxes for proration purposes only for the fiscal year 2021-2022.
First Installment: \$1,921.55, PAID
Second Installment: \$1,921.55, PAID
Tax Rate Area: 003-028
APN: 010-270-121

2. The Vestee herein acquired Title by Document (s) Recorded October 3, 2017, Serial No. 2017-0035385.

The map attached, if any, may or may not be a survey of the land depicted hereon. Mid Valley Title & Escrow Company expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of the title insurance policy, if any, to which this map is attached.

LEGAL DESCRIPTION

Real property in the City of Gridley, County of Butte, State of California, described as follows:

PARCEL I:

PARCEL 1, AS SHOWN ON THAT CERTAIN PARCEL MAP, FILED IN THE OFFICE OF THE RECORDER OF THE COUNTY OF BUTTE, STATE OF CALIFORNIA, ON DECEMBER 3, 2009, IN BOOK 178 OF MAPS, AT PAGE(S) 78, 79, 80 AND 81.

PARCEL II:

AN EASEMENT 60.0 FEET IN WIDTH FOR ROAD AND PUBLIC UTILITY PURPOSES, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 1, AS SHOWN ON THAT CERTAIN MAP ENTITLED, "MAP OF GRIDLEY COLONY NO. 9", WHICH MAP WAS RECORDED IN THE OFFICE OF THE RECORDER OF THE COUNTY OF BUTTE, STATE OF CALIFORNIA, ON JULY 10, 1907, IN BOOK 6 OF MAPS, AT PAGE(S) 58, SAID POINT OF COMMENCEMENT BEING ON THE SOUTH LINE OF THE GRIDLEY-COLUSA ROAD; THENCE ALONG THE SOUTH LINE OF SAID GRIDLEY-COLUSA ROAD, NORTH 89 DEG. 50' EAST, 210.0 FEET TO THE TRUE POINT OF BEGINNING OF SAID EASEMENT; THENCE SOUTH 5 DEG. 16' EAST, 397.5 FEET; THENCE NORTH 89 DEG. 21' EAST, 123.0 FEET; THENCE SOUTH 0 DEG. 39' EAST, 50.0 FEET; THENCE NORTH 89 DEG. 21' EAST, 60.0 FEET; THENCE NORTH 0 DEG. 39' WEST, 110.0 FEET; THENCE SOUTH 89 DEG. 21' WEST, 123.0 FEET; THENCE NORTH 5 DEG. 16' WEST TO THE SOUTH LINE OF SAID GRIDLEY-COLUSA ROAD; THENCE ALONG SAID GRIDLEY-COLUSA ROAD, SOUTH 89 DEG. 50' WEST, 60.0 FEET, MORE OR LESS, TO THE TRUE POINT OF BEGINNING.

EXCEPTING THEREFROM ALL THAT PORTION LYING WITHIN THE BOUNDS OF PARCEL I, DESCRIBED HEREIN.

PARCEL III:

AN EASEMENT FOR DRAINAGE PURPOSES, 50 FEET WIDE ALONG THE WESTERLY BOUNDARY LINE OF THE REMAINDER PARCEL, AS SHOWN ON THAT CERTAIN PARCEL MAP, FILED IN THE OFFICE OF THE RECORDER OF THE COUNTY OF BUTTE, STATE OF CALIFORNIA, ON SEPTEMBER 21, 2005, IN BOOK 165 OF MAPS, AT PAGE(S) 1 AND 2.

APN: 010-270-121

NOTICE

Section 12413.1 of the California Insurance Code, effective January 1, 1990, requires that any title insurance company, underwritten title company, or controlled escrow company handling funds in an escrow or sub-escrow capacity, wait a specified number of days after depositing funds, before recording any documents in connection with the transaction or disbursing funds. This statute allows for funds deposited by wire transfer to be disbursed the same day as deposit. In the case of cashier's checks or certified checks, funds may be disbursed the next day after deposit. In order to avoid unnecessary delays of three to seven days, or more, please use wire transfer, cashier's checks, or certified checks whenever possible.

If you have any questions about the effect of this new law, please contact your local Mid Valley Title & Escrow Company Office for more details.

EXHIBIT A
LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS (BY POLICY TYPE)

CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (02-03-10)
EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - (a) building;
 - (b) zoning;
 - (c) land use;
 - (d) improvements on the Land;
 - (e) land division; and
 - (f) environmental protection.This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
 - (a) that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - (b) that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - (c) that result in no loss to You; or
 - (d) that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
6. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - (b) in streets, alleys, or waterways that touch the Land.This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows: For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

<u>Your Deductible Amount</u>	<u>Our Maximum Dollar Limit of Liability</u>
Covered Risk 16: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$10,000.00
Covered Risk 18: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 19: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 21: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$5,000.00

ALTA RESIDENTIAL TITLE INSURANCE POLICY (6-1-87)
EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning:
 - (a) and use
 - (b) improvements on the land
 - (c) and division
 - (d) environmental protectionThis exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date.
This exclusion does not limit the zoning coverage described in Items 12 and 13 of Covered Title Risks.
2. The right to take the land by condemning it, unless:
 - (a) a notice of exercising the right appears in the public records on the Policy Date
 - (b) the taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking
3. Title Risks:
 - (a) that are created, allowed, or agreed to by you
 - (b) that are known to you, but not to us, on the Policy Date -- unless they appeared in the public records
 - (c) that result in no loss to you
 - (d) that first affect your title after the Policy Date -- this does not limit the labor and material lien coverage in Item 8 of Covered Title Risks
4. Failure to pay value for your title.
5. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in Item 3 of Schedule A OR
 - (b) in streets, alleys, or waterways that touch your landThis exclusion does not limit the access coverage in Item 5 of Covered Title Risks.

2006 ALTA LOAN POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
 (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

2006 ALTA OWNER'S POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
 (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.

2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 or 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
 (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.

9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.



Privacy Notice

Effective: October 1, 2019

Notice Last Updated: January 1, 2022

This Privacy Notice describes how First American Financial Corporation and its subsidiaries and affiliates (together referred to as "First American," "we," "us," or "our") collect, use, store, and share your information with the exception that a subsidiary or affiliate has their own privacy policy, that policy governs. This Privacy Notice applies to information we receive from you offline only, as well as from third parties, when you interact with us and/or use and access our services and products ("Products"). For more information about our privacy practices, including our online practices, please visit <https://www.firstam.com/privacy-policy/>. The practices described in this Privacy Notice are subject to applicable laws in the places in which we operate.

What Type Of Information Do We Collect About You? We collect a variety of categories of information about you. To learn more about the categories of information we collect, please visit <https://www.firstam.com/privacy-policy/>.

How Do We Collect Your Information? We collect your information: (1) directly from you; (2) automatically when you interact with us; and (3) from third parties, including business parties and affiliates.

How Do We Use Your Information? We may use your information in a variety of ways, including but not limited to providing the services you have requested, fulfilling your transactions, comply with relevant laws and our policies, and handling a claim. To learn more about how we may use your information, please visit <https://www.firstam.com/privacy-policy/>.

How Do We Share Your Information? We do not sell your personal information. We only share your information, including to subsidiaries, affiliates, and to unaffiliated third parties: (1) with your consent; (2) in a business transfer; (3) to service providers; and (4) for legal process and protection. To learn more about how we share your information, please visit <https://www.firstam.com/privacy-policy/>.

How Do We Store and Protect Your Information? The security of your information is important to us. That is why we take commercially reasonable steps to make sure your information is protected. We use our best efforts to maintain commercially reasonable technical, organizational, and physical safeguards, consistent with applicable law, to protect your information.

How Long Do We Keep Your Information? We keep your information for as long as necessary in accordance with the purpose for which it was collected, our business needs, and our legal and regulatory obligations.

Your Choices We provide you the ability to exercise certain controls and choices regarding our collection, use, storage, and sharing of your information. You can learn more about your choices by visiting <https://www.firstam.com/privacy-policy/>.

International Jurisdictions: Our Products are offered in the United States of America (US), and are subject to US federal, state, and local law. If you are accessing the Products from another country, please be advised that you may be transferring your information to us in the US, and you consent to that transfer and use of your information in accordance with this Privacy Notice. You also agree to abide by the applicable laws of applicable US federal, state, and local laws concerning your use of the Products, and your agreements with us.

We may change this Privacy Notice from time to time. Any and all changes to this Privacy Notice will be reflected on this page, and where appropriate provided in person or by another electronic method. **YOUR CONTINUED USE, ACCESS, OR INTERACTION WITH OUR PRODUCTS OR YOUR CONTINUED COMMUNICATIONS WITH US AFTER THIS NOTICE HAS BEEN PROVIDED TO YOU WILL REPRESENT THAT YOU HAVE READ AND UNDERSTOOD THIS PRIVACY NOTICE.**

Contact Us dataprivacy@firstam.com or toll free at 1-866-718-0097.



For California Residents

If you are a California resident, you may have certain rights under California law, including but not limited to the California Consumer Privacy Act of 2018 ("CCPA"). All phrases used in this section shall have the same meaning as those phrases are used under California law, including the CCPA.

Right to Know. You have a right to request that we disclose the following information to you: (1) the categories of personal information we have collected about or from you; (2) the categories of sources from which the personal information was collected; (3) the business or commercial purpose for such collection and/or disclosure; (4) the categories of third parties with whom we have shared your personal information; and (5) the specific pieces of your personal information we have collected. To submit a verified request for this information, go to our online privacy policy at www.firstam.com/privacy-policy to submit your request or call toll-free at 1-866-718-0097. You may also designate an authorized agent to submit a request on your behalf by going to our online privacy policy at www.firstam.com/privacy-policy to submit your request or by calling toll-free at 1-866-718-0097

Right of Deletion. You also have a right to request that we delete the personal information we have collected from and about you. This right is subject to certain exceptions available under the CCPA and other applicable law. To submit a verified request for deletion, go to our online privacy policy at www.firstam.com/privacy-policy to submit your request or call toll-free at 1-866-718-0097. You may also designate an authorized agent to submit a request on your behalf by going to our online privacy policy at www.firstam.com/privacy-policy to submit your request or by calling toll-free at 1-866-718-0097.

Verification Process. For either a request to know or delete, we will verify your identity before responding to your request. To verify your identity, we will generally match the identifying information provided in your request with the information we have on file about you. Depending on the sensitivity of the information requested, we may also utilize more stringent verification methods to verify your identity, including but not limited to requesting additional information from you and/or requiring you to sign a declaration under penalty of perjury.

Notice of Sale. We do not sell California resident information, nor have we sold California resident information in the past 12 months. To the extent any First American affiliated entity has a different practice, it will be stated in the applicable privacy policy. We have no actual knowledge of selling the information of minors under the age of 16.

Right of Non-Discrimination. You have a right to exercise your rights under California law, including under the CCPA, without suffering discrimination. Accordingly, First American will not discriminate against you in any way if you choose to exercise your rights under the CCPA.

Notice of Collection. To learn more about the categories of personal information we have collected about California residents over the last 12 months, please see "What Information Do We Collect About You" in <https://www.firstam.com/privacy-policy>. To learn about the sources from which we have collected that information, the business and commercial purpose for its collection, and the categories of third parties with whom we have shared that information, please see "How Do We Collect Your Information", "How Do We Use Your Information", and "How Do We Share Your Information" in <https://www.firstam.com/privacy-policy>.

Notice of Sale. We have not sold the personal information of California residents in the past 12 months.

Notice of Disclosure. To learn more about the categories of personal information we may have disclosed about California residents in the past 12 months, please see "How Do We Use Your Information" and "How Do We Share Your Information" in <https://www.firstam.com/privacy-policy>.

APPENDIX G

Qualifications

PROFESSIONAL EXPERIENCE

- Over 18 years

EDUCATION

- B.S. Environmental Science, University of North Carolina, Asheville (2000)

SAFETY TRAINING

- OSHA 40-Hour HAZWOPER
- OSHA 8-Hour HAZWOPER Refresher
- AHA First Aid and CPR Trained

OTHER RELATIVE TRAINING

- ASTM Technical Training, Phase I Environmental Site Assessments for Commercial Real Estate, October 2006
- ASTM Technical Training, Vapor Encroachment Screening on Property Involved in Real Estate Transactions, December 2014
- ASTM Phase I and Phase II Environmental Site Assessments for Commercial Real Estate, September 2018

REGISTRATIONS

- Certified Environmental Manager, Nevada

BACKGROUND

- Project and Client Management
- Phase I/II Environmental Site Assessments
- Transaction Screen Questionnaires
- Site characterization
- System operation oversight
- Soil and Groundwater Remediation
- Preparation of maps, lithologic logs, system design drawings
- Report preparation
- Permitting
- Nevada Petroleum Fund work
- California UST Cleanup Fund work

Ms. Holst is a Certified Environmental Manager with over 18 years of experience with the environmental consulting firm Broadbent & Associates, Inc. She has provided services for consultants, contractors, government agencies, industrial and manufacturing clients, the oil and gas industry, real estate agents, land developers, and commercial lenders throughout Nevada, California, Arizona and Utah.

Ms. Holst has significant experience in due diligence assessments for a variety of property types, as well as the needs and requirements of varied number of reporting standards, including ASTM standards, EPA's All Appropriate Inquiry (AAI), and customized client formats. Specifically, Ms. Holst has performed Phase I Environmental Site Assessments (ESAs), Environmental Transaction Screens, and Phase II Subsurface Investigations.

Ms. Holst also has experience with the remediation of soil and groundwater contamination resulting from leaking underground storage tanks. Experience includes the operation and maintenance of soil vapor extraction and air sparge remediation systems and site characterization activities including soil boring and groundwater monitoring well installations. In addition to field activities, Ms. Holst has prepared monitoring and data reports for submission to clients, the Nevada Division of Environmental Protection, and the California State Water Resources Control Board. Ms. Holst routinely utilizes AutoCAD software to prepare maps, lithologic logs, monitoring well construction diagrams, and remediation system design drawings.

Ms. Holst has experience reviewing permits issued by the Clark County Department of Air Quality, facility records, and logs to complete annual reports and prepare facility emission calculations on an annual basis.

Ms. Holst also has extensive knowledge of the Nevada Petroleum Fund and has prepared applications for coverage, Not-to-Exceed-Proposals, and request for reimbursement packages. She has also worked with the California Underground Storage Tank Cleanup Fund and has experience preparing and submitting budgets; proof of payment documentation; and filing reimbursement requests via the electronic invoice processing system.

PROFESSIONAL EXPERIENCE

Approximately five (5) years

EDUCATION

B.S Environmental Science,
California State University Chico

CERTIFICATION

CA Wastewater OIT
QISP

SAFETY TRAINING

OSHA 40-Hour HAZWOPER
Defensive Driver
First Aid, CPR, and AED
Bloodborne Pathogen

BACKGROUND

Phase I/II ESAs
Groundwater Monitoring/Sampling
Soil & Soil Vapor Sampling
Routine Compliance Reporting
Soil Bore Drilling Lithologic Logging
Fate & Transport Modeling
Water Treatment System O&M
Wastewater Treatment Sys. O&M

Ms. Meddings is an Environmental Scientist with approximately five (5) years of professional experience providing environmental consulting services. Ms. Meddings is currently responsible for scheduling and conduct of field activities, data evaluation, subcontractor management, and report preparation.

Ms. Meddings' project experience is associated with various clients consisting of private property owners, oil companies, and government entities. She has experience with projects located throughout California, Oregon, and Washington. Her specific areas of experience include: conduct subsurface investigations associated with unauthorized releases from UST systems (Phase II); conduct and preparation of Phase I environmental site assessments; preparation of sensitive receptor surveys and conceptual site models; groundwater water quality monitoring/sampling; conduct fate and transport modeling including regression analysis; and data evaluation. Field instrumentation experience includes: photoionization detector (PID), Water level indicator and interface probe, HACH kits, soil vapor sampling systems with helium tracer, pH/Cond/Temp, Myron L. Company Ultrameter, and Horiba Flow-Cell.

Ms. Meddings' educational experience includes water and soil science, organic chemistry, water quality research and laboratory analysis, aquatic ecology, pollution science, botany, zoology, statistical analysis, calculus, and physics.

SELECTED EXPERIENCE

- Supported the US EPA Region IX START contract by responding to the 2018 Butte County Fires in and around Paradise, California as a field team leader supporting crews removing household hazardous waste.
- Conducts quarterly groundwater monitoring and sampling, data evaluation, and report preparation associated with multiple investigation projects located in California, Oregon, and Washington including, but not limited to:
 - Flyers Energy Stations in Chico, Paradise, and Yuba City, California
 - Love's Travel Stops and Country Store facility, Corning, California
 - Pilot Travel Centers in California (Dunnigan), Oregon (Central Point, Brooks, Biggs Junction), and Washington (Ellensburg, Tacoma)
 - Gill Enterprises' sites: Former Quick N Shop and Full Stop Markets in Linda, California
 - Tri County Petroleum, Former Bulk Plant, Colusa, California.
 - Former Ellis Bulk Plant, Weaverville, California.
 - Golden Gate Petroleum sites in Hayward, Benicia, and Brentwood, California.
 - Lake Almanor Sports & Spirit, Lake Almanor, California.

- Responsible for conduct of weekly operation and maintenance activities on a private, transient, non-community water treatment system at Pilot Travel Center No. 168 in Dunnigan, Yolo County, California. Standard tasks include general system/well inspection, residual chlorine concentration measurements, and addition of chlorine to solution tank. Additional tasks include responding to emergency operational issues and implementing boil order notices if required.
- Assisted with contractor management and inspection activities associated with installation of a private potable water line in Tehama County, California.
- Performs weekly operation and maintenance activities at a private wastewater treatment system associated with Pilot Travel Center No. 168 in Dunnigan, Yolo County, California. Specific tasks include weekly system field inspections, general maintenance, data management, discharge compliance sampling, emergency spill response, and report preparation.
- Managed overall project activities associated with well abandonment and site closure at the former Tri County Bulk Plant in Colusa, California.
- Assisted with preparation of Phase I Environmental Site Assessments including, but not limited to: Community Housing Improvement Program (CHIP) locations in Chico, Williams, and Anderson California; Western Rivers Conservancy locations in Red Bluff and MacArthur, California; and two (2) New Urban Builders' locations in Chico, California.
- Assisted with data evaluation and Phase II Baseline Investigation Report associated with a cardlock facility in Arbuckle, Colusa County, California.
- Provided contractor oversight, sample collection, data evaluation, and reporting during Phase II subsurface investigation activities associated with delineation of impacted soil from former waste oil USTs at various Sites.
- Managed overall project activities associated with storm water monitoring/observation and event sampling at several UPS facilities in northern California.
- Assisted in initiating Phase II subsurface investigation, well installation and/or well abandonment activities associated with Gil Enterprises' locations in Marysville and Linda, California.
- Oversaw installation, abandonment and/or development of monitor and water supply wells at numerous locations in California and Oregon for clients such as Flyers Energy, Andeavor, and Pilot Travel Centers.
- Provided contractor oversight during conduct of a multi-day dual-phase extraction (DPE) event for Golden Gate Petroleum in Benicia, California. System operational evaluation included conduct of a stepped extraction test prior to conduct of constant rate extraction for residual mass removal. Field activities included: recording system data; monitoring extraction rates; collection of vapor and water samples; troubleshooting system operations; and assistance with equipment setup and takedown.
- Prepared and conducted a multi-day DPE event for Pilot Travel Centers in Biggs Junction, Oregon. Project activities included equipment rental, manifold construction, and full test implementation.