

# **APPENDIX AIR**

---

---

## AIR QUALITY MODELING OUTPUTS

# Pit River Burney Custom Report

## Table of Contents

1. Basic Project Information
  - 1.1. Basic Project Information
  - 1.2. Land Use Types
  - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
  - 2.1. Construction Emissions Compared Against Thresholds
  - 2.2. Construction Emissions by Year, Unmitigated
  - 2.3. Construction Emissions by Year, Mitigated
  - 2.4. Operations Emissions Compared Against Thresholds
  - 2.5. Operations Emissions by Sector, Unmitigated
  - 2.6. Operations Emissions by Sector, Mitigated
3. Construction Emissions Details
  - 3.1. Demolition (2024) - Unmitigated
  - 3.2. Demolition (2024) - Mitigated

3.3. Site Preparation (2024) - Unmitigated

3.4. Site Preparation (2024) - Mitigated

3.5. Grading (2024) - Unmitigated

3.6. Grading (2024) - Mitigated

3.7. Building Construction (2024) - Unmitigated

3.8. Building Construction (2024) - Mitigated

3.9. Building Construction (2025) - Unmitigated

3.10. Building Construction (2025) - Mitigated

3.11. Paving (2025) - Unmitigated

3.12. Paving (2025) - Mitigated

3.13. Architectural Coating (2025) - Unmitigated

3.14. Architectural Coating (2025) - Mitigated

#### 4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

### 5.2.2. Mitigated

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

### 5.3.2. Mitigated

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

## 5.5. Architectural Coatings

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

### 5.6.2. Construction Earthmoving Control Strategies

## 5.7. Construction Paving

## 5.8. Construction Electricity Consumption and Emissions Factors

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

### 5.9.2. Mitigated

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

### 5.10.3. Landscape Equipment

### 5.10.4. Landscape Equipment - Mitigated

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

### 5.11.2. Mitigated

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

### 5.12.2. Mitigated

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

### 5.13.2. Mitigated

## 5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

8. User Changes to Default Data



# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	Pit River Burney
Construction Start Date	6/1/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	48.8
Location	40.874812208457655, -121.677974762308
County	Shasta
City	Unincorporated
Air District	Shasta County AQMD
Air Basin	Sacramento Valley
TAZ	159
EDFZ	3
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.22

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
------------------	------	------	-------------	-----------------------	------------------------	--------------------------------	------------	-------------

Government Office Building	16.0	1000sqft	0.37	16,000	1,000	—	—	—
Day-Care Center	13.7	1000sqft	0.31	13,700	1,000	—	—	—
Single Family Housing	36.0	Dwelling Unit	8.60	70,200	421,663	—	89.0	—
Government Office Building	54.8	1000sqft	1.26	54,800	999	—	—	—
City Park	4.00	Acre	4.00	0.00	4.00	4.00	—	—
Parking Lot	59.0	1000sqft	1.35	0.00	100	—	—	—
Other Non-Asphalt Surfaces	9.31	1000sqft	0.21	0.00	0.00	—	—	—
Other Asphalt Surfaces	75.0	1000sqft	1.72	0.00	0.00	—	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Energy	E-2	Require Energy Efficient Appliances
Energy	E-12-A	Install Alternative Type of Water Heater in Place of Gas Storage Tank Heater in Residences
Water	W-4	Require Low-Flow Water Fixtures

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

## 2. Emissions Summary

## 2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.44	190	36.0	34.0	0.06	1.60	19.8	21.4	1.47	10.1	11.6	—	6,780	6,780	0.28	0.11	2.57	6,806
Mit.	4.44	190	36.0	34.0	0.06	1.60	7.80	9.40	1.47	3.97	5.44	—	6,780	6,780	0.28	0.11	2.57	6,806
% Reduced	—	—	—	—	—	—	61%	56%	—	61%	53%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.11	2.61	23.2	28.4	0.05	1.00	0.43	1.43	0.92	0.10	1.03	—	5,528	5,528	0.22	0.11	0.07	5,566
Mit.	3.11	2.61	23.2	28.4	0.05	1.00	0.43	1.43	0.92	0.10	1.03	—	5,528	5,528	0.22	0.11	0.07	5,566
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.42	10.9	10.9	11.8	0.02	0.47	1.42	1.89	0.43	0.61	1.04	—	2,276	2,276	0.09	0.04	0.32	2,289
Mit.	1.42	10.9	10.9	11.8	0.02	0.47	0.63	1.10	0.43	0.26	0.69	—	2,276	2,276	0.09	0.04	0.32	2,289
% Reduced	—	—	—	—	—	—	56%	42%	—	58%	34%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.26	1.99	2.00	2.15	< 0.005	0.09	0.26	0.35	0.08	0.11	0.19	—	377	377	0.02	0.01	0.05	379
Mit.	0.26	1.99	2.00	2.15	< 0.005	0.09	0.12	0.20	0.08	0.05	0.13	—	377	377	0.02	0.01	0.05	379
% Reduced	—	—	—	—	—	—	56%	42%	—	58%	34%	—	—	—	—	—	—	—

## 2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.44	3.74	36.0	34.0	0.06	1.60	19.8	21.4	1.47	10.1	11.6	—	6,780	6,780	0.28	0.11	2.57	6,806
2025	1.04	190	7.50	10.9	0.01	0.35	0.12	0.47	0.32	0.03	0.35	—	1,645	1,645	0.07	0.02	0.50	1,653
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.11	2.61	23.2	28.4	0.05	1.00	0.43	1.43	0.92	0.10	1.03	—	5,528	5,528	0.22	0.11	0.07	5,566
2025	2.91	2.45	21.6	28.1	0.05	0.87	0.43	1.30	0.80	0.10	0.90	—	5,514	5,514	0.21	0.11	0.06	5,552
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.42	1.20	10.9	11.8	0.02	0.47	1.42	1.89	0.43	0.61	1.04	—	2,276	2,276	0.09	0.04	0.32	2,289
2025	0.54	10.9	3.97	5.23	0.01	0.16	0.08	0.24	0.15	0.02	0.17	—	998	998	0.04	0.02	0.19	1,004
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.26	0.22	2.00	2.15	< 0.005	0.09	0.26	0.35	0.08	0.11	0.19	—	377	377	0.02	0.01	0.05	379
2025	0.10	1.99	0.72	0.95	< 0.005	0.03	0.01	0.04	0.03	< 0.005	0.03	—	165	165	0.01	< 0.005	0.03	166

## 2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.44	3.74	36.0	34.0	0.06	1.60	7.80	9.40	1.47	3.97	5.44	—	6,780	6,780	0.28	0.11	2.57	6,806
2025	1.04	190	7.50	10.9	0.01	0.35	0.12	0.47	0.32	0.03	0.35	—	1,645	1,645	0.07	0.02	0.50	1,653

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.11	2.61	23.2	28.4	0.05	1.00	0.43	1.43	0.92	0.10	1.03	—	5,528	5,528	0.22	0.11	0.07	5,566
2025	2.91	2.45	21.6	28.1	0.05	0.87	0.43	1.30	0.80	0.10	0.90	—	5,514	5,514	0.21	0.11	0.06	5,552
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.42	1.20	10.9	11.8	0.02	0.47	0.63	1.10	0.43	0.26	0.69	—	2,276	2,276	0.09	0.04	0.32	2,289
2025	0.54	10.9	3.97	5.23	0.01	0.16	0.08	0.24	0.15	0.02	0.17	—	998	998	0.04	0.02	0.19	1,004
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.26	0.22	2.00	2.15	< 0.005	0.09	0.12	0.20	0.08	0.05	0.13	—	377	377	0.02	0.01	0.05	379
2025	0.10	1.99	0.72	0.95	< 0.005	0.03	0.01	0.04	0.03	< 0.005	0.03	—	165	165	0.01	< 0.005	0.03	166

## 2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	69.6	72.4	10.0	131	0.23	9.57	7.25	16.8	9.52	1.85	11.4	1,129	12,689	13,819	14.8	0.75	37.0	14,449
Mit.	69.6	72.4	10.00	131	0.23	9.57	7.25	16.8	9.52	1.85	11.4	1,127	12,679	13,806	14.5	0.74	37.0	14,427
% Reduced	—	—	< 0.5%	< 0.5%	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	2%	1%	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	66.6	69.3	11.1	121	0.22	9.57	7.25	16.8	9.52	1.85	11.4	1,129	11,870	12,999	15.0	0.80	1.67	13,612
Mit.	66.6	69.3	11.1	121	0.22	9.57	7.25	16.8	9.52	1.85	11.4	1,127	11,860	12,987	14.7	0.79	1.67	13,590
% Reduced	—	—	< 0.5%	< 0.5%	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	2%	1%	—	< 0.5%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.5	25.1	8.33	60.1	0.11	2.29	6.01	8.30	2.27	1.53	3.80	354	10,364	10,718	14.0	0.61	14.1	11,266
Mit.	21.5	25.1	8.33	60.1	0.11	2.29	6.01	8.30	2.27	1.53	3.80	351	10,354	10,706	13.8	0.61	14.1	11,245
% Reduced	—	—	< 0.5%	< 0.5%	—	—	—	—	—	—	—	1%	< 0.5%	< 0.5%	2%	1%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.92	4.57	1.52	11.0	0.02	0.42	1.10	1.52	0.41	0.28	0.69	58.6	1,716	1,775	2.33	0.10	2.34	1,865
Mit.	3.92	4.57	1.52	11.0	0.02	0.42	1.10	1.52	0.41	0.28	0.69	58.2	1,714	1,772	2.28	0.10	2.34	1,862
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	1%	< 0.5%	< 0.5%	2%	1%	—	< 0.5%

## 2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.6	12.1	7.81	56.0	0.10	0.12	7.25	7.37	0.11	1.85	1.96	—	9,781	9,781	0.57	0.58	36.2	10,004
Area	56.9	60.2	1.13	73.7	0.12	9.38	—	9.38	9.33	—	9.33	1,000	437	1,437	0.92	0.07	—	1,482
Energy	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	2,438	2,438	0.30	0.03	—	2,454
Water	—	—	—	—	—	—	—	—	—	—	—	30.2	32.2	62.4	3.10	0.07	—	162
Waste	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73
Total	69.6	72.4	10.0	131	0.23	9.57	7.25	16.8	9.52	1.85	11.4	1,129	12,689	13,819	14.8	0.75	37.0	14,449
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	10.4	9.83	8.96	52.6	0.09	0.12	7.25	7.37	0.11	1.85	1.96	—	8,983	8,983	0.70	0.62	0.94	9,187
Area	56.0	59.4	1.08	68.0	0.12	9.37	—	9.37	9.33	—	9.33	1,000	417	1,417	0.92	0.07	—	1,461
Energy	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	2,438	2,438	0.30	0.03	—	2,454
Water	—	—	—	—	—	—	—	—	—	—	—	30.2	32.2	62.4	3.10	0.07	—	162
Waste	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73
Total	66.6	69.3	11.1	121	0.22	9.57	7.25	16.8	9.52	1.85	11.4	1,129	11,870	12,999	15.0	0.80	1.67	13,612
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.35	7.89	7.00	41.1	0.08	0.10	6.01	6.11	0.09	1.53	1.62	—	7,790	7,790	0.51	0.50	13.4	7,964
Area	13.0	17.1	0.27	18.1	0.03	2.11	—	2.11	2.10	—	2.10	225	104	328	0.21	0.02	—	338
Energy	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	2,438	2,438	0.30	0.03	—	2,454
Water	—	—	—	—	—	—	—	—	—	—	—	30.2	32.2	62.4	3.10	0.07	—	162
Waste	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73
Total	21.5	25.1	8.33	60.1	0.11	2.29	6.01	8.30	2.27	1.53	3.80	354	10,364	10,718	14.0	0.61	14.1	11,266
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52	1.44	1.28	7.51	0.01	0.02	1.10	1.12	0.02	0.28	0.30	—	1,290	1,290	0.08	0.08	2.22	1,319
Area	2.37	3.13	0.05	3.30	0.01	0.38	—	0.38	0.38	—	0.38	37.2	17.2	54.4	0.03	< 0.005	—	56.0
Energy	0.02	0.01	0.19	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	404	404	0.05	< 0.005	—	406
Water	—	—	—	—	—	—	—	—	—	—	—	5.00	5.34	10.3	0.51	0.01	—	26.9
Waste	—	—	—	—	—	—	—	—	—	—	—	16.4	0.00	16.4	1.64	0.00	—	57.5
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
Total	3.92	4.57	1.52	11.0	0.02	0.42	1.10	1.52	0.41	0.28	0.69	58.6	1,716	1,775	2.33	0.10	2.34	1,865

## 2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.6	12.1	7.81	56.0	0.10	0.12	7.25	7.37	0.11	1.85	1.96	—	9,781	9,781	0.57	0.58	36.2	10,004
Area	56.9	60.2	1.13	73.7	0.12	9.38	—	9.38	9.33	—	9.33	1,000	437	1,437	0.92	0.07	—	1,482
Energy	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	2,431	2,431	0.30	0.03	—	2,446
Water	—	—	—	—	—	—	—	—	—	—	—	27.6	29.8	57.3	2.83	0.07	—	148
Waste	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73
Total	69.6	72.4	10.00	131	0.23	9.57	7.25	16.8	9.52	1.85	11.4	1,127	12,679	13,806	14.5	0.74	37.0	14,427
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.4	9.83	8.96	52.6	0.09	0.12	7.25	7.37	0.11	1.85	1.96	—	8,983	8,983	0.70	0.62	0.94	9,187
Area	56.0	59.4	1.08	68.0	0.12	9.37	—	9.37	9.33	—	9.33	1,000	417	1,417	0.92	0.07	—	1,461
Energy	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	2,431	2,431	0.30	0.03	—	2,446
Water	—	—	—	—	—	—	—	—	—	—	—	27.6	29.8	57.3	2.83	0.07	—	148
Waste	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73
Total	66.6	69.3	11.1	121	0.22	9.57	7.25	16.8	9.52	1.85	11.4	1,127	11,860	12,987	14.7	0.79	1.67	13,590
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.35	7.89	7.00	41.1	0.08	0.10	6.01	6.11	0.09	1.53	1.62	—	7,790	7,790	0.51	0.50	13.4	7,964
Area	13.0	17.1	0.27	18.1	0.03	2.11	—	2.11	2.10	—	2.10	225	104	328	0.21	0.02	—	338
Energy	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	2,431	2,431	0.30	0.03	—	2,446
Water	—	—	—	—	—	—	—	—	—	—	—	27.6	29.8	57.3	2.83	0.07	—	148
Waste	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73



Total	21.5	25.1	8.33	60.1	0.11	2.29	6.01	8.30	2.27	1.53	3.80	351	10,354	10,706	13.8	0.61	14.1	11,245
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52	1.44	1.28	7.51	0.01	0.02	1.10	1.12	0.02	0.28	0.30	—	1,290	1,290	0.08	0.08	2.22	1,319
Area	2.37	3.13	0.05	3.30	0.01	0.38	—	0.38	0.38	—	0.38	37.2	17.2	54.4	0.03	< 0.005	—	56.0
Energy	0.02	0.01	0.19	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	402	402	0.05	< 0.005	—	405
Water	—	—	—	—	—	—	—	—	—	—	—	4.56	4.93	9.49	0.47	0.01	—	24.5
Waste	—	—	—	—	—	—	—	—	—	—	—	16.4	0.00	16.4	1.64	0.00	—	57.5
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
Total	3.92	4.57	1.52	11.0	0.02	0.42	1.10	1.52	0.41	0.28	0.69	58.2	1,714	1,772	2.28	0.10	2.34	1,862

### 3. Construction Emissions Details

#### 3.1. Demolition (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.17	0.14	1.36	1.19	< 0.005	0.06	—	0.06	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	0.94	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	137	137	0.01	0.01	0.55	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.76	6.76	< 0.005	< 0.005	0.01	6.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.12	1.12	< 0.005	< 0.005	< 0.005	1.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.2. Demolition (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.36	1.19	< 0.005	0.06	—	0.06	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	0.94	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	137	137	0.01	0.01	0.55	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.76	6.76	< 0.005	< 0.005	0.01	6.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.12	1.12	< 0.005	< 0.005	< 0.005	1.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.3. Site Preparation (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314

Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.99	0.90	< 0.005	0.04	—	0.04	0.04	—	0.04	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement:	—	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement:	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.10	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	159	159	0.01	0.01	0.64	162
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.94	3.94	< 0.005	< 0.005	0.01	4.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.4. Site Preparation (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.99	0.90	< 0.005	0.04	—	0.04	0.04	—	0.04	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.10	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	159	159	0.01	0.01	0.64	162
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.94	3.94	< 0.005	< 0.005	0.01	4.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

### 3.5. Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement:	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.29	2.82	2.48	0.01	0.12	—	0.12	0.11	—	0.11	—	542	542	0.02	< 0.005	—	544
Dust From Material Movement:	—	—	—	—	—	—	0.76	0.76	—	0.30	0.30	—	—	—	—	—	—	—



Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.51	0.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	89.8	89.8	< 0.005	< 0.005	—	90.1	
Dust From Material Movement:	—	—	—	—	—	—	0.14	0.14	—	0.05	0.05	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.12	0.11	0.07	1.25	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	182	182	0.01	0.01	0.73	185	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.03	13.7	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.24	2.24	< 0.005	< 0.005	< 0.005	2.27	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

### 3.6. Grading (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement:	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.29	2.82	2.48	0.01	0.12	—	0.12	0.11	—	0.11	—	542	542	0.02	< 0.005	—	544
Dust From Material Movement:	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.51	0.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	89.8	89.8	< 0.005	< 0.005	—	90.1

Dust From Material Movement:	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.25	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	182	182	0.01	0.01	0.73	185
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.03	13.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.24	2.24	< 0.005	< 0.005	< 0.005	2.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.7. Building Construction (2024) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	22.4	26.2	0.05	1.00	—	1.00	0.92	—	0.92	—	4,795	4,795	0.19	0.04	—	4,812
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	22.4	26.2	0.05	1.00	—	1.00	0.92	—	0.92	—	4,795	4,795	0.19	0.04	—	4,812
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	0.60	5.58	6.52	0.01	0.25	—	0.25	0.23	—	0.23	—	1,192	1,192	0.05	0.01	—	1,196
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.02	1.19	< 0.005	0.05	—	0.05	0.04	—	0.04	—	197	197	0.01	< 0.005	—	198
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.23	0.15	2.59	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	377	377	0.02	0.01	1.51	383
Vendor	0.02	0.02	0.56	0.20	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	402	402	< 0.005	0.06	1.05	420
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.19	1.92	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	330	330	0.02	0.01	0.04	335
Vendor	0.02	0.02	0.60	0.21	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	402	402	< 0.005	0.06	0.03	419
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	84.6	84.6	0.01	< 0.005	0.16	85.9
Vendor	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	99.9	99.9	< 0.005	0.01	0.11	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	0.03	14.2
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	0.02	17.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.8. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	22.4	26.2	0.05	1.00	—	1.00	0.92	—	0.92	—	4,795	4,795	0.19	0.04	—	4,812
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.87	2.41	22.4	26.2	0.05	1.00	—	1.00	0.92	—	0.92	—	4,795	4,795	0.19	0.04	—	4,812
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	0.60	5.58	6.52	0.01	0.25	—	0.25	0.23	—	0.23	—	1,192	1,192	0.05	0.01	—	1,196
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.02	1.19	< 0.005	0.05	—	0.05	0.04	—	0.04	—	197	197	0.01	< 0.005	—	198
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.23	0.15	2.59	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	377	377	0.02	0.01	1.51	383
Vendor	0.02	0.02	0.56	0.20	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	402	402	< 0.005	0.06	1.05	420
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.19	1.92	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	330	330	0.02	0.01	0.04	335
Vendor	0.02	0.02	0.60	0.21	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	402	402	< 0.005	0.06	0.03	419
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	84.6	84.6	0.01	< 0.005	0.16	85.9
Vendor	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	99.9	99.9	< 0.005	0.01	0.11	104

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	0.03	14.2
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	0.02	17.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.9. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.69	2.25	20.9	26.1	0.05	0.86	—	0.86	0.79	—	0.79	—	4,795	4,795	0.19	0.04	—	4,812
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.39	4.24	0.01	0.14	—	0.14	0.13	—	0.13	—	779	779	0.03	0.01	—	782
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.62	0.77	< 0.005	0.03	—	0.03	0.02	—	0.02	—	129	129	0.01	< 0.005	—	129
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.17	1.79	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	324	324	0.01	0.01	0.04	328
Vendor	0.02	0.01	0.58	0.20	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	395	395	< 0.005	0.06	0.03	412
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.2	54.2	< 0.005	< 0.005	0.10	55.0
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	64.1	64.1	< 0.005	0.01	0.07	67.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.97	8.97	< 0.005	< 0.005	0.02	9.11
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	0.01	11.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.10. Building Construction (2025) - Mitigated

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

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



Off-Road Equipment	2.69	2.25	20.9	26.1	0.05	0.86	—	0.86	0.79	—	0.79	—	4,795	4,795	0.19	0.04	—	4,812
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.39	4.24	0.01	0.14	—	0.14	0.13	—	0.13	—	779	779	0.03	0.01	—	782
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.62	0.77	< 0.005	0.03	—	0.03	0.02	—	0.02	—	129	129	0.01	< 0.005	—	129
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.17	1.79	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	324	324	0.01	0.01	0.04	328
Vendor	0.02	0.01	0.58	0.20	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	395	395	< 0.005	0.06	0.03	412
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.2	54.2	< 0.005	< 0.005	0.10	55.0
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	64.1	64.1	< 0.005	0.01	0.07	67.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.97	8.97	< 0.005	< 0.005	0.02	9.11

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	0.01	11.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.11. Paving (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	0.88	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	134	134	0.01	0.01	0.50	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.65	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	117	117	< 0.005	0.01	0.01	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.63	6.63	< 0.005	< 0.005	0.01	6.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.10	1.10	< 0.005	< 0.005	< 0.005	1.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.12. Paving (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	0.88	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	134	134	0.01	0.01	0.50	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.65	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	117	117	< 0.005	0.01	0.01	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.63	6.63	< 0.005	< 0.005	0.01	6.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.10	1.10	< 0.005	< 0.005	< 0.005	1.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.13. Architectural Coating (2025) - Unmitigated

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

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

Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	190	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.48	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	73.8	73.8	< 0.005	< 0.005	0.28	75.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.65	3.65	< 0.005	< 0.005	0.01	3.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.61	0.61	< 0.005	< 0.005	< 0.005	0.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.14. Architectural Coating (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	190	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.48	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	73.8	73.8	< 0.005	< 0.005	0.28	75.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.65	3.65	< 0.005	< 0.005	0.01	3.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.61	0.61	< 0.005	< 0.005	< 0.005	0.61



Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	6.34	6.13	3.13	22.2	0.03	0.04	2.52	2.56	0.04	0.64	0.68	—	3,475	3,475	0.26	0.23	12.6	3,563	
Day-Care Center	3.61	3.49	1.78	12.6	0.02	0.02	1.43	1.46	0.02	0.36	0.39	—	1,978	1,978	0.15	0.13	7.16	2,028	
Single Family Housing	2.60	2.41	2.85	20.8	0.04	0.05	3.25	3.30	0.05	0.83	0.87	—	4,263	4,263	0.16	0.21	16.2	4,346	
City Park	0.05	0.05	0.05	0.34	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	66.0	66.0	< 0.005	< 0.005	0.25	67.4	
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

Total	12.6	12.1	7.81	56.0	0.10	0.12	7.25	7.37	0.11	1.85	1.96	—	9,781	9,781	0.57	0.58	36.2	10,004
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	5.18	4.93	3.58	22.3	0.03	0.04	2.52	2.56	0.04	0.64	0.68	—	3,200	3,200	0.33	0.25	0.33	3,284
Day-Care Center	2.95	2.80	2.04	12.7	0.02	0.02	1.43	1.46	0.02	0.36	0.39	—	1,822	1,822	0.19	0.14	0.19	1,869
Single Family Housing	2.27	2.07	3.28	17.2	0.04	0.05	3.25	3.30	0.05	0.83	0.87	—	3,900	3,900	0.18	0.23	0.42	3,973
City Park	0.04	0.04	0.05	0.29	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	60.5	60.5	< 0.005	< 0.005	0.01	61.7
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	10.4	9.83	8.96	52.6	0.09	0.12	7.25	7.37	0.11	1.85	1.96	—	8,983	8,983	0.70	0.62	0.94	9,187
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.69	0.66	0.44	2.70	< 0.005	0.01	0.32	0.32	0.01	0.08	0.09	—	385	385	0.03	0.03	0.64	395
Day-Care Center	0.42	0.40	0.28	1.70	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.06	—	251	251	0.02	0.02	0.42	257
Single Family Housing	0.41	0.37	0.55	3.06	0.01	0.01	0.56	0.57	0.01	0.14	0.15	—	644	644	0.03	0.04	1.14	656

City Park	0.01	0.01	0.01	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.02	10.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.52	1.44	1.28	7.51	0.01	0.02	1.10	1.12	0.02	0.28	0.30	—	1,290	1,290	0.08	0.08	2.22	1,319

#### 4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	6.34	6.13	3.13	22.2	0.03	0.04	2.52	2.56	0.04	0.64	0.68	—	3,475	3,475	0.26	0.23	12.6	3,563
Day-Care Center	3.61	3.49	1.78	12.6	0.02	0.02	1.43	1.46	0.02	0.36	0.39	—	1,978	1,978	0.15	0.13	7.16	2,028
Single Family Housing	2.60	2.41	2.85	20.8	0.04	0.05	3.25	3.30	0.05	0.83	0.87	—	4,263	4,263	0.16	0.21	16.2	4,346
City Park	0.05	0.05	0.05	0.34	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	66.0	66.0	< 0.005	< 0.005	0.25	67.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	12.6	12.1	7.81	56.0	0.10	0.12	7.25	7.37	0.11	1.85	1.96	—	9,781	9,781	0.57	0.58	36.2	10,004
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	5.18	4.93	3.58	22.3	0.03	0.04	2.52	2.56	0.04	0.64	0.68	—	3,200	3,200	0.33	0.25	0.33	3,284
Day-Care Center	2.95	2.80	2.04	12.7	0.02	0.02	1.43	1.46	0.02	0.36	0.39	—	1,822	1,822	0.19	0.14	0.19	1,869
Single Family Housing	2.27	2.07	3.28	17.2	0.04	0.05	3.25	3.30	0.05	0.83	0.87	—	3,900	3,900	0.18	0.23	0.42	3,973
City Park	0.04	0.04	0.05	0.29	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	60.5	60.5	< 0.005	< 0.005	0.01	61.7
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	10.4	9.83	8.96	52.6	0.09	0.12	7.25	7.37	0.11	1.85	1.96	—	8,983	8,983	0.70	0.62	0.94	9,187
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.69	0.66	0.44	2.70	< 0.005	0.01	0.32	0.32	0.01	0.08	0.09	—	385	385	0.03	0.03	0.64	395
Day-Care Center	0.42	0.40	0.28	1.70	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.06	—	251	251	0.02	0.02	0.42	257

Single Family Housing	0.41	0.37	0.55	3.06	0.01	0.01	0.56	0.57	0.01	0.14	0.15	—	644	644	0.03	0.04	1.14	656
City Park	0.01	0.01	0.01	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.02	10.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.52	1.44	1.28	7.51	0.01	0.02	1.10	1.12	0.02	0.28	0.30	—	1,290	1,290	0.08	0.08	2.22	1,319

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	917	917	0.15	0.02	—	926
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	36.5	36.5	0.01	< 0.005	—	36.8
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	177	177	0.03	< 0.005	—	178
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9	< 0.005	< 0.005	—	29.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,159	1,159	0.19	0.02	—	1,170
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	917	917	0.15	0.02	—	926
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	36.5	36.5	0.01	< 0.005	—	36.8
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	177	177	0.03	< 0.005	—	178
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9	< 0.005	< 0.005	—	29.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,159	1,159	0.19	0.02	—	1,170
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	152	152	0.02	< 0.005	—	153
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	6.04	6.04	< 0.005	< 0.005	—	6.10
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	29.2	29.2	< 0.005	< 0.005	—	29.5
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78	< 0.005	< 0.005	—	4.83
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	192	192	0.03	< 0.005	—	194

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	916	916	0.15	0.02	—	925
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	36.5	36.5	0.01	< 0.005	—	36.8

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.03	< 0.005	—	174
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9	< 0.005	< 0.005	—	29.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,154	1,154	0.19	0.02	—	1,166
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	916	916	0.15	0.02	—	925
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	36.5	36.5	0.01	< 0.005	—	36.8
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.03	< 0.005	—	174
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	28.9	28.9	< 0.005	< 0.005	—	29.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00



Total	—	—	—	—	—	—	—	—	—	—	—	—	1,154	1,154	0.19	0.02	—	1,166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	152	152	0.02	< 0.005	—	153
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	6.04	6.04	< 0.005	< 0.005	—	6.10
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	28.5	28.5	< 0.005	< 0.005	—	28.8
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.78	4.78	< 0.005	< 0.005	—	4.83
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	191	191	0.03	< 0.005	—	193

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.08	0.04	0.74	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	—	886	886	0.08	< 0.005	—	888

Day-Car Center	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	199	199	0.02	< 0.005	—	199
Single Family Housing	0.02	0.01	0.15	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	1,280	1,280	0.11	< 0.005	—	1,283
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.08	0.04	0.74	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	—	886	886	0.08	< 0.005	—	888
Day-Car Center	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	199	199	0.02	< 0.005	—	199
Single Family Housing	0.02	0.01	0.15	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	1,280	1,280	0.11	< 0.005	—	1,283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.01	0.01	0.14	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	147	147	0.01	< 0.005	—	147
Day-Care Center	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.9	32.9	< 0.005	< 0.005	—	33.0
Single Family Housing	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.19	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	212	212	0.02	< 0.005	—	212

#### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

Government	0.08	0.04	0.74	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	—	886	886	0.08	< 0.005	—	888
Day-Care Center	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	199	199	0.02	< 0.005	—	199
Single Family Housing	0.02	0.01	0.15	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	192	192	0.02	< 0.005	—	192
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	1,277	1,277	0.11	< 0.005	—	1,280
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.08	0.04	0.74	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	—	886	886	0.08	< 0.005	—	888
Day-Care Center	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	199	199	0.02	< 0.005	—	199
Single Family Housing	0.02	0.01	0.15	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	192	192	0.02	< 0.005	—	192
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.06	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	1,277	1,277	0.11	< 0.005	—	1,280
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.01	0.01	0.14	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	147	147	0.01	< 0.005	—	147
Day-Care Center	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.9	32.9	< 0.005	< 0.005	—	33.0
Single Family Housing	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.19	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	211	211	0.02	< 0.005	—	212

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	56.0	55.1	1.08	68.0	0.12	9.37	—	9.37	9.33	—	9.33	1,000	417	1,417	0.92	0.07	—	1,461
Consumer Products	—	3.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.85	0.79	0.05	5.71	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.6	20.6	< 0.005	< 0.005	—	20.6
Total	56.9	60.2	1.13	73.7	0.12	9.38	—	9.38	9.33	—	9.33	1,000	437	1,437	0.92	0.07	—	1,482
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	56.0	55.1	1.08	68.0	0.12	9.37	—	9.37	9.33	—	9.33	1,000	417	1,417	0.92	0.07	—	1,461
Consumer Products	—	3.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	56.0	59.4	1.08	68.0	0.12	9.37	—	9.37	9.33	—	9.33	1,000	417	1,417	0.92	0.07	—	1,461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	2.30	2.26	0.04	2.79	0.01	0.38	—	0.38	0.38	—	0.38	37.2	15.5	52.7	0.03	< 0.005	—	54.3
Consumer Products	—	0.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.08	0.07	< 0.005	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.68	1.68	< 0.005	< 0.005	—	1.69
Total	2.37	3.13	0.05	3.30	0.01	0.38	—	0.38	0.38	—	0.38	37.2	17.2	54.4	0.03	< 0.005	—	56.0

### 4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	56.0	55.1	1.08	68.0	0.12	9.37	—	9.37	9.33	—	9.33	1,000	417	1,417	0.92	0.07	—	1,461
Consumer Products	—	3.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.85	0.79	0.05	5.71	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.6	20.6	< 0.005	< 0.005	—	20.6
Total	56.9	60.2	1.13	73.7	0.12	9.38	—	9.38	9.33	—	9.33	1,000	437	1,437	0.92	0.07	—	1,482
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	56.0	55.1	1.08	68.0	0.12	9.37	—	9.37	9.33	—	9.33	1,000	417	1,417	0.92	0.07	—	1,461
Consumer Products	—	3.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	—	1.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	56.0	59.4	1.08	68.0	0.12	9.37	—	9.37	9.33	—	9.33	1,000	417	1,417	0.92	0.07	—	1,461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	2.30	2.26	0.04	2.79	0.01	0.38	—	0.38	0.38	—	0.38	37.2	15.5	52.7	0.03	< 0.005	—	54.3
Consumer Products	—	0.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.08	0.07	< 0.005	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.68	1.68	< 0.005	< 0.005	—	1.69
Total	2.37	3.13	0.05	3.30	0.01	0.38	—	0.38	0.38	—	0.38	37.2	17.2	54.4	0.03	< 0.005	—	56.0

#### 4.4. Water Emissions by Land Use

##### 4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	27.0	24.6	51.6	2.77	0.07	—	140
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.13	1.04	2.16	0.12	< 0.005	—	5.88



Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.15	6.55	8.70	0.22	0.01	—	15.8
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	30.2	32.2	62.4	3.10	0.07	—	162
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	27.0	24.6	51.6	2.77	0.07	—	140
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.13	1.04	2.16	0.12	< 0.005	—	5.88
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.15	6.55	8.70	0.22	0.01	—	15.8
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	30.2	32.2	62.4	3.10	0.07	—	162
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	4.46	4.08	8.54	0.46	0.01	—	23.3
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.19	0.17	0.36	0.02	< 0.005	—	0.97
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.36	1.08	1.44	0.04	< 0.005	—	2.62
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5.00	5.34	10.3	0.51	0.01	—	26.9

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	24.7	22.6	47.3	2.54	0.06	—	129

Day-Car Center	—	—	—	—	—	—	—	—	—	—	—	1.02	0.94	1.95	0.10	< 0.005	—	5.30
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.85	6.28	8.14	0.19	< 0.005	—	14.3
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.6	29.8	57.3	2.83	0.07	—	148
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	24.7	22.6	47.3	2.54	0.06	—	129
Day-Car Center	—	—	—	—	—	—	—	—	—	—	—	1.02	0.94	1.95	0.10	< 0.005	—	5.30
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.85	6.28	8.14	0.19	< 0.005	—	14.3
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.6	29.8	57.3	2.83	0.07	—	148
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	4.09	3.74	7.82	0.42	0.01	—	21.3
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.17	0.16	0.32	0.02	< 0.005	—	0.88
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.31	1.04	1.35	0.03	< 0.005	—	2.37
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.56	4.93	9.49	0.47	0.01	—	24.5

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	52.2	0.00	52.2	5.22	0.00	—	183
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	9.60	0.00	9.60	0.96	0.00	—	33.6
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	24.0	0.00	24.0	2.40	0.00	—	83.9
City Park	—	—	—	—	—	—	—	—	—	—	—	13.5	0.00	13.5	1.34	0.00	—	47.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	52.2	0.00	52.2	5.22	0.00	—	183
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	9.60	0.00	9.60	0.96	0.00	—	33.6
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	24.0	0.00	24.0	2.40	0.00	—	83.9

City Park	—	—	—	—	—	—	—	—	—	—	—	13.5	0.00	13.5	1.34	0.00	—	47.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	8.65	0.00	8.65	0.86	0.00	—	30.2
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.59	0.00	1.59	0.16	0.00	—	5.56
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.97	0.00	3.97	0.40	0.00	—	13.9
City Park	—	—	—	—	—	—	—	—	—	—	—	2.23	0.00	2.23	0.22	0.00	—	7.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.4	0.00	16.4	1.64	0.00	—	57.5

4.5.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	52.2	0.00	52.2	5.22	0.00	—	183
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	9.60	0.00	9.60	0.96	0.00	—	33.6
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	24.0	0.00	24.0	2.40	0.00	—	83.9
City Park	—	—	—	—	—	—	—	—	—	—	—	13.5	0.00	13.5	1.34	0.00	—	47.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	52.2	0.00	52.2	5.22	0.00	—	183
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	9.60	0.00	9.60	0.96	0.00	—	33.6

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	24.0	0.00	24.0	2.40	0.00	—	83.9
City Park	—	—	—	—	—	—	—	—	—	—	—	13.5	0.00	13.5	1.34	0.00	—	47.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	99.3	0.00	99.3	9.92	0.00	—	347
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	8.65	0.00	8.65	0.86	0.00	—	30.2
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	1.59	0.00	1.59	0.16	0.00	—	5.56
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.97	0.00	3.97	0.40	0.00	—	13.9
City Park	—	—	—	—	—	—	—	—	—	—	—	2.23	0.00	2.23	0.22	0.00	—	7.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.4	0.00	16.4	1.64	0.00	—	57.5



## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50

City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	0.73
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12

#### 4.7. Offroad Emissions By Equipment Type

##### 4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

### 4.8. Stationary Emissions By Equipment Type

#### 4.8.1. Unmitigated

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

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

#### 4.8.2. Mitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.9. User Defined Emissions By Equipment Type

#### 4.9.1. Unmitigated

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

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

#### 4.9.2. Mitigated

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

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

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

### 4.10. Soil Carbon Accumulation By Vegetation Type

#### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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



Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/1/2024	6/29/2024	5.00	20.0	—
Site Preparation	Site Preparation	6/30/2024	7/14/2024	5.00	10.0	—

Grading	Grading	7/15/2024	8/26/2024	5.00	30.0	—
Building Construction	Building Construction	8/27/2024	3/24/2025	5.00	150	—
Paving	Paving	3/25/2025	4/21/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	4/22/2025	5/19/2025	5.00	20.0	—

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	6.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

### 5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	6.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.1	LDA,LDT1,LDT2
Demolition	Vendor	—	6.95	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.1	LDA,LDT1,LDT2
Site Preparation	Vendor	—	6.95	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.1	LDA,LDT1,LDT2
Grading	Vendor	—	6.95	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	41.4	11.1	LDA,LDT1,LDT2
Building Construction	Vendor	17.7	6.95	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.1	LDA,LDT1,LDT2
Paving	Vendor	—	6.95	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	8.27	11.1	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	6.95	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

### 5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.1	LDA,LDT1,LDT2
Demolition	Vendor	—	6.95	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.1	LDA,LDT1,LDT2
Site Preparation	Vendor	—	6.95	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.1	LDA,LDT1,LDT2
Grading	Vendor	—	6.95	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	41.4	11.1	LDA,LDT1,LDT2

Building Construction	Vendor	17.7	6.95	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.1	LDA,LDT1,LDT2
Paving	Vendor	—	6.95	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	8.27	11.1	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	6.95	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	142,155	47,385	126,750	42,250	8,598

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
------------	---------------------------------	---------------------------------	----------------------	-------------------------------	---------------------



Demolition	0.00	0.00	0.00	—	—
Site Preparation	0.00	0.00	15.0	0.00	—
Grading	0.00	0.00	90.0	0.00	—
Paving	0.00	0.00	0.00	0.00	3.69

### 5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

### 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Government Office Building	0.00	0%
Day-Care Center	0.00	0%
Single Family Housing	0.40	0%
Government Office Building	0.00	0%
City Park	0.00	0%
Parking Lot	1.35	100%
Other Non-Asphalt Surfaces	0.21	0%
Other Asphalt Surfaces	1.72	100%

### 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	204	0.03	< 0.005
2025	0.00	204	0.03	< 0.005

### 5.9. Operational Mobile Sources

## 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Government Office Building	256	0.00	0.00	66,860	797	0.00	0.00	207,860
Day-Care Center	646	85.2	80.0	177,003	2,008	778	730	602,123
Single Family Housing	340	343	308	122,559	4,511	4,559	4,086	1,626,777
Government Office Building	878	0.00	0.00	228,996	2,731	0.00	0.00	711,919
City Park	7.68	7.68	7.68	2,803	70.1	70.1	70.1	25,584
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Government Office Building	256	0.00	0.00	66,860	797	0.00	0.00	207,860
Day-Care Center	646	85.2	80.0	177,003	2,008	778	730	602,123
Single Family Housing	340	343	308	122,559	4,511	4,559	4,086	1,626,777
Government Office Building	878	0.00	0.00	228,996	2,731	0.00	0.00	711,919
City Park	7.68	7.68	7.68	2,803	70.1	70.1	70.1	25,584
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
------------------------	------	------	------	------	------	------	------	------

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	13
Gas Fireplaces	20
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	4
Conventional Wood Stoves	0
Catalytic Wood Stoves	2
Non-Catalytic Wood Stoves	2
Pellet Wood Stoves	0

#### 5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	13
Gas Fireplaces	20
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	4

Conventional Wood Stoves	0
Catalytic Wood Stoves	2
Non-Catalytic Wood Stoves	2
Pellet Wood Stoves	0

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
142155	47,385	126,750	42,250	8,598

### 5.10.3. Landscape Equipment

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

### 5.10.4. Landscape Equipment - Mitigated

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

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Government Office Building	370,713	204	0.0330	0.0040	624,760
Day-Care Center	65,288	204	0.0330	0.0040	620,454

Single Family Housing	315,878	204	0.0330	0.0040	608,436
Government Office Building	1,269,693	204	0.0330	0.0040	2,139,803
City Park	0.00	204	0.0330	0.0040	0.00
Parking Lot	51,684	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

### 5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Government Office Building	370,585	204	0.0330	0.0040	624,760
Day-Care Center	65,288	204	0.0330	0.0040	620,454
Single Family Housing	308,293	204	0.0330	0.0040	598,701
Government Office Building	1,269,253	204	0.0330	0.0040	2,139,803
City Park	0.00	204	0.0330	0.0040	0.00
Parking Lot	51,684	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

### 5.12. Operational Water and Wastewater Consumption

#### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Government Office Building	3,178,555	9,888
Day-Care Center	587,587	9,888
Single Family Housing	1,119,725	5,096,188
Government Office Building	10,886,551	9,880

City Park	0.00	87.9
Parking Lot	0.00	989
Other Non-Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

### 5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Government Office Building	2,911,556	9,888
Day-Care Center	529,945	9,888
Single Family Housing	966,435	5,096,188
Government Office Building	9,972,081	9,880
City Park	0.00	87.9
Parking Lot	0.00	989
Other Non-Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Government Office Building	17.4	—
Day-Care Center	17.8	—
Single Family Housing	44.5	—
Government Office Building	79.5	—
City Park	25.0	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—

Other Asphalt Surfaces	0.00	—
------------------------	------	---

### 5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Government Office Building	17.4	—
Day-Care Center	17.8	—
Single Family Housing	44.5	—
Government Office Building	79.5	—
City Park	25.0	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Other Asphalt Surfaces	0.00	—

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

## 5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0



Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

### 5.15. Operational Off-Road Equipment

#### 5.15.1. Unmitigated

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

#### 5.15.2. Mitigated

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

### 5.16. Stationary Sources

#### 5.16.1. Emergency Generators and Fire Pumps

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

#### 5.16.2. Process Boilers

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

### 5.17. User Defined

Equipment Type	Fuel Type
----------------	-----------

## 8. User Changes to Default Data

Screen	Justification
Land Use	Site specific land uses and size
Construction: Construction Phases	adjusted to fit in 12 month anticipated construction timing. cut building construction in half so double equipment.
Construction: Off-Road Equipment	doubled building construction to reflect reduction in time to build.
Operations: Vehicle Data	Park handles annual and quarterly meetings with 400 and 250 people attending so annual vmt will be correct with these trips added. Adjusted building trip rate to be in line with small office building rate. Assumed office building and daycare will have 2/3 passby and 1/3 primary.
Operations: Solid Waste	matched rates in EA.

# APPENDIX BIBLIO

---

---

BIBLIOGRAPHY

## SECTION 6.0 BIBLIOGRAPHY

---

Burney Transfer Station Registration Permit Application, 2022. Available online at: <https://calrecycle.ca.gov/SWFacilities/>. Accessed May 2023.

California Department of Conservation (CDC), 2023. Earthquake Zones of Required Investigation. Available online at: <https://maps.conservation.ca.gov/cgs/EQZApp/>. Accessed April 25, 2023.

CDFW, 2023. California Natural Diversity Database: BIOS 6. Available online at: <https://apps.wildlife.ca.gov/bios6/?bookmark=327>. Accessed August 2023.

California Department of Transportation (Caltrans), 2013a. Technical Noise Supplement to the Traffic Noise Analysis Protocol. Available online at: <https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tens-sep2013-a11y.pdf>. Accessed April 26, 2023.

Caltrans, 2013b. Transportation and Construction Vibration Guidance Manual. Available online at: <https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf>. Accessed April 26, 2023.

Caltrans, 2014. 2014 Traffic Volumes on California State Highways. Available online at: [http://www.dot.ca.gov/trafficops/census/docs/2014\\_aadt\\_volumes.pdf](http://www.dot.ca.gov/trafficops/census/docs/2014_aadt_volumes.pdf). Accessed November, 2023.

Caltrans, 2018. Caltrans Vibration Guidance Manual. Available online at: <https://dot.ca.gov/programs/environmental-analysis/noise-vibration/guidance-manuals>. Accessed December 2023.

Caltrans, 2022. Shasta County Economic Forecast. Available online at: <https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/data-analytics-services/transportation-economics/socioeconomic-forecasts/2022/shasta-2022-a11y.pdf>. Accessed May 10, 2023.

CalTrans, 2023. California State Scenic Highways. Available online: <https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Accessed June 1, 2023.

California Department of Fish and Wildlife (CDFW). 2024. California Natural Diversity Database (CNDDDB). 2024. RareFind 5 version 9/29/24. Available online at: <https://www.wildlife.ca.gov/Data/CNDDDB>. Last accessed: October 23, 2024.

California Department of Forestry and Fire Protection [CAL FIRE], 2023. Available online at: <https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones>. Accessed November 2023.

California Department of Water Resources (DWR), 2004. California's Groundwater, Bulletin 118: Sacramento River Hydrologic Region – Burney Creek Valley Groundwater Basin. Available online at: [https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-Basin-Descriptions/5\\_048\\_BurneyCreekValley.pdf](https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-Basin-Descriptions/5_048_BurneyCreekValley.pdf). Accessed November 17, 2023.

California Department of Water Resources (DWR), 2023a, 5-048 Burney Creek Valley Basin Boundaries Description, Available online at: [https://og-production-open-data-cnra-892364687672.s3.amazonaws.com/resources/eca44ba1-dc90-49a7-b65c-bf68dcca7a9/5-048\\_burney-creek-valley\\_basinboundarydescription.pdf?Signature=mm7xwq2qoFBQaA%2BIP2Z901McM38%3D&Expires=1692646762&AWSAccessKeyId=AKIAJJIENTAPKHZMIPXQ](https://og-production-open-data-cnra-892364687672.s3.amazonaws.com/resources/eca44ba1-dc90-49a7-b65c-bf68dcca7a9/5-048_burney-creek-valley_basinboundarydescription.pdf?Signature=mm7xwq2qoFBQaA%2BIP2Z901McM38%3D&Expires=1692646762&AWSAccessKeyId=AKIAJJIENTAPKHZMIPXQ) Accessed August 2023.

California Department of Water Resources (DWR), 2023b. SGMA Basin Prioritization Dashboard. Available online at: <https://gis.water.ca.gov/app/bp-dashboard/final/>. Accessed November 17, 2023.

California Energy Code, 2022. Section 130.2 Outdoor Lighting Controls and Equipment. Available online at: <https://codes.iccsafe.org/content/CAEC2022P1/subchapter-4-nonresidential-and-hotel-motel-occupancies-mandatory-requirements-for-lighting-systems-and-equipment-and-electrical-power-distribution-systems#:~:text=Exception%201%20to%20Section%20130.2,and%20365%20days%20per%20year.>

California Native Plant Society (CNPS), 2023. Inventory of Rare and Endangered Plants. California Native Plant Society. Available online at: <http://www.cnps.org/inventory>. Accessed May 2023.

California Department of Resources Recycling and Recovery (CalRecycle), 2018. Facility Operations: Round Mountain Transfer Station. Available online at: <http://www.calrecycle.ca.gov/FacIT/Facility/Operations.aspx?FacilityID=19046>.

CalRecycle, 2020. California's 2019 Per Capita Disposal rate Estimate. Available online at: <https://calrecycle.ca.gov/lgcentral/goalmeasure/disposalrate/mostrecent/>. Accessed May 2023.

CalRecycle, 2023. Estimated Solid Waste Generation Rates. Available online at: <https://www2.calrecycle.ca.gov/wastecharacterization/general/rates#Commercial>. Accessed June 2023.

City of Redding. 2023. "Burney Express". Available online at <https://www.cityofredding.org/departments/redding-area-bus-authority/services/burney-express>. Accessed April 20, 2023.

Federal Highway Administration (FHWA), 2006. Construction Noise Handbook. Available online at: [https://rosap.ntl.bts.gov/view/dot/8837/dot\\_8837\\_DS1.pdf](https://rosap.ntl.bts.gov/view/dot/8837/dot_8837_DS1.pdf). Accessed April 2022.

Institute of Transportation Engineers, 2010. Traffic Engineering Handbook, 6<sup>th</sup> edition. Available online at: [https://redlightrobber.com/red/links\\_pdf/Traffic-Engineering-Handbook-2010-6th-Edition.pdf](https://redlightrobber.com/red/links_pdf/Traffic-Engineering-Handbook-2010-6th-Edition.pdf).

Shasta County, 2010. Final Draft 2010 Regional Transportation Plan for Shasta County. Available online at: <http://www.srta.ca.gov/DocumentCenter/View/47/2010-Regional-Transportation-Plan-PDF?bidId=>. Accessed December 2023.

Shasta County, 2022a. General Plan 7.3 2020-2028 Housing Element. Chapter 6.3: Minerals. Available online at: <https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3048/63minerals.pdf>. Accessed May 10, 2023.

Shasta County, 2022b. General Plan 7.3 2020-2028 Housing Element. Chapter 7.1: Community Organization and Development Pattern. Available online at: <https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3048/updated-for-online-community-organization-and-development-pattern-2018-he-text-amendments.pdf>. Accessed May 12, 2023.

Sierra-Sacramento Valley Emergency Medical Services Agency (S-SV EMS Agency), 2018. About the S SV EMS Agency. Available online at: [http://www.ssvems.com/?page\\_id=55](http://www.ssvems.com/?page_id=55). Accessed November 2023.

Sobieski, 2023. How to size a commercial air conditioner. Available online at: <https://www.sobieskiinc.com/blog/how-size-commercial-air-conditioner/#:~:text=Air%20conditioner%20size%20is%20rated,Units%2C%20of%20heat%20per%20hour>. Accessed December 2023.

U.S. Federal Highway Administration (USFHA). 2023. National Scenic Byways & All-American Roads. Available online at: <https://fhwaapps.fhwa.dot.gov/bywaysp/StateMaps/Show/byway/2587>. Accessed June 1, 2023.

National Oceanic and Atmospheric Administration (NOAA), 2023a. Essential Fish Habitat Mapper. Available online at: <https://www.habitat.noaa.gov/apps/efhmapper/>. Accessed May 2023.

NOAA, 2023b. National NMFS ESA Critical Habitat Mapper. Available online at: <https://www.fisheries.noaa.gov/resource/map/national-esa-critical-habitat-mapper>. Accessed May 2023

National Wild and Scenic Rivers System, 2023. Explore Designated Rivers. Available online at: <https://www.rivers.gov/missouri.php>. Accessed June 2023.

Pit River Tribe, 2018. Solid Waste Department. Available online at: <http://pitrivertribe.org/solid-waste/>. Accessed November 2023.

Pit River Tribe, 2023. Tribal History. Available online at: <http://pitrivertribe.org/tribal-history/>. Accessed March 2023.

Redding Area Bus Authority (RABA), 2022. Short Range Transit Plan. Available online at: [https://cms3.revize.com/revize/reddingbusauthority/Document%20Center/About%20Raba/Reports/Transit%20Plans/RABA%20SRTP%20TM1\\_111822.pdf](https://cms3.revize.com/revize/reddingbusauthority/Document%20Center/About%20Raba/Reports/Transit%20Plans/RABA%20SRTP%20TM1_111822.pdf). Accessed December 2023.

Social Studies Fact Cards, 2022. Atsugewi. Available online at: <https://factcards.califa.org/cai/atsugewi.html>. Accessed August 2022.

Shasta County Budget, 2022. Adopted Budget Fiscal year 2022-2023. Available online at: [https://www.shastacounty.gov/sites/default/files/filefield\\_paths/final-adopted\\_budget\\_book\\_fy2223.pdf](https://www.shastacounty.gov/sites/default/files/filefield_paths/final-adopted_budget_book_fy2223.pdf). Accessed April 2023.

Shasta County Treasurer, 2023. Shasta county 2022-2023 Property Tax Bill. Available online at: <https://www.shastacounty.gov/tax-collector/page/viewpay-property-taxes-online>. Accessed March 2023.

Sustainable Groundwater Management Act (SGMA). 2023. SGMA Data Viewer. Available online at: <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#currentconditions> Accessed August 2023

University of California Museum of Paleontology (UCMP), 2023. Online database. Available at: <https://ucmp.berkeley.edu/>. Accessed April 2023.

U.S. Census Bureau, 2010a. 2006-2010 American Community Survey. ACS Demographic and Housing Estimates. DP05 Available online at:

[https://data.census.gov/table?q=DP05&g=040XX00US06\\_050XX00US06089\\_1400000US06089012606\\_160XX00US0609122&tid=ACSDP5Y2010.DP05](https://data.census.gov/table?q=DP05&g=040XX00US06_050XX00US06089_1400000US06089012606_160XX00US0609122&tid=ACSDP5Y2010.DP05). Accessed April 2023.

U.S. Census Bureau, 2021a. 2017-2021 American Community Survey 5- Year Estimates. ACS Demographic and housing Estimates. DP05. Available online at:

[https://data.census.gov/table?q=DP05&g=040XX00US06\\_050XX00US06089\\_1400000US06089012606\\_160XX00US0609122&tid=ACSDP5Y2021.DP05](https://data.census.gov/table?q=DP05&g=040XX00US06_050XX00US06089_1400000US06089012606_160XX00US0609122&tid=ACSDP5Y2021.DP05). Accessed April 2023.

U.S. Census Bureau, 2021b. 2017-2021 American Community Survey 5-Year Estimates. Selected Housing Characteristics DP04. Available online at:

[https://data.census.gov/table?q=DP04&g=040XX00US06\\_050XX00US06089\\_1400000US06089012606\\_160XX00US0609122&tid=ACSDP5Y2021.DP04](https://data.census.gov/table?q=DP04&g=040XX00US06_050XX00US06089_1400000US06089012606_160XX00US0609122&tid=ACSDP5Y2021.DP04). Accessed April 2023.

US Census Bureau 2021c. 2017-2021 American Community Survey 5-Year estimates. Selected Social Characteristics in the United States DP02. Available online at:

[https://data.census.gov/table?q=DP02&g=040XX00US06\\_050XX00US06089\\_1400000US06089012606\\_160XX00US0609122&tid=ACSDP5Y2021.DP02](https://data.census.gov/table?q=DP02&g=040XX00US06_050XX00US06089_1400000US06089012606_160XX00US0609122&tid=ACSDP5Y2021.DP02) Accessed April 2023

U.S. Department of Health and Human Services, (HHS Poverty Guidelines), 2021. Annual Update of the HHS Poverty Guidelines. Available online at:

<https://aspe.hhs.gov/sites/default/files/documents/d2eececdc1ca66dfd41ca1d2a524e076/HHS-Poverty-Guidelines-Fed-Register-2021.pdf>. Accessed May 2023.

United States Environmental Protection Agency (USEPA), 1998. *Final Guidance for Incorporating Environmental Justice Concerns in EPA's NEPA Compliance Analyses*. Available online at: <https://www.epa.gov/sites/production/files/2015-04/documents/ej-guidance-nepa-compliance-analyses.pdf>. Accessed March 2023.

USEPA, 2024a. NAAQS Table. Available online at: <https://www.epa.gov/criteria-air-pollutants/naaqs-table>. Accessed April 2024.

USEPA, 2023a How's My Waterway? Available online at: <https://mywaterway.epa.gov/community/180200030906/overview> Accessed August 2023

USEPA, 2024b California Green Book Nonattainment/Maintenance Status for Each County by year for all Criteria Pollutants. Available online at: [https://www3.epa.gov/airquality/greenbook/anayo\\_ca.html](https://www3.epa.gov/airquality/greenbook/anayo_ca.html) Accessed April 2024

U.S. Fish and Wildlife Service (USFWS), 2012. Protocol For Surveying Proposed Management Activities that May Impact Northern Spotted Owls. Available online at:

<https://www.fws.gov/library/collections/northern-spotted-owl-protocol>.

USFWS, 2023a. Information for Planning and Consultation (IPAC). Available online at: <https://ipac.ecosphere.fws.gov/location/index>. Accessed May 2023.

USFWS, 2023b. USFWS Critical Habitat Mapper. Available online at:

<https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>. Accessed May 2023.

USGS, 2023a. U.S Landslide Inventory Map. Available at:

<https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=ae120962f459434b8c904b456c82669d>. Accessed April 25, 2023.

USGS, 2023b. Mineral Resources Data System. Available online at: <https://mrdata.usgs.gov/mrds/map-graded.html#home>. Accessed April 26, 2023.

USGS, 2023c. United States Quaternary Faults Map. Available at: <https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf>. Accessed April 25, 2023.

USGS, 2023d. Science in Your Watershed – Locate Your Watershed. Available online: <https://water.usgs.gov/wsc/cat/18020003.html>. Accessed June 1, 2023.

Wang, D., *et al.*, 2020. Economic footprint of California wildfires in 2018. Available online: [https://discovery.ucl.ac.uk/id/eprint/10119102/3/Guan\\_Maintext.pdf](https://discovery.ucl.ac.uk/id/eprint/10119102/3/Guan_Maintext.pdf). Accessed May 9, 2023.

Western Regional Climate Center (WRCC). 2024. Cooperative Climatological Data Summaries, Burney, CA. Available online at: <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca1214>. Accessed April 2024.



# **APPENDIX BIO**

---

---

BIOLOGICAL ASSESSMENT



## **BIOLOGICAL ASSESSMENT**

### **BURNEY FEE-TO-TRUST AND HOUSING PROJECT**

---

**PIT RIVER TRIBE**  
36970 Park Avenue  
Burney, CA 96013  
Agnes Gonzalez  
Chairwoman

Prepared for:

**MONTROSE ENVIRONMENTAL SOLUTIONS, INC.**  
David Bise, Principal Biologist  
[dabise@montrose-env.com](mailto:dabise@montrose-env.com)

Diana Roberts, Project Manager  
415-310-0946  
[diroberts@montrose-env.com](mailto:diroberts@montrose-env.com)

Prepared by:

October 2024

P.O. Box 340441  
Sacramento, CA 95834-9998  
Tel: 916.447.3479  
[www.montrose-env.com](http://www.montrose-env.com)

**PAGE LEFT INTENTIONALLY BLANK**

## TABLE OF CONTENTS

1	Introduction.....	1
	1.1 Purpose and Need .....	1
	1.2 Proposed Project Components .....	1
	1.2.1 Buildings .....	2
	1.2.2 Access and Parking .....	2
	1.2.3 Construction .....	2
	1.2.4 Applicant Conservation Measures .....	2
	1.2.4.1 Northern Spotted Owl Measures .....	2
	1.2.4.2 Nesting Migratory Bird Measures .....	3
	1.2.4.3 Northwestern Pond Turtle Measures.....	4
	1.2.4.4 General Measures .....	4
	1.3 Action Area .....	5
2	Methodology .....	6
	2.1 Biological Surveys .....	10
	2.2 Analysis.....	10
3	Environmental Setting.....	10
	3.1 Topography, Climate, and Soil Types .....	10
	3.2 Habitat Types Within Action Area .....	11
	3.2.1 Mixed Conifer Forest.....	11
	3.2.2 Shrub and Grassland .....	11
	3.2.3 Ruderal/Developed .....	11
	3.2.4 Riparian .....	11
	3.2.5 Riverine (Burney Creek).....	12
	3.3 Aquatic Resources .....	12
	3.4 Critical Habitat and Essential Fish Habitat.....	14
	3.5 Federally Listed and Candidate Species .....	14
	3.5.1 USFWS IPaC Query .....	14
	3.5.2 Species Considered but Not Addressed Further .....	14
	3.5.2.1 Slender Orcutt Grass .....	14
	3.5.2.2 Conservancy Fairy Shrimp .....	15
	3.5.2.3 Shasta Crayfish .....	15
4	Effects of the Action .....	15
	4.1 Critical Habitat & Essential Fish Habitat.....	16
	4.2 Impacts on Federally Listed and Candidate Species .....	18
	4.2.1 Northern Spotted Owl.....	18
	4.2.1.1 Status and Life History.....	18
	4.2.1.2 Occurrence in the Action Area .....	18

---

4.2.1.3	Critical Habitat.....	18
4.2.1.4	Effects Analysis.....	18
4.2.2	Northwestern Pond Turtle.....	19
4.2.2.1	Status and Life History.....	19
4.2.2.2	Occurrence in the Action Area.....	19
4.2.2.3	Critical Habitat.....	20
4.2.2.4	Effects Analysis.....	20
4.2.3	Monarch Butterfly.....	20
4.2.3.1	Status and Life History.....	20
4.2.3.2	Occurrence in the Action Area.....	21
4.2.3.3	Critical Habitat.....	21
4.2.3.4	Effects Analysis.....	21
4.3	Cumulative Effects.....	21
4.4	Interrelated and Interdependent Effects.....	22
5	Conclusions.....	23
6	Literature Cited.....	24

## IN-TEXT FIGURES

Figure 1: Regional Location.....	7
Figure 2: Site and Vicinity.....	8
Figure 3: Site Plan and Action Area.....	9
Figure 4: Vegetation Communities.....	13
Figure 5: Vegetation Community Impacts.....	17

## APPENDICES

Appendix A – Database Queries

**PAGE LEFT INTENTIONALLY BLANK**

---

## 1 INTRODUCTION

The purpose of this Biological Assessment (BA) is to address the effects of the Pit River Tribe (Tribe) Burney Fee-To-Trust and Housing Project (Proposed Action) on species listed as endangered or threatened or candidate species under the federal Endangered Species Act (ESA). Seven parcels totaling approximately 65.25 acres (Project Site) is currently held in fee by the Tribe and is located within unincorporated Shasta County in the Town of Burney, California (**Figures 1 and 2**). The Tribe proposes to develop a portion of the Project Site with thirty-six houses for tribal members, a building to house Tribal Council Chambers/offices/meeting space, an outdoor meeting area, and three or four small non-residential complexes that would support both commercial and tribal office uses (Alternative A). The Project Site is contiguous to the Tribe's existing trust land.

### 1.1 Purpose and Need

The Proposed Action is the transfer of the Project Site into trust pursuant to the Secretary's authority under the Indian Reorganization Act, 25 USC § 5108. This purpose satisfies the Department of the Interior's (Department's) land acquisition policy articulated in the Department's trust land regulations at 25 CFR, Part 151. The purpose of the Proposed Action is to promote economic development, self-determination, and self-sufficiency of the Tribe, consistent with the BIA's "Self Determination" policy.

The Project Site is adjacent to facilities owned and operated by the Tribe, including the Pit River Casino, the Pit River Mini Mart, and Pit River Tribal Housing. Alternative A would provide the Tribe with additional housing, income derived from commercial development, and indirect economic benefits associated with providing secure housing options to the Tribe's members. Acquisition of the Project Site into federal trust and the subsequent development of Alternative A would allow the Tribe to meet the following goals:

- Restore a land base of the Tribe's ancestral territory in the state of California;
- Provide safe and sufficient housing and childcare to tribal members;
- Engage in diverse and self-sustaining economic development;
- Assist the Tribe in meeting long-term goals of increased tribal revenue, employment and managerial experience, and enhanced economic self-sufficiency;
- Facilitate tribal self-sufficiency, self-determination, and economic development;
- Allow the Tribe to exercise sovereign authority over land that it owns;
- Enhance the well-being of tribal citizens and strengthen the Tribe's ability to serve tribal citizens;
- Reduce the risk of wildfire by allowing the Tribe to properly manage the land for fire dangers;
- Protect potentially occurring cultural resources and existing natural resources within and immediately adjacent to the Project Site.

### 1.2 Proposed Project Components

Alternative A consists of the following: (1) transfer of the Project Site into federal trust for the benefit of the Tribe; and (2) construction of 36 residential housing units, Tribal administration buildings, and three small commercial complexes (**Figure 3**). Alternative A would shift civil regulatory jurisdiction of the Project Site to the

---

Tribe and federal government.

### 1.2.1 Buildings

The commercial development on Assessor's Parcel Number (APN)s 028-410-014, would front State Route (SR)-299 and Tamarack Avenue. Tribal Council chambers/ office/ meeting space, parking, and an outdoor gathering space on APN 028-410-016. Twenty-six of the residences would be built behind the commercial buildings on APN 028-410-015. Ten single-family Tribal member houses and/or tribal administration, such as daycare would be built on APN 028-450-033 (**Figure 3**). The building footprint of each house would range from approximately 1,800 square feet (sf) to 2,400 sf. The two-story Tribal Council Chambers/office/meeting space building would be 16,000 sf, and the commercial buildings would have an average footprint of 13,700 sf.

### 1.2.2 Access and Parking

Regional access to some of the residences and commercial buildings would be via SR-299 and Tamarack Avenue, which run in an approximately east-west direction to the north of the majority of the parcels. The ten residential parcels on APN 028-450-033 would be accessed via Bartell Street, a north-to-south trending roadway on the eastern edge of the Project Site. Internal dirt roads from these streets provide vehicular access to the interior of the Project Site. Land uses near the Project Site include residential areas, a church, a gas station, timberland, and the Pit River Casino. On-site parking is approximated to be 59,000 sf. Driveways would cover approximately 9,308 sf, and internal roads would be 24 feet wide.

### 1.2.3 Construction

Construction would involve earthwork, placement of concrete foundations, steel and wood structural framing, electrical and mechanical work, building finishing, and paving. Construction would also involve grading and excavation for building pads. Given the level topography of the Project Site, construction may be accomplished with balanced onsite cut and fill; however, structural-grade fill may be imported to meet engineering requirements for roadways and building pads. Structures would be erected in a manner consistent with the California building code standards in effect at the time of final design planning. Roads would be a minimum of 24 feet wide with a single lane in either direction.

### 1.2.4 Applicant Conservation Measures

The following measures are proposed by the Tribe to avoid or minimize impacts to federally listed or candidate species that may occur in the vicinity of the Action Area, described below in Section 1.3, Action Area.

#### 1.2.4.1 Northern Spotted Owl Measures

- 1) Any necessary tree removal for construction will be restricted to October 1 through February 1, outside of the nesting season for northern spotted owl (*Strix occidentalis*) or protocol surveys will be conducted for northern spotted owl prior to tree removals.
- 2) Construction equipment will utilize existing public and private roads to the extent feasible during construction to minimize additional land disturbance.



- 3) In areas where field surveys identify the presence of suitable nesting habitat for northern spotted owl within the project work limits, the status of nesting activity would be determined through protocol-level surveys to determine the presence/absence of nesting northern spotted owls. If no active nests are identified, construction may proceed. If active nests are encountered during protocol surveys, USFWS will be consulted regarding incorporation of additional avoidance and minimization measures including establishment of nest avoidance buffers around active northern spotted owl nests.

#### **1.2.4.2 Nesting Migratory Bird Measures**

- 1) Should construction activities associated with the Proposed Action occur during the general nesting season (February 15 to September 15), a preconstruction nesting bird survey shall be conducted no more than 5 days prior to the start of ground disturbing activities including tree removals. Areas within 500 feet of construction shall be surveyed for active nests.

Should an active nest be identified, a nest avoidance buffer shall be established based on the needs of the species identified. Avoidance buffers may vary in size depending on habitat characteristics, project-related activities, and disturbance levels.

Construction fencing or flagging shall be applied along the outermost perimeter of the nest avoidance buffer. Avoidance buffers and construction fencing shall remain in place until the end of the general nesting season or upon determination that the nest has fledged or is otherwise determined to be inactive.

Should work activity cease for 7 days or greater during the breeding season, surveys shall be repeated to ensure birds have not established nests during inactivity.

If active nests are found within the Action Area, USFWS will be consulted regarding additional avoidance measures including potentially avoiding construction during the nesting season in suitable habitat.

- 2) All project related activities should comply with the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act to the greatest extent possible. Active nests (i.e., nests with eggs or chicks) are protected year-round. Project related activities requiring disturbance to, or removal of, an active nest or causing a breeding bird to leave the nest for prolonged lengths of time should not be implemented.
- 3) To the extent possible, work should be scheduled outside of the bird breeding/nesting season (February 15 – August 31) to avoid impacts to nesting birds.
- 4) If work must be scheduled during the bird breeding season, a qualified biologist should conduct a pre-construction nesting bird survey, to include a 500-ft buffer from the edge of the project area, to ensure that no active nests are present in the project vicinity.
  - a. If an active nest is located, the nest area should be flagged for avoidance, and a buffer zone delineated, flagged, or otherwise marked. Buffer distances can be determined by a Nesting Bird Management Plan (NBMP), approved by the USFWS, that considers species, terrain, habitat type, and activity levels.

- 
- b. In the absence of an approved NBMP, the following buffer distances are recommended:
- i. Passerines: For non-ESA species, exclusionary buffers will be no less than 100 feet.
  - ii. Raptors (excluding eagles): No less than 500 feet.
  - iii. Federally listed birds: No less than 300 feet.

#### 1.2.4.3 *Northwestern Pond Turtle Measures*

- 1) No less than 14 days prior to initiating ground-disturbing activities, a qualified biologist shall conduct preconstruction surveys in accordance with applicable regulations and guidelines for northwestern pond turtle (*Actinemys marmorata*). The biologist will ensure turtles are not present within the project work limits prior to the installation of exclusionary fencing/barrier (silt-fence).
- 2) The project work limits shall be delineated prior to installation of exclusionary fencing by a qualified biologist. No construction activities shall take place outside the delineated project work limits.
- 3) The project work limits shall be fenced off with exclusionary fencing to prevent northwestern pond turtle from moving into the construction area. This barrier will be constructed out of properly installed silt fencing or equivalent material to prevent the movement of northwestern pond turtle into the project work limits. The bottom of the fencing will be keyed into the ground to prevent wildlife from moving under the fencing.
- 4) If any northwestern pond turtles are found during pre-construction surveys, the biologist shall contact USFWS within 24 hours to initiate consultation, to determine whether relocation and/or additional exclusion buffers are appropriate. If the USFWS approves relocating the animal, then the approved, qualified biologist shall be given sufficient time to move the animal(s) from the project work limits before work construction can begin.
- 5) Any vegetation removed prior to the start of construction activities shall be placed away from sensitive species exclusion areas so that no cut vegetation remains once exclusionary fencing is installed. All nonnative, invasive vegetation removed shall be discarded offsite and away from aquatic resources to prevent reseeding.
- 6) If any northwestern pond turtle are observed in the project work limits during construction, work will immediately stop. The northwestern pond turtle will be allowed to move out of harm's way on its own accord, and USFWS will be contacted within 24 hours to initiate consultation on additional avoidance measures in conjunction with a qualified biologist.

#### 1.2.4.4 *General Measures*

- 1) Before the project activities begin, all construction personnel shall attend a Worker Environmental Awareness Training session conducted by a qualified biologist. The session shall describe potentially occurring special-status species including northern spotted owl, northwestern pond turtle and their habitats, address the proper implementation of avoidance measures, and clarify the boundaries of the project work limits.
- 2) Federally-listed plants or wildlife should not be collected or harassed if encountered on site.

- 3) Any wildlife encountered during an activity, including construction, operation, and decommissioning should be allowed to leave the area of its own accord, unharmed.
- 4) Trash will be disposed of daily in covered containers during construction to minimize the potential for construction activities to attract scavengers that could affect federally listed species that may occur within the Action Area.
- 5) Feeding of wildlife and/or leaving of food or trash as an attractive nuisance to wildlife is prohibited. Particular attention should be paid to “micro-trash” (including such small items as screws, nuts, washers, nails, coins, rags, small electrical components, small pieces of plastic, glass or wire, and any debris or trash that is colorful or shiny).
- 6) All trash and food items should be promptly contained within closed, wildlife-proof containers. These should be regularly removed from the Project Site to reduce the attractiveness of the area to ravens and other predators.
- 7) The project proponent, its agents, or contractors should cover or fill all potential pitfalls to wildlife or cavities in which wildlife may become trapped when not attended. These include pits, trenches, vats, buckets, pipes, etc. Ramping should be provided in open trenches when necessary to provide escape routes for entrapped wildlife.
- 8) The project proponent, its agents, or contractors should preserve existing native vegetation to the extent practicable. Precautions should be taken to avoid damage to native vegetation by people or equipment.
- 9) To the extent practicable, material laydown yards, staging areas, and areas of surface disturbance associated with the project should be located in previously disturbed areas or in areas where habitat quality is poor. In addition, material laydown yards, staging areas, and areas of surface disturbance shall not be located within the buffers to Burney Creek, or within buffer from aquatic resources.
- 10) To prevent the introduction of invasive plant species, project proponents, their agents, or contractors should ensure that all vehicles and equipment that have been used on sites outside of the project area are cleaned prior to entering the project work limits.
- 11) When applicable, weed-free dirt, mulch, gravel, and other materials should be used.
- 12) Domestic pets are discouraged on site. This does not apply to the use of domestic animals that may be used to aid in official and approved monitoring procedures/protocols, or service animals under Titles II and III of the Americans with Disabilities Act.

### 1.3 Action Area

The Project Site consists of seven parcels (Assessor’s Parcel Numbers [APNs] 028-170-015, 028-410-014, 028-410-015, 028-410-016, 028-410-018, 028-410-025, and 028-450-033) located southeast of California State Route 299 (SR-299) and Tamarack Road, and west of Bartell Street in the Town of Burney, CA located within unincorporated Shasta County (Figure 2). The Action Area is within Section 19, Township 35 North, Range 3 East,

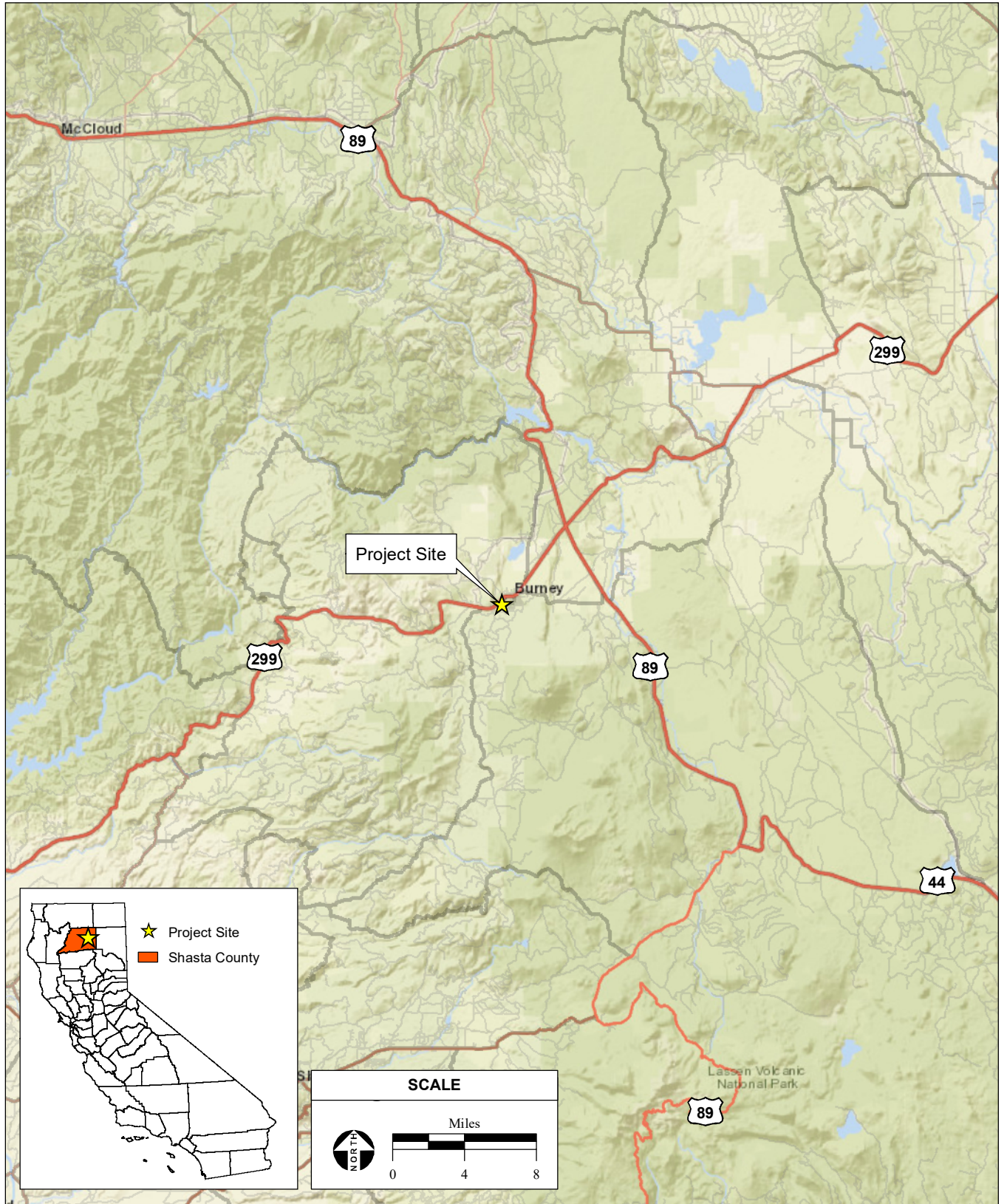
---

as depicted on the “Burney, CA” U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle (Figure 3). The Action Area includes the 11.89-acre proposed project work limits and entire Project Site.

## 2 METHODOLOGY

The following information was reviewed in support of the analysis contained in this BA and to support site investigations:

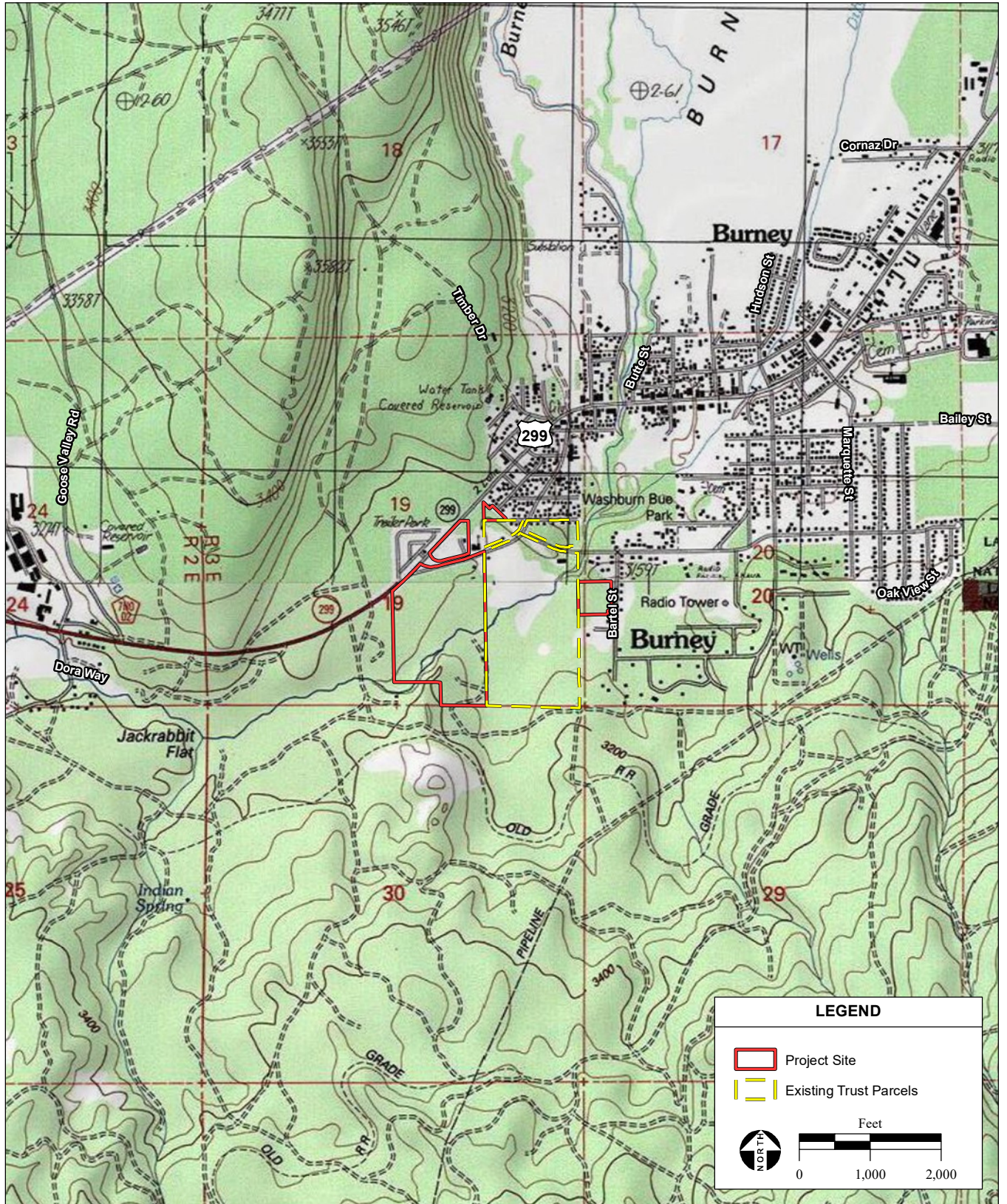
- United States Fish and Wildlife Service (USFWS) Official Species List, inquiry of federally species with the potential to occur within the Action Area last updated July 24, 2024 (USFWS 2024a; **Appendix A**);
- USFWS Critical Habitat Mapper (USFWS 2024b)
- USFWS National Wetlands Inventory (NWI) map of wetland features on the Action Area (USFWS 2023a; **Appendix A**);



SOURCE: ESRI, 2023; Montrose Environmental, 10/23/2023

Pit River Tribe Burney Fee-to-Trust and Housing BA / 222518 ■

**Figure 1**  
Regional Location



SOURCE: "Burney, CA" & "Burney Mountain West, CA" USGS 7.5 Minute Topographic Quadrangles, T35N R3E, Sections 19 & 20, Mt. Diablo Baseline & Meridian; ESRI, 2023; Montrose Environmental, 10/23/2023

Pit River Tribe Burney Fee-to-Trust and Housing BA / 222518 ■

**Figure 2**  
Site and Vicinity



**Figure 3**  
Site Plan and Action Area

- California Native Plant Society (CNPS) query, last updated July 31, 2024, of special-status plant species (California Rare Plant Rank [CRPR]) known to occur on the Burney and Burney Mountain West USGS 7.5-minute topographic quads (CNPS 2024; **Appendix A**);
- California Natural Diversity Database (CNDDDB) query, last updated October 23, 2024, of special-status plant and wildlife species known to occur on the Burney and Burney Mountain West USGS 7.5-minute topographic quads (CDFW 2024; **Appendix A**);
- National Marine Fisheries Service (NMFS) ESA Critical Habitat Mapper (NMFS 2024; **Appendix A**); and
- National Oceanic and Atmospheric Administration (NOAA) Essential Fish Habitat Mapper (NOAA 2024; **Appendix A**).

## 2.1 Biological Surveys

A biological resources survey was conducted in the Action Area on August 22 and August 23, 2022. Dominant vegetative communities were identified, surface waters were mapped, and the potential for special-status species to occur within the Action Area was evaluated. In addition to site visits, current and historical aerial imagery and topographic maps were reviewed. Surveys assessed habitat types, federally listed species, suitable habitat for federally listed species, and wetlands and waters of the U.S. Species and habitat types were classified using the *Guidelines for Assessing the Effects of Proposed Projects on Rare, Threatened, and Endangered Plants and Natural Communities* (CDFW 2018), *Botanical Survey Guidelines of the California Native Plant Society* (CNPS 2001), *Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed, and Candidate Plants* (USWS 2000), and *The Jepson eFlora* (Jepson Flora Project 2024).

## 2.2 Analysis

An analysis to determine federally listed or candidate species that may have the potential to occur within the Action Area was conducted. Habitat requirements for each species were assessed and compared to the type and quality of habitats observed in the Action Area during surveys. Species with no potential to occur within the Action Area were ruled out of further analysis based on lack of suitable habitat, elevation range, substrate/soils, and/or geographic distribution.

## 3 ENVIRONMENTAL SETTING

### 3.1 Topography, Climate, and Soil Types

The Action Area is located within the southwestern portion of Shasta County within the City of Burney. The Action Area has a Mediterranean climate with warm, dry summers and relatively mild winters. The mean annual temperature range near the City of Burney, CA is approximately 43° to 89° Fahrenheit (F). The average annual precipitation is approximately 28.4 inches, with a maximum of approximately 5 inches occurring during the month of December. Soils within the Action Area include Burney-Arkright complex, 2 to 9 percent slopes, Jimmerson loam-Jimmerson stony sandy loam complex, 2 to 15 percent slopes, and Matquaw gravelly sandy loam, 0 to 5 percent slopes (NRCS 2022). The Burney-Arkright complex and the Jimmerson loam-Jimmerson



stony sandy loam complex are not considered hydric. The Matquaw gravelly sandy loam series is considered hydric.

## 3.2 Habitat Types Within Action Area

A habitat map is provided in **Figure 3**. The Project Site is comprised of mixed conifer forest, shrub and grassland habitats, ruderal/developed, riparian, and riverine habitats.

Aquatic habitat on the Project Site includes a portion of Burney Creek, as well as two ephemeral drainages, which are tributaries to Burney Creek (**Figure 4**).

### 3.2.1 Mixed Conifer Forest

The majority of the site is comprised of mixed conifer forest. This habitat covers approximately 56.8 acres (89 percent) of the parcels within the Action Area and consists of mixed-age stands dominated by Ponderosa pine (*Pinus ponderosa*) and Douglas fir (*Pseudotsuga menziesii*) with a contingent of true fir (*Abies* sp.) and California black oak (*Quercus kelloggii*). An understory consisting of mahala mat (*Ceanothus prostratus*) and sapling forms of canopy tree species grows beneath the canopy. A large burn scar is located within this habitat type and along Burney Creek. Additionally, two berms exist within mixed conifer forest property characterized by raised earth with prior disturbance presumably from logging or other earthmoving. Approximately 10.90 acres of mixed conifer forest would be impacted by the Proposed Action.

### 3.2.2 Shrub and Grassland

Shrub and grassland habitats occur interspersed within the Action Area in areas of open canopy. This habitat covers approximately 3.0 acres (4.6 percent) of the parcels and is comprised of bare earth and native and non-native grass with shrub species, including rye (*Secale* sp.), purple false-brome (*Brachypodium distachyon*), manzanita (*Arctostaphylos* sp.), creeping snowberry (*Gaultheria hispidula*), yellow star-thistle (*Centaurea solstitialis*), and silver sagebrush (*Artemisia cana*). Approximately 0.70 acre of shrub and grassland would be impacted by the Proposed Action.

### 3.2.3 Ruderal/Developed

Developed areas include existing buildings and their associated compacted dirt roads and lots. These comprise approximately 2.9 acres (4.5 percent) of the parcels within the Action Area. Approximately 0.29 acre of ruderal/developed areas would be impacted by the Proposed Action.

### 3.2.4 Riparian

Riparian habitat covering approximately 1.4 acres (2.2 percent) of the Action Area is found in a corridor along Burney Creek, and is composed of thickly growing Oregon ash (*Fraxinus latifolia*) and California greenbrier (*Smilax californica*). This community would not be impacted by the Proposed Action.

---

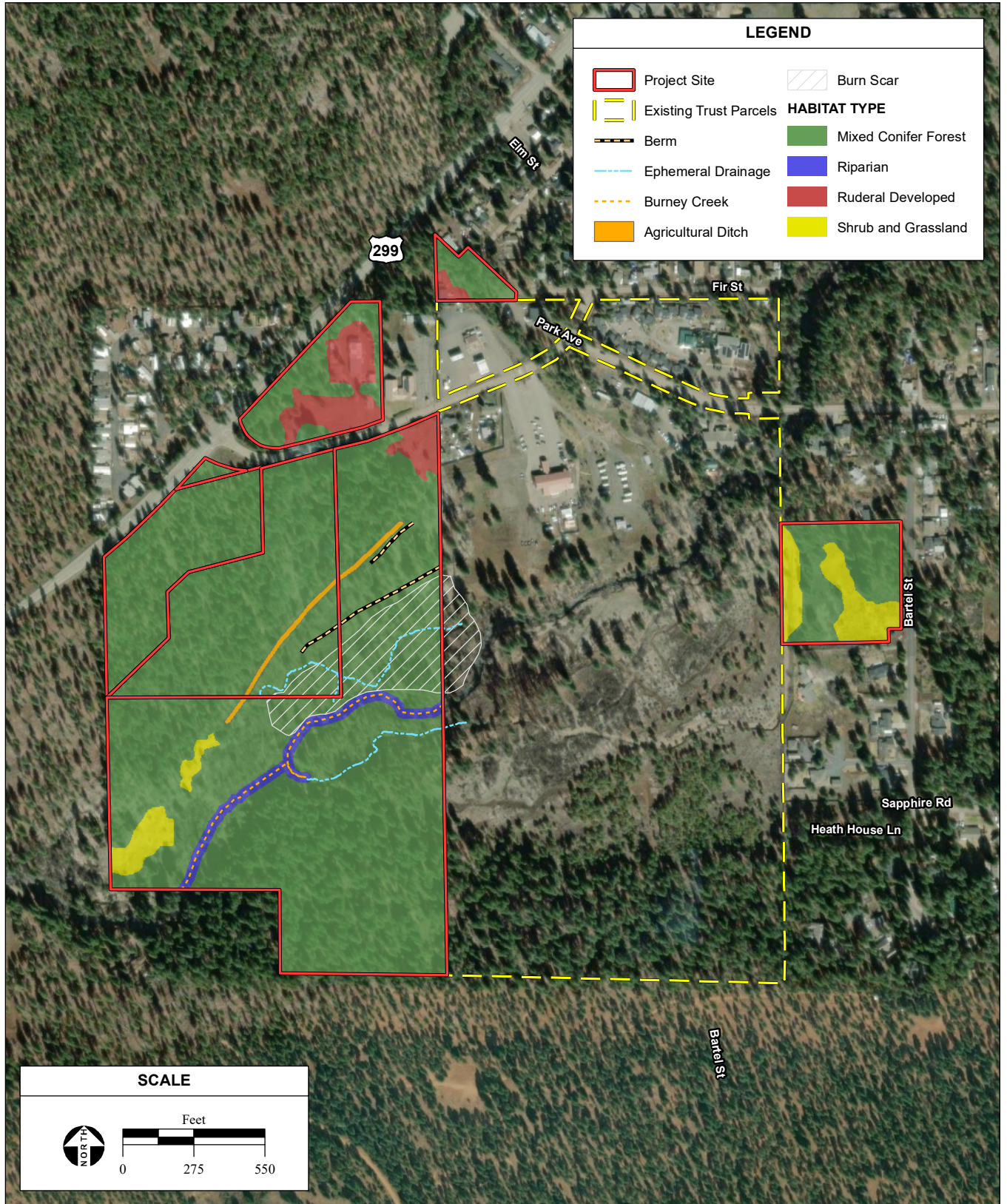
### 3.2.5 Riverine (Burney Creek)

Burney Creek bisects the Action Area, and is bordered by mixed conifer forest to the north and south. Burney Creek also supports riparian habitat along its banks as described above. Burney Creek will not be impacted by the Proposed Action.

### 3.3 Aquatic Resources

Aquatic habitat within the Action Area is limited to Burney Creek and two associated ephemeral drainages as well as an active agricultural ditch. Approximately 1,535 linear feet of Burney Creek and 1,896 linear feet of ephemeral drainages occur within the Action Area. The course of these features and Burney Creek is shown on Figure 4. The ephemeral drainages originate outside the Project Site within existing trust land and flow on-site into Burney Creek. It may be possible for Burney Creek to backflow into these drainages in flood conditions per observation of the topography.

The agricultural ditch runs along the northern bank of Burney Creek and takes water upstream of the Action Area and eventually connects to Burney Creek downstream of the Action Area. All aquatic features are avoided by the Proposed Action.



SOURCE: Shasta County Parcels, 2021; Maxar aerial photograph, 3/16/2022; ESRI, 2023; Montrose Environmental, 10/23/2023

Pit River Tribe Burney Fee-to-Trust and Housing BA / 222518 ■

**Figure 4**  
Vegetation Communities

---

### 3.4 Critical Habitat and Essential Fish Habitat

There is no USFWS designated critical habitat within the Action Area (USFWS 2024a; USFWS 2024b). Burney Creek does not contain NMFS designated critical habitat (NMFS 2024). No designated essential fish habitat (EFH) within the Action Area (NOAA 2024). Therefore, designated critical habitat and essential fish habitat will not be affected by the Proposed Action.

### 3.5 Federally Listed and Candidate Species

#### 3.5.1 USFWS IPaC Query

A query of the Service's IPaC database was conducted on July 24, 2024 for the Proposed Action (see Appendix A). The query determined that one federally listed plant species slender Orcutt grass (*Orcuttia tenuis*) and four federally listed or candidate wildlife species; northern spotted owl (*Strix occidentalis caurina*), Monarch butterfly (*Danaus plexippus*), Conservancy fairy shrimp (*Branchinecta conservatio*), and Shasta crayfish (*Pacifastacus fortis*) could potentially occur in the region of the Action Area. It should be noted that northwestern pond turtle (*Emys [Actinemys] marmorata*) was recently classified as a candidate for listing under the ESA. Three species were determined to not have a potential to occur within the Action Area based on lack of suitable habitat or other reasoning as outlined below. Species that were ruled out from potentially occurring within the Action Area will not be discussed further in this BA.

#### 3.5.2 Species Considered but Not Addressed Further

##### 3.5.2.1 Slender Orcutt Grass

##### Listing Status, Distribution, and Habitat Requirements

Slender Orcutt grass was federally listed as threatened in March of 1997. This species is known from scattered localities in Lake, Lassen, Modoc, Butte, Plumas, Sacramento, Shasta, and Tehama Counties. The highest percentage of known occurrences is in northern Tehama County. Slender Orcutt grass is typically found in vernal pool complexes derived from volcanic soils (USFWS 2005).

##### Reasoning for Dismissal

The Action Area does not contain suitable vernal pool habitat for this species. Further, aquatic environments within the Action Area will be avoided by the Proposed Action. Therefore, this species is not expected to occur within the Action Area and will not be affected by the Proposed Action. There is no designated critical habitat for this species within the Action Area. Therefore, the Proposed Action will have no effect on slender Orcutt grass or designated critical habitat for this species, and this species is not addressed further in this BA.

---

### 3.5.2.2 *Conservancy Fairy Shrimp*

#### Listing Status, Distribution, and Habitat Requirements

Conservancy fairy shrimp was listed as endangered in September of 1994. This species is known to occur in vernal pools and other seasonal wetlands within the Vina Plains within Butte and Tehama Counties, at a single location in western Placer County, within the Jepson Prairie Preserve in Solano County, in the Yolo Bypass Area of Yolo County, within the Sacramento National Wildlife Refuge, and in isolated populations within the San Joaquin Valley south to Los Padres National Forest. This species is endemic to vernal pools. Typical vernal pools that this species utilize include relatively large and turbid pools with a longer than average hydroperiod (USFWS 2012).

#### Reasoning for Dismissal

The Action Area does not contain suitable vernal pool habitat for this species. In addition, aquatic environments within the Action Area will be avoided by the Proposed Action. Therefore, this species is not expected to occur within the Action Area and will not be affected by the Proposed Action. There is no designated critical habitat for this species within the Action Area. Therefore, the Proposed Action will have no effect on Conservancy fairy shrimp or designated critical habitat for this species, and this species is not addressed further in this BA.

### 3.5.2.3 *Shasta Crayfish*

#### Listing Status, Distribution, and Habitat Requirements

Shasta crayfish was listed as endangered in September of 1988. Shasta crayfish are restricted to Shasta County in streams and ponds with volcanic rock base within the Pit River watershed including tributaries of Hat Creek and Fall River. This species has declined significantly due to spread of the non-native signal crayfish, disease, water pollution, and habitat loss and is now considered critically endangered.

#### Reasoning for Dismissal

Known occurrences of Shasta crayfish are limited to the Hat Creek and Pit River watersheds. There are no known occurrences of the species within the Burney Creek watershed, and the species was considered extirpated within Burney Creek by the USFWS prior to the listing of the species in 1988 (USFWS 2023b). In addition, Burney Creek and associated drainages will not be impacted by the Proposed Action. Critical habitat has not been designated for this species (USFWS 2024a). Therefore, the Proposed Action will have no effect on Shasta crayfish or designated critical habitat for this species, and this species is not addressed further in this BA.

## 4 EFFECTS OF THE ACTION

Impacts to biological communities as a result of the Proposed Action are shown on Figure 5. As shown in the figure, impacts include 10.90 acres of impact to mixed conifer forest, 0.70 acre of impact to shrub and grassland habitats within open areas of forest canopy, and 0.29 acre of impacts to ruderal/developed areas. No impacts

---

will occur to Burney Creek, its associated ephemeral drainages, or associated riparian habitats. An existing agricultural ditch running along the north bank of Burney Creek will also be avoided by the Proposed Action.

#### **4.1 Critical Habitat & Essential Fish Habitat**

No USFWS designated critical habitat is present within the Action Area (USFWS 2024a, 2024b). Additionally, no NMFS/NOAA designated critical habitat or EFH within the Action Area (NMFS 2024; NOAA 2024). Therefore, designated critical habitat and essential fish habitat will not be affected by the Proposed Action.



**Figure 5**  
Vegetation Community Impacts

---

## 4.2 Impacts on Federally Listed and Candidate Species

No suitable habitat for federally listed plant species occurs within the Action Area (see discussion in Section 3.5.2.1). One federally listed wildlife species (northern spotted owl) and two candidate species (Monarch butterfly and northwestern pond turtle) have the potential to occur within the Action Area. The potential effects on these species from the Proposed Action are discussed below.

### 4.2.1 Northern Spotted Owl

#### 4.2.1.1 *Status and Life History*

Northern spotted owl is listed as threatened under the ESA (USFWS 2024a). Northern spotted owls generally rely on old growth forest habitats for nesting, roosting, foraging, and dispersal. Old-growth forests contain a multi-layered, multi-species canopy dominated by large overstory trees with moderate to high canopy closure. Older forests also have a high incidence of trees containing large cavities and other types of deformities; numerous large snags; an abundance of large, dead wood on the ground; and open space within and below the upper canopy for owls to fly (Thomas et al. 1990). Generally, northern spotted owls do not select intermediate or younger-aged stands (Solis and Gutierrez 1990). Foraging habitat ranges from complex structure to forests with lower canopy closure and smaller trees (Solis and Gutierrez 1990).

#### 4.2.1.2 *Occurrence in the Action Area*

There are no documented occurrences of northern spotted owl within the Action Area and this species was not observed during site reconnaissance visits (CDFW 2024). The nearest documented occurrence of this species to the Action Area is from 1990 and is approximately 5.5 miles northwest of the Action Area within a designated timber harvest area. The Action Area contains marginally suitable habitat for this species within the mixed conifer vegetation community. The stands of mixed conifer within the Action Area are relatively young and therefore, do not present primary old growth habitat for this species. However, given the documented occurrences in the vicinity of the Action Area and the marginally suitable habitat present, there is some potential for this species to occur within the Action Area.

#### 4.2.1.3 *Critical Habitat*

There is no designated critical habitat for this species within the Action Area. The nearest designated critical habitat is approximately 7.5 miles northwest of the Action Area.

#### 4.2.1.4 *Effects Analysis*

No northern spotted owls were observed within the Action Area during field surveys and there are no documented occurrences of northern spotted owl within the Action Area. However, the Action Area contains marginally suitable habitat for northern spotted owl especially for foraging where younger forest stands can be utilized. While the majority of forested habitat within the Action Area will not be directly impacted by the Proposed Action, impacts to northern spotted owl could occur if it were present during construction activities including tree removal within mixed conifer habitat. Construction activities such as tree removal could result in



---

direct impacts to active nests and breeding pairs or nest abandonment could occur associated with increased human presence, noise, or lighting during construction activities. Construction activities could also result in disruptions to foraging behaviors or avoidance of suitable foraging habitat.

Indirect impacts to northern spotted owls could occur from long-term increased lighting, noise, and human presence within the Action Area associated with long-term occupation of housing units and commercial buildings. The increased human presence may make remaining forest areas less suitable for use by spotted owls in the future because of this increased level of human activity.

The applicant has proposed avoidance measures to avoid or reduce impacts to northern spotted owls that may occur within the Action Area during construction. Proposed conservation measures for northern spotted owls outlined in Section 1.2.4.1 will require protocol level surveys during the owl's nesting season. If active nesting is determined, additional measures may be developed in consultation with USFWS.

As outlined in the proposed conservation measures in Section 1.2.4.1, if construction activities occur within the northern spotted owl nesting season, protocol level surveys will be conducted to determine suitable habitat and presence/absence of nesting owls. If active nesting is documented, the USFWS will be consulted in developing and incorporating appropriate avoidance and minimization measures. Compliance with the applicant proposed conservation measures in Section 1.2.4.1, activities associated with the Proposed Project **may affect but are not likely to adversely affect** northern spotted owl and its suitable habitats within the Action Area.

## **4.2.2**      **Northwestern Pond Turtle**

### **4.2.2.1**    ***Status and Life History***

Northwestern pond turtle and southwestern pond turtle species (collectively referred to as western pond turtle) were proposed for listing by the USFWS in October of 2023. The northwestern pond turtle subspecies is known to occur within Washington, Oregon, Nevada, and northern and central California and is the species that could potentially occur within the Action Area. Pond turtle individuals are found within perennial ponds, lakes, streams, or permanent pools within seasonal streams. Pond turtles typically require basking sites of submerged logs, mats of vegetation or mud banks (Jennings and Hayes 1994). Nests can be constructed in suitable upland areas up to several hundred meters from aquatic habitat; the average distance is 28 meters (92 feet) from aquatic habitat (Rathbun et al. 2002). Eggs are laid in sandy to clay soils (Nussbaum et. al. 1983). Pond turtles overwinter in both aquatic and terrestrial habitats. Terrestrial overwintering habitat consists of: (1) burrows in leaf litter or soil, and (2) upland refuges that are an average of 50 meters (164 feet) from the aquatic habitats (Rathbun et al. 2002).

### **4.2.2.2**    ***Occurrence in the Action Area***

No northwestern pond turtles were observed within the Action Area during site surveys and there are no documented occurrences for the species within the Action Area. The nearest documented occurrence of the species is approximately 7 miles northeast of the Action Area (CDFW 2024). Burney Creek does contain suitable

---

aquatic habitat for this species and adjacent upland areas could potentially support nesting habitat for this species. Suitable nesting habitat exists within the upland areas; however, there is no known suitable perennial aquatic habitat within dispersal range. Therefore, this species has some potential to occur within the Action Area.

#### **4.2.2.3 Critical Habitat**

Northwestern pond turtle is a newly designated candidate for federal listing and therefore, no critical habitat has been designated for the species.

#### **4.2.2.4 Effects Analysis**

No northwestern pond turtles were observed within the Action Area during field surveys and there are no documented occurrences of northwestern pond turtles within the Action Area. However, the Action Area contains suitable habitat for northwestern pond turtle within portions of Burney Creek and its associated drainages. Northwestern pond turtle could also potentially utilize upland areas adjacent to Burney Creek for egg laying. While Burney Creek will not be directly impacted by the Proposed Action, impacts to northwestern pond turtle could occur if it were present during construction activities. Construction activities such as vegetation removal and grading could result in direct impacts to northwestern pond turtle individuals or eggs present in upland areas during construction. Increased human presence, noise, or lighting during construction could also result in northwestern pond turtles avoiding suitable habitat within the Action Area.

Indirect impacts to northwestern pond turtles could occur from long-term increased lighting, noise, and human presence within the Action Area associated with long-term occupation of housing units and commercial buildings. The increased human presence may make remaining habitat areas along Burney Creek less suitable for use by northwestern pond turtle in the future because of this increased level of human activity.

The applicant has proposed avoidance measures to avoid or reduce impacts to northwestern pond turtle that may occur within the project work limits during construction. The conservation measures proposed for western pond turtle would reduce potential impacts to western pond turtle from the proposed project; a pre-construction survey shall be conducted using the most current USFWS approved methodology and exclusionary fencing shall be installed around the construction area. With compliance with the applicant proposed conservation measures outlined in Section 1.2.4, construction activities associated with the Proposed Project **may affect but are not likely to adversely affect** northwestern pond turtle and its suitable habitats within the Action Area.

### **4.2.3 Monarch Butterfly**

#### **4.2.3.1 Status and Life History**

The Monarch butterfly was designated as a candidate species for potential listing under the ESA in December of 2020. The Monarch can occur throughout North America, and Central and South America, Australia, New Zealand, as well as Pacific and Caribbean Islands where suitable habitat conditions exist (USFWS 2020). There

are two designated North American populations. The eastern population includes individuals east of the Rocky Mountains and the western population includes individuals occurring west of the Rocky Mountains. The western population generally overwinters in coastal California and Baja California. The eastern population overwinters in the southeastern U.S. and northern Mexico (USFWS 2020). Western populations typically overwinter in groves of blue gum eucalyptus (*Eucalyptus globulus*), Monterey pine (*Pinus radiata*), and Monterey cypress (*Hesperocyparis macrocarpa*) (USFWS 2020).

Monarchs require milkweed plants (*Asclepias sp.*) for oviposition and feeding of butterfly larvae. Nectar and milkweed sources are often found associated with riparian corridors in the western U.S. (USFWS 2020).

#### 4.2.3.2 Occurrence in the Action Area

No Monarch butterflies were observed within the Action Area during site surveys and there are no documented occurrences for the species within the Action Area. The nearest documented occurrence of the species is approximately 5.5 miles east of the Action Area near the community of Cassel (CDFW 2024). The Action Area is generally forested and does not contain suitable nectaring or breeding habitat. There is a riparian corridor associated with Burney Creek within the Action Area that could provide movement opportunities for the species during migration periods. This riparian corridor will be avoided by the Proposed Action. Therefore, this species is only expected to potentially use the Action Area as a movement corridor.

#### 4.2.3.3 Critical Habitat

This species is a candidate species and no critical habitat has been designated.

#### 4.2.3.4 Effects Analysis

Monarch butterflies are not expected to utilize the Action Area for nectaring or breeding due to lack of suitable habitat. Forested areas and developed areas without milkweeds or suitable nectaring plant species are not suitable habitats for this species. The open shrublands within the Action Area were not observed to contain suitable nectar plants or milkweed species and therefore, would not be expected to be utilized by this species. Given the lack of suitable habitat within the Action Area, it is expected that Monarch butterflies would generally not utilize the Action Area with the possible exception of moving through the Action Area during migration periods especially along Burney Creek which will not be impacted by the Proposed Action. The Proposed Action would not be expected to affect Monarch movements after construction of the Proposed Action as the riparian corridor along Burney Creek will not be impacted. Therefore, the Proposed Action is expected to have **no effect** on Monarch butterflies.

### 4.3 Cumulative Effects

Cumulative effects are those effects that may occur from future federal, private, or tribal actions that are reasonably certain to occur within the Action Area. Upon completion of the Proposed Action, regular maintenance of infrastructure associated with the Proposed Action as well as maintenance of housing units and

---

commercial buildings will occur. This is not expected to result in additional impacts to habitats identified in this BA and will generally occur within newly developed areas with minimal habitat value for federally listed species. Therefore, the Proposed Action is not expected to result in additional cumulative effects beyond those analyzed above.

#### **4.4 Interrelated and Interdependent Effects**

Interrelated projects are those that are part of a larger action and depend on the larger action for their justification. Interdependent effects are those that have no independent utility separated from the Proposed Action. The fee-to-trust conversion is interrelated to the construction of tribal housing and commercial areas. However, the fee-to-trust portion of the project is discussed in this document, and effects to federally listed species and their habitats are limited to the construction portion of the Proposed Action. No additional interrelated or interdependent construction activities or infrastructure improvements are associated with the Proposed Action. Therefore, the Proposed Action does not have interrelated or interdependent effects beyond those discussed in this BA.

---

## 5 CONCLUSIONS

Construction activities associated with the Proposed Project will have **no effect** on designated critical habitat and essential fish habitat as there is no designated critical habitat or essential fish habitat for federally listed species within the Action Area. The Action Area is generally not expected to support Monarch butterfly with the exception of potentially providing a movement corridor during migration periods. Migration of monarch butterflies is not expected to be affected by the Proposed Action as the primary movement corridor along Burney Creek will be avoided by the Proposed Action. Therefore, the Proposed Action will have **no effect** on Monarch butterfly. With compliance with the conservation measures outlined in this BA, construction activities associated with the Proposed Project **may affect but are not likely to adversely affect** northern spotted owl, and western pond turtle.

---

## 6 LITERATURE CITED

- California Department of Fish and Wildlife (CDFW). 2018. *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities*. March 20, 2018.
- CDFW. 2024. California Natural Diversity Database (CNDDDB). 2024. RareFind 5 version 9/29/24. Available online at: <https://www.wildlife.ca.gov/Data/CNDDDB>. Last accessed: October 23, 2024.
- California Native Plant Society (CNPS). 2001. *CNPS Botanical Survey Guidelines*. December 9, 1983 (revised June 2, 2001).
- Jennings, M. R. and M. P. Hayes. 1994. Amphibian and reptile species of special concern in California. California Department of Fish and Game. Rancho Cordova 255 pp.
- Jepson Flora Project (eds.). 2024. Jepson eFlora, <https://ucjeps.berkeley.edu/eflora/> [Last accessed: August, 2024].
- National Marine Fisheries Service (NMFS). 2024. *Critical Habitat Mapper*. Available at <https://noaa.maps.arcgis.com/apps/webappviewer/index.html?id=68d8df16b39c48fe9f60640692d0e318>.
- National Oceanic and Atmospheric Administration (NOAA). 2024. *Essential Fish Habitat Mapper*. Available at: <https://www.habitat.noaa.gov/apps/efhmapper/>.
- Natural Resources Conservation Service (NRCS). 2022. *Custom Soil Resource for Intermountain Area, Parts of Lassen, Modoc, Shasta, and Siskiyou Counties, California*.
- Nussbaum, R. A., E. D. Brodie, Jr., and R. M. Storm. 1983. Amphibians and reptiles of the Pacific Northwest. Univ. Press of Idaho. 332pp.
- Rathbun, G. B., N. J. Scott, T. G. Murphey. 2002. Terrestrial habitat use by Pacific pond turtles in a Mediterranean climate. *Southwestern Naturalist* 47(2):225–235.
- Solis, D.M., R.J. Gutierrez. 1990. *Summer Habitat Ecology of Northern Spotted Owls in Northwestern California*. The Condor, Volume 92, Issue 3. August 1990. Pgs 739-748.
- Thomas, J.W., E.D. Forsman, J.B. Lint, E.C. Meslow, B.B Noon, Jared Verner. 1990. *A Conservation Strategy for the Spotted Owl*. Portland Oregon. May 1990.

- 
- U.S. Fish and Wildlife Service (USFWS). 2000. *Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed, and Candidate Plants*. January, 2000. Available at <https://www.fws.gov/sites/default/files/documents/botanical-plant-inventory-guidelines.pdf>
- USFWS. 2005. Recovery Plan for Vernal Pool Ecosystems of California and Southern Oregon. Portland, Oregon. xxvi + 606 pages.
- USFWS. 2012. Conservancy Fairy Shrimp (*Branchinecta conservatio*), 5-year Review: Summary and Evaluation. Sacramento Fish and Wildlife Office, Sacramento, California. June 2012.
- USFWS. 2020. Monarch (*Danaus plexippus*) Species Status Assessment Report. V2.1 96 pp + appendices.
- USFWS. 2021. Endangered and Threatened Wildlife and Plants; Initiation of 5-Year Status reviews of 76 species in California and Nevada. Federal Register 86: 27462–27464.
- USFWS. 2023a. Shasta Crayfish (*Pacifastacus fortis*), 5-year Review: Summary and Evaluation. Sacramento Fish and Wildlife Office, Sacramento, California. August 2023.
- USFWS. 2023b. Wetland Inventory Map. Accessed on October 24, 2023. Available at: <https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>
- USFWS. 2024a. Official Species List. Sacramento Fish and Wildlife Office, Endangered Species Program. Available online at: <https://ecos.fws.gov/ipac/>. Last accessed: July 24, 2024.
- USFWS. 2024b. USFWS Critical Habitat Mapper. Available online at: <https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>. Last accessed: July 24, 2024.

**PAGE LEFT INTENTIONALLY BLANK**



## Appendix A



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Sacramento Fish And Wildlife Office  
Federal Building  
2800 Cottage Way, Room W-2605  
Sacramento, CA 95825-1846  
Phone: (916) 414-6600 Fax: (916) 414-6713

In Reply Refer To:

07/24/2024 23:29:27 UTC

Project Code: 2024-0121227

Project Name: Pitt River Tribe Fee-To-Trust Housing/Tribal Council/Chambers/Offices/Meeting Space Project

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of

this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

## **OFFICIAL SPECIES LIST**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

### **Sacramento Fish And Wildlife Office**

Federal Building  
2800 Cottage Way, Room W-2605  
Sacramento, CA 95825-1846  
(916) 414-6600

## PROJECT SUMMARY

Project Code: 2024-0121227  
Project Name: Pitt River Tribe Fee-To-Trust Housing/Tribal Council/Chambers/Offices/  
Meeting Space Project  
Project Type: Residential Construction  
Project Description: fee-to-trust development  
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@40.87401185,-121.67518206697864,14z>



Counties: Shasta County, California

## ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

**BIRDS**

NAME	STATUS
Northern Spotted Owl <i>Strix occidentalis caurina</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1123">https://ecos.fws.gov/ecp/species/1123</a>	Threatened

**REPTILES**

NAME	STATUS
Northwestern Pond Turtle <i>Actinemys marmorata</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1111">https://ecos.fws.gov/ecp/species/1111</a>	Proposed Threatened

**INSECTS**

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

**CRUSTACEANS**

NAME	STATUS
Conservancy Fairy Shrimp <i>Branchinecta conservatio</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/8246">https://ecos.fws.gov/ecp/species/8246</a>	Endangered
Shasta Crayfish <i>Pacifastacus fortis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8284">https://ecos.fws.gov/ecp/species/8284</a>	Endangered

**FLOWERING PLANTS**

NAME	STATUS
Slender Orcutt Grass <i>Orcuttia tenuis</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1063">https://ecos.fws.gov/ecp/species/1063</a>	Threatened

**CRITICAL HABITATS**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## **IPAC USER CONTACT INFORMATION**

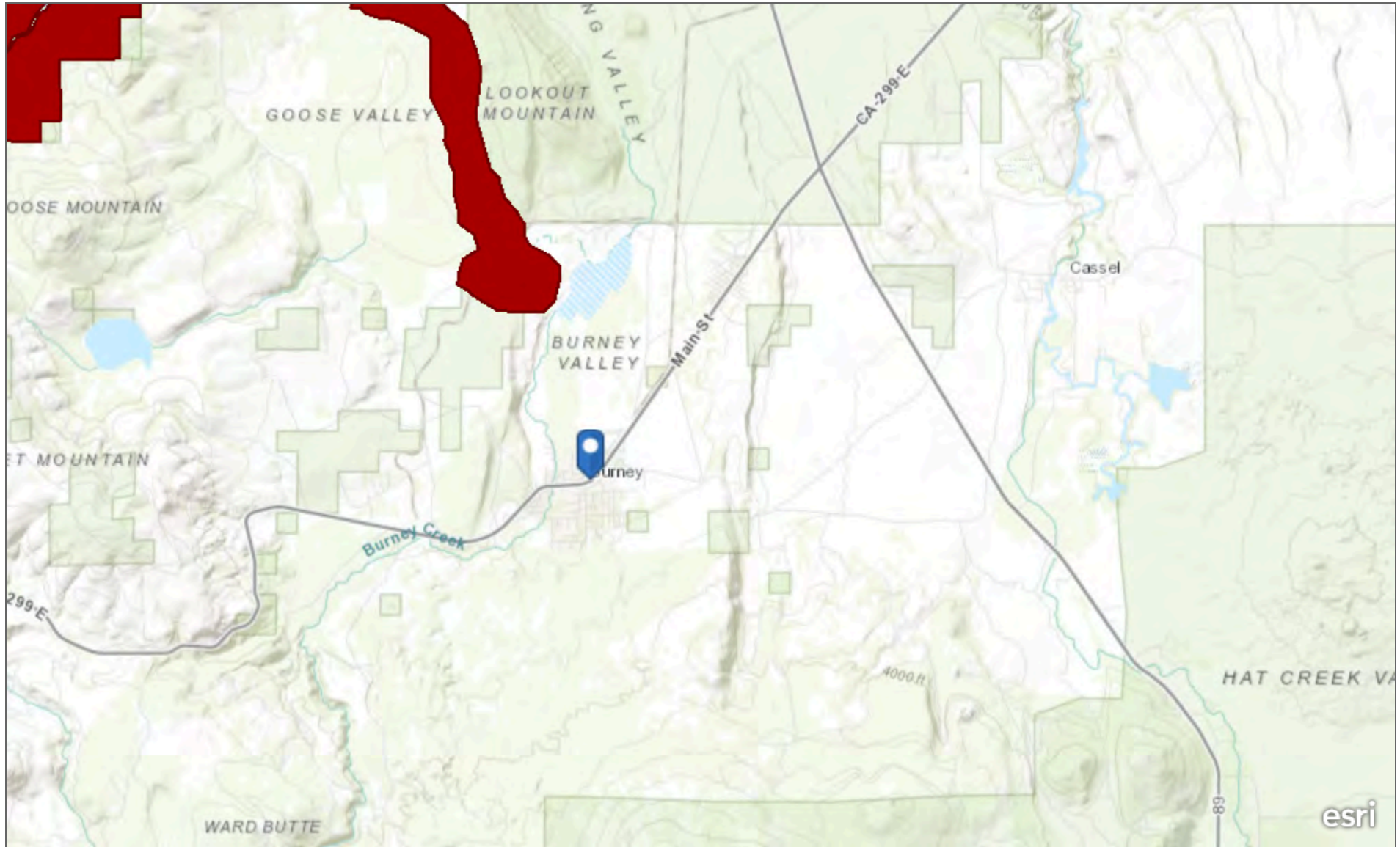
Agency: Pit River Tribe, California  
Name: Cedrick Villasenor  
Address: 1801 7th Street, Suite 100  
City: Sacramento  
State: CA  
Zip: 95811  
Email: cvillasenor@montrose-env.com  
Phone: 9164473479

## **LEAD AGENCY CONTACT INFORMATION**

Lead Agency: Bureau of Indian Affairs

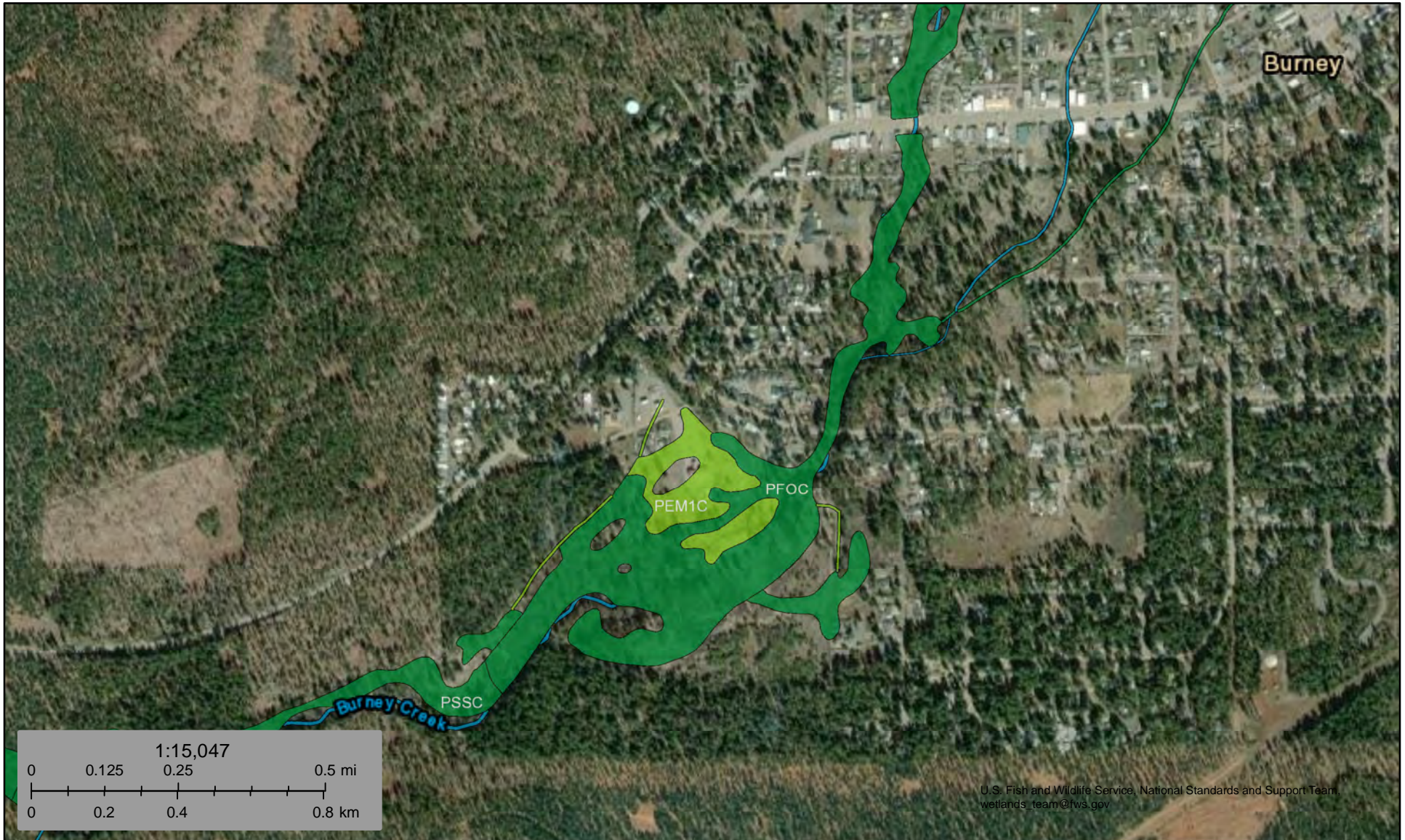


### Critical Habitat for Threatened & Endangered Species [USFWS]



A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.







Bureau of Land Management, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS



U.S. Fish and Wildlife Service, National Standards and Support Team,  
wetlands\_team@fws.gov

October 24, 2023

### Wetlands

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

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



## Search Results

28 matches found. Click on scientific name for details

Search Criteria: Quad is one of [4012186:4012176]

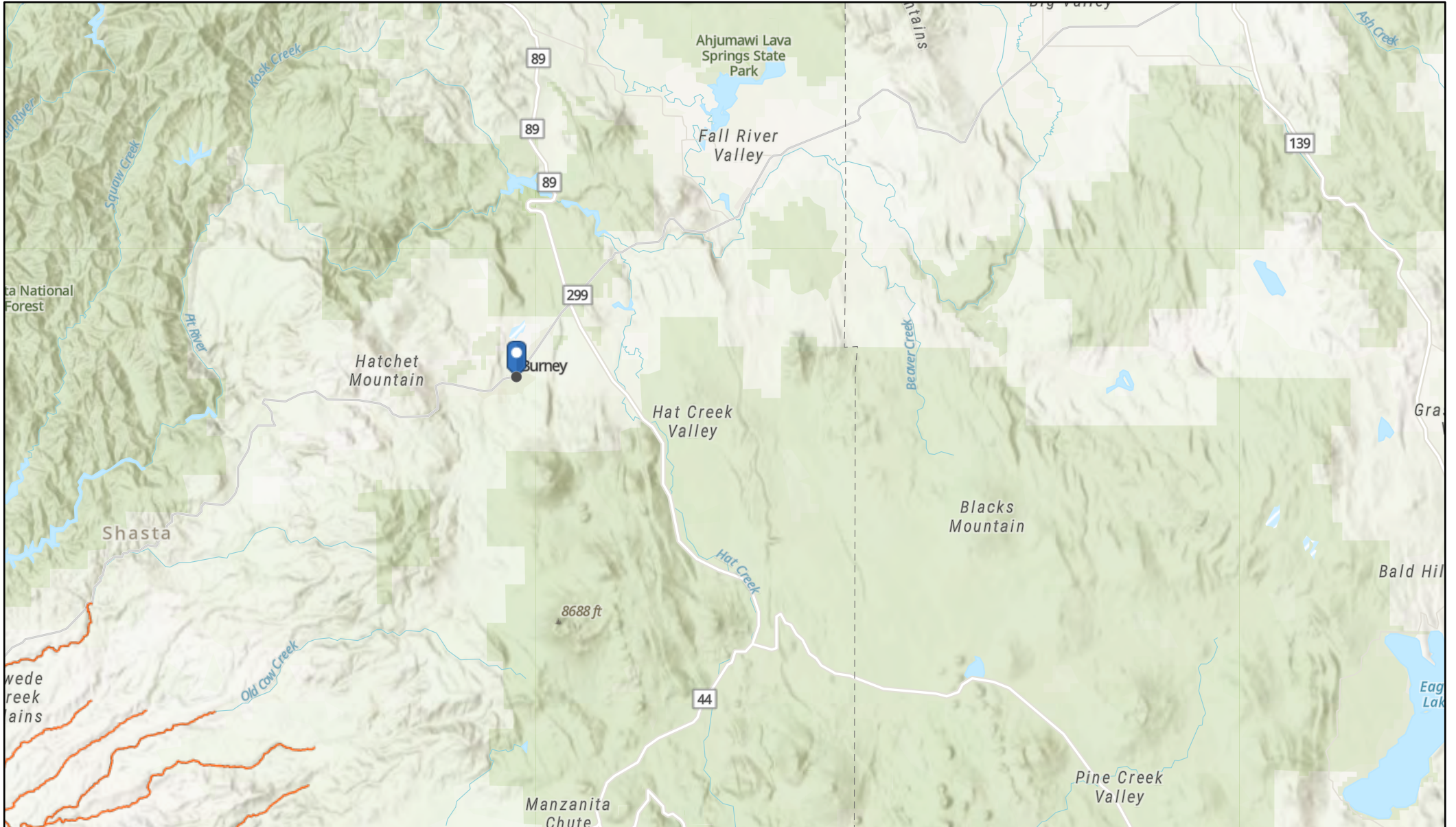
▲ SCIENTIFIC NAME	COMMON NAME	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK
<a href="#"><i>Astragalus inversus</i></a>	Susanville milk-vetch	None	None	G4	S4	4.3
<a href="#"><i>Botrychium crenulatum</i></a>	scalloped moonwort	None	None	G4	S3	2B.2
<a href="#"><i>Botrypus virginianus</i></a>	rattlesnake fern	None	None	G5	S2	2B.2
<a href="#"><i>Calochortus longebarbatus</i> var. <i>longebarbatus</i></a>	long-haired star-tulip	None	None	G4T3	S3	1B.2
<a href="#"><i>Castilleja lassenensis</i></a>	Lassen paintbrush	None	None	G3	S3	1B.3
<a href="#"><i>Crataegus castlegarensis</i></a>	Castlegar hawthorne	None	None	G5	S3?	3
<a href="#"><i>Cuscuta jepsonii</i></a>	Jepson's dodder	None	None	G3	S3	1B.2
<a href="#"><i>Cypripedium montanum</i></a>	mountain lady's-slipper	None	None	G4G5	S4	4.2
<a href="#"><i>Drosera anglica</i></a>	English sundew	None	None	G5	S2	2B.3
<a href="#"><i>Eriastrum tracyi</i></a>	Tracy's eriastrum	None	CR	G3Q	S3	3.2
<a href="#"><i>Eriophorum gracile</i></a>	slender cottongrass	None	None	G5	S4	4.3
<a href="#"><i>Hesperocyparis bakeri</i></a>	Baker cypress	None	None	G3	S3	4.2
<a href="#"><i>Hulsea nana</i></a>	little hulsea	None	None	G4	S3	2B.3
<a href="#"><i>Juncus leiospermus</i> var. <i>leiospermus</i></a>	Red Bluff dwarf rush	None	None	G2T2	S2	1B.1
<a href="#"><i>Leptosiphon rattanii</i></a>	Rattan's leptosiphon	None	None	G4	S4	4.3
<a href="#"><i>Limnanthes floccosa</i> ssp. <i>floccosa</i></a>	woolly meadowfoam	None	None	G4T4	S3	4.2
<a href="#"><i>Lysimachia thyriflora</i></a>	tufted loosestrife	None	None	G5	S1?	2B.3
<a href="#"><i>Meesia uliginosa</i></a>	broad-nerved hump moss	None	None	G5	S3	2B.2
<a href="#"><i>Orcuttia tenuis</i></a>	slender Orcutt grass	FT	CE	G2	S2	1B.1
<a href="#"><i>Penstemon heterodoxus</i> var. <i>shastensis</i></a>	Shasta beardtongue	None	None	G5T3	S3	4.3
<a href="#"><i>Piperia colemanii</i></a>	Coleman's rein orchid	None	None	G4	S4	4.3
<a href="#"><i>Pogogyne floribunda</i></a>	profuse-flowered pogogyne	None	None	G4	S3?	4.2
<a href="#"><i>Polygonum bidwelliae</i></a>	Bidwell's knotweed	None	None	G4	S4	4.3
<a href="#"><i>Sidalcea gigantea</i></a>	giant checkerbloom	None	None	G3	S3	4.3
<a href="#"><i>Silene occidentalis</i> ssp. <i>longistipitata</i></a>	long-stiped campion	None	None	G4T2Q	S2	1B.2
<a href="#"><i>Smilax jamesii</i></a>	English Peak greenbrier	None	None	G3G4	S3S4	4.2
<a href="#"><i>Stachys pilosa</i></a>	hairy marsh hedge-nettle	None	None	G5	S3	2B.3
<a href="#"><i>Stellaria longifolia</i></a>	long-leaved starwort	None	None	G5	S2	2B.2

Showing 1 to 28 of 28 entries

## Suggested Citation:

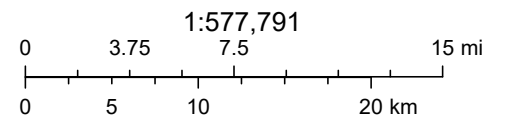
California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 31 July 2024].

# NMFS ESA Critical Habitat Mapper



7/24/2024, 4:01:09 PM

— All\_critical\_habitat\_line\_20220404



Esri, CGIAR, USGS, NOAA National Marine Fisheries Service, California State Parks, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USFWS

## EFH Mapper Report

---

### EFH Data Notice

Essential Fish Habitat (EFH) is defined by textual descriptions contained in the fishery management plans developed by the regional fishery management councils. In most cases mapping data can not fully represent the complexity of the habitats that make up EFH. This report should be used for general interest queries only and should not be interpreted as a definitive evaluation of EFH at this location. A location-specific evaluation of EFH for any official purposes must be performed by a regional expert. Please refer to the following links for the appropriate regional resources.

[West Coast Regional Office](#)

### Query Results

Degrees, Minutes, Seconds: Latitude = 40° 53' 11" N, Longitude = 122° 21' 29" W  
Decimal Degrees: Latitude = 40.886, Longitude = -121.642

The query location intersects with spatial data representing EFH and/or HAPCs for the following species/management units.

### EFH

No additional Essential Fish Habitats (EFH) were identified at the report location.

### Pacific Salmon EFH

No Pacific Salmon Essential Fish Habitat (EFH) were identified at the report location.

### Atlantic Salmon

No Atlantic Salmon were identified at the report location.

### HAPCs

No Habitat Areas of Particular Concern (HAPC) were identified at the report location.

### EFH Areas Protected from Fishing

No EFH Areas Protected from Fishing (EFHA) were identified at the report location.

**Spatial data does not currently exist for all the managed species in this area. The following is a list of species or management units for which there is no spatial data.**

**\*\*For links to all EFH text descriptions see the complete data inventory: [open data inventory -->](#)**

#### **Pacific Coastal Pelagic Species,**

Jack Mackerel,  
Pacific (Chub) Mackerel,  
Pacific Sardine,  
Northern Anchovy - Central Subpopulation,  
Northern Anchovy - Northern Subpopulation,

#### **Pacific Highly Migratory Species,**

Bigeye Thresher Shark - North Pacific,  
Bluefin Tuna - Pacific,  
Dolphinfish (Dorado or Mahimahi) - Pacific,

**Spatial data does not currently exist for all the managed species in this area. The following is a list of species or management units for which there is no spatial data.**

**\*\*For links to all EFH text descriptions see the complete data inventory: [open data inventory -->](#)**

Pelagic Thresher Shark - North Pacific,  
Swordfish - North Pacific



**Selected Elements by Scientific Name**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



**Query Criteria:** Quad<span style='color:Red'> IS </span>(Burney (4012186)<span style='color:Red'> OR </span>Burney Mtn. West (4012176))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Accipiter atricapillus</i> American goshawk	ABNKC12061	None	None	G5	S3	SSC
<i>Acipenser medirostris pop. 1</i> green sturgeon - southern DPS	AFCAA01031	Threatened	None	G2T1	S1	SSC
<i>Ambystoma macrodactylum sigillatum</i> southern long-toed salamander	AAAAA01085	None	None	G5T4	S2	SSC
<i>Ardea herodias</i> great blue heron	ABNGA04010	None	None	G5	S4	
<i>Calochortus longebarbatus var. longebarbatus</i> long-haired star-tulip	PMLIL0D0R1	None	None	G4T3	S3	1B.2
<i>Castilleja lasseensis</i> Lassen paintbrush	PDSCR0D4L0	None	None	G3	S3	1B.3
<i>Cottus asperrimus</i> rough sculpin	AFC4E02030	None	Threatened	G2	S2	FP
<i>Cottus klamathensis macrops</i> bigeye marbled sculpin	AFC4E02151	None	None	G4T2T3	S2S3	SSC
<i>Cuscuta jepsonii</i> Jepson's dodder	PDCUS011T0	None	None	G3	S3	1B.2
<i>Drosera anglica</i> English sundew	PDDRO02010	None	None	G5	S2	2B.3
<i>Entosphenus lethophagus</i> Pit-Klamath brook lamprey	AFBAA02060	None	None	G3G4	S3	SSC
<i>Erethizon dorsatum</i> North American porcupine	AMAFJ01010	None	None	G5	S3	
<i>Eriastrum tracyi</i> Tracy's eriastrum	PDPLM030C0	None	Rare	G3Q	S3	3.2
<i>Gonidea angulata</i> western ridged mussel	IMBIV19010	None	None	G3	S2	
<i>Gulo gulo</i> wolverine	AMAJF03010	Threatened	Threatened	G4	S1	FP
<i>Haliaeetus leucocephalus</i> bald eagle	ABNKC10010	Delisted	Endangered	G5	S3	FP
<i>Hesperoleucus mitrulus</i> northern roach	AFCJB19027	None	None	G2	S2	SSC
<i>Hulsea nana</i> little hulsea	PDAST4Z060	None	None	G4	S3	2B.3
<i>Juga occata</i> scalloped juga	IMGASK4070	None	None	G1	S1	
<i>Juncus leiospermus var. leiospermus</i> Red Bluff dwarf rush	PMJUN011L2	None	None	G2T2	S2	1B.1



**Selected Elements by Scientific Name**  
**California Department of Fish and Wildlife**  
**California Natural Diversity Database**



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<b><i>Lanx patelloides</i></b> kneecap lanx	IMGASL7030	None	None	G2?	S2	
<b><i>Limnanthes floccosa ssp. floccosa</i></b> woolly meadowfoam	PDLIM02043	None	None	G4T4	S3	4.2
<b>Lower Pit River/Canyon River (Hardhead/Tule Perch River)</b> Lower Pit River/Canyon River (Hardhead/Tule Perch River)	CARA2341CA	None	None	GNR	SNR	
<b><i>Lysimachia thyrsiflora</i></b> tufted loosestrife	PDPRI070S0	None	None	G5	S1?	2B.3
<b><i>Meesia uliginosa</i></b> broad-nerved hump moss	NBMUS4L030	None	None	G5	S3	2B.2
<b><i>Mylopharodon conocephalus</i></b> hardhead	AFCJB25010	None	None	G3	S3	SSC
<b>Northern Basalt Flow Vernal Pool</b> Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	G3	S2.2	
<b>Northern Interior Cypress Forest</b> Northern Interior Cypress Forest	CTT83220CA	None	None	G2	S2.2	
<b><i>Orcuttia tenuis</i></b> slender Orcutt grass	PMPOA4G050	Threatened	Endangered	G2	S2	1B.1
<b><i>Pandion haliaetus</i></b> osprey	ABNKC01010	None	None	G5	S4	WL
<b><i>Pekania pennanti</i></b> Fisher	AMAJF01020	None	None	G5	S2S3	SSC
<b><i>Pogogyne floribunda</i></b> profuse-flowered pogogyne	PDLAM1K070	None	None	G4	S3?	4.2
<b><i>Rana cascadae</i></b> Cascades frog	AAABH01060	None	Candidate Endangered	G3	S3	SSC
<b><i>Smilax jamesii</i></b> English Peak greenbrier	PMSMI010D0	None	None	G3G4	S3S4	4.2
<b><i>Stachys pilosa</i></b> hairy marsh hedge-nettle	PDLAM1X1A0	None	None	G5	S3	2B.3
<b><i>Stellaria longifolia</i></b> long-leaved starwort	PDCAR0X0M0	None	None	G5	S2	2B.2
<b><i>Taxidea taxus</i></b> American badger	AMAJF04010	None	None	G5	S3	SSC

**Record Count: 37**



# **APPENDIX CULTURAL**

---

---

CULTURAL RESOURCES STUDY

# CULTURAL RESOURCES STUDY

## CONFIDENTIAL

APPENDIX CULTURAL has been bound separately to protect potentially sensitive information about the location and nature of cultural references.

# **APPENDIX HAZMAT**

---

---

PHASE I ENVIRONMENTAL SITE ASSESSMENT



## PHASE I ENVIRONMENTAL SITE ASSESSMENT

PIT RIVER TRIBE  
BURNEY FEE-TO-TRUST

**OCTOBER 2023**

PREPARED FOR:  
Pit River Tribe  
36970 Park Avenue  
Burney, CA 96013  
(530) 335-5421



PREPARED BY:  
AES-Montrose  
1801 7th Street, Suite 100  
Sacramento, CA 95811  
(916) 447-3479  
[www.montrose-env.com](http://www.montrose-env.com)



---

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

PIT RIVER TRIBE  
BURNEY FEE-TO-TRUST

**OCTOBER 2023**

PREPARED FOR:  
Pit River Tribe  
36970 Park Avenue  
Burney, CA 96013  
(530) 335-5421



PREPARED BY:  
AES-Montrose  
1801 7th Street, Suite 100  
Sacramento, CA 95811  
(916) 447-3479  
[www.montrose-env.com](http://www.montrose-env.com)



# EXECUTIVE SUMMARY

---

## PHASE I ENVIRONMENTAL SITE ASSESSMENT PIT RIVER TRIBE: BURNEY FEE-TO-TRUST

This Phase I Environmental Site Assessment (ESA) assesses potential hazardous materials issues on seven parcels comprising approximately 65.25 acres of land in Shasta County, California (Subject Property). This Phase I ESA has been prepared on behalf of the Pit River Tribe (Tribe) and in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard Practice E 1527-21 and Bureau of Indian Affairs (BIA) Guidelines (602 DM Chapter 2). Any exceptions to or deletions from this practice are described in **Section 1.0**. The Phase I ESA includes database searches, a field survey, and interviews.

### Current Use of Subject Property

The Tribe uses one parcel for a maintenance and storage building. The remaining parcels are mostly vacant.

### Site Features of Concern

The Subject Property contains copious amounts of debris scattered throughout, as well as a stained transformer, paint and other cans, abandoned cars, homeless living areas, a possibly contaminated dirt pile, buckets, appliances, and furniture. The dirt pile may comprise a Recognized Environmental Concern (REC), however if it contains hazardous materials, they likely constitute a *de minimis* condition as defined by ASTM E1527-21 and therefore qualify as an issue that generally does not present a threat to human health or the environment, and would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. The debris can be removed as necessary, however the results obtained by testing the dirt pile for contamination may guide appropriate disposal methods.

### Limiting Conditions and Data Gaps

The Subject Property is unmapped in the Sanborn Library; thus, no records were available for review.

### Activity and Use Limitations

A review of “activity and use limitations” was not within the scope of this ESA but may be obtained through a title search.

### Findings

Based on information gathered during preparation of this ESA, no RECs, Historic RECs, or Controlled RECs were identified in connection with the Subject Property.

### Recommendations

Dumping is more dispersed in the southern portion of the Subject Property, where because of the distance from formal roadways there appears to be less occupation by homeless people. It is also where a considerable number of larger objects has been left, including car frames and appliances. It is recommended that an organized program of cleanup begin removing this debris, using trailers or large

dumpsters. The locations marked on **Figure 5** are approximate; each, particularly in the southern half of the Subject Property, is a central point, and the people removing the debris should be sure to examine the general area while there, as there likely is more within view than just at the GPS location. Because the Subject Property is unfenced and easily accessible from local roadways, there is always the potential for additional dumping, but a thorough cleaning of the areas not inhabited by homeless people should be performed. Areas near a homeless population are most likely going to need a regular schedule of periodic cleanup.

The following actions are recommended for the Subject Property:

- Try and determine the origin of the large soil pile on APN 028-410-018-000; if from scraping the parcel, or if the origin cannot be determined, submit samples to an accredited testing laboratory, and implement additional steps (i.e., soil sampling, remediation) as needed depending on results.
- If the tests come back with unacceptably high levels of hazardous materials, retain a qualified contractor to remove and dispose of at a qualified facility.
- Remove the temporary buildings and railroad car from APN 028-410-018-000 with all the attendant debris.
- Remove all debris, tires, lumber, vehicles, furniture, cans, drums, wire, fencing, glass, plastic, appliances, etc. and dispose of at an appropriate facility.
- Report the rusted transformer to PG&E, as it may contain PCBs.

# TABLE OF CONTENTS

---

## PHASE I ENVIRONMENTAL SITE ASSESSMENT PIT RIVER TRIBE: BURNEY FEE-TO-TRUST

<b>1.0 INTRODUCTION.....</b>	<b>1</b>
1.1 Purpose.....	1
1.2 Scope Of Services .....	1
1.3 Limitations And Exceptions.....	2
1.4 Methodology .....	2
1.5 Deviations And Data Gaps .....	3
<b>2.0 SITE DESCRIPTION AND RECONNAISSANCE.....</b>	<b>4</b>
2.1 Location And Legal Description.....	4
2.2 Site And Vicinity General Characteristics .....	4
2.3 Current Uses Of The Subject Property .....	4
2.4 Current Uses Of Adjoining Properties .....	4
2.5 Historic Uses Of The Subject Property .....	5
2.6 Physical Features.....	5
2.7 Site Reconnaissance Observations.....	10
2.8 Site Photographs .....	13
<b>3.0 INTERVIEWS AND USER-PROVIDED INFORMATION .....</b>	<b>18</b>
3.1 Local Environmental Records Sources.....	18
3.2 Interviews And Questionnaires.....	18
<b>4.0 RECORDS REVIEW .....</b>	<b>20</b>
4.1 Database Search.....	20
4.2 Recorded Hazardous Materials.....	21
<b>5.0 FINDINGS AND CONCLUSIONS .....</b>	<b>23</b>
<b>6.0 REPORT PREPARERS .....</b>	<b>24</b>
<b>7.0 REFERENCES .....</b>	<b>25</b>

### FIGURES

---

Figure 1. Regional Location .....	7
Figure 2. Site and Vicinity.....	8
Figure 3. Aerial Photograph .....	9
Figure 4. Site Photographs .....	<b>Error! Bookmark not defined.</b>
Figure 5. Survey Finds .....	17

### TABLES

---

Table 1. Summary of Assessor’s Parcel Numbers (APN).....	4
Table 2. Summary of Site Observations .....	12
Table 3. EDR Summary of Agency Databases.....	20



## **APPENDICES**

---

- Appendix A. Historical Aerial Photographs
- Appendix B. Historical Topographic Maps
- Appendix C. Sanborn No Coverage Document
- Appendix D. City Directory Image Report
- Appendix E. Environmental Data Resources (EDR) Report
- Appendix F. Federal Emergency Management Agency (FEMA) Map
- Appendix G. Wetlands Map
- Appendix H. Questionnaires
- Appendix I. Resumes

# SECTION 1.0

---

## INTRODUCTION

### 1.1 PURPOSE

The Pit River Indian Tribe (Tribe) owns 65.25 acres of land on seven individual parcels (Subject Property) located adjacent to the Pit River Casino in Burney, Shasta County, California. The Tribe anticipates that the site may be used for residential housing as a continuation of the Montgomery Creek Rancheria Housing Project.

The term REC refers to the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with relevant laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public 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. Additionally, the term Historical Recognized Environmental Conditions (HREC) refers to environmental conditions associated with the Subject Property, including a past release of any hazardous substance or petroleum product that has since been remediated, which would have been considered a REC in the past. This ESA also includes the analysis of the presence of Controlled Recognized Environmental Conditions (CREC) for hazardous substance releases that have been partially addressed through remediation, but where some contamination remains in place under certain risk-based restrictions or conditions. An analysis of HRECs and CRECs is included in this ESA (ASTM, 2021). In addition, a “Tier 1 (non-intrusive) Vapor Encroachment Screening (VES)” was completed in accordance with the methodology set forth in ASTM E2600-15 “Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions”. The purpose of the Tier 1 VES is to conduct an initial screen to identify, to the extent feasible, a potential vapor encroachment concern (VEC) in connection with the Property with respect to chemicals of concern that may migrate as vapors into existing or planned structures on the Property due to contaminated soil and or groundwater on the Property or within close proximity to the Property.

### 1.2 SCOPE OF SERVICES

This Phase I ESA was completed in conformance with the Bureau of Indian Affairs (BIA) Guidelines (602 DM Chapter 2) and the American Society for Testing and Materials (ASTM) Standard Practice E 1527-21. The Phase I ESA includes the Subject Property and surrounding known sources of contamination up to a 1.0-mile radius from the Subject Property. The scope of work performed includes:

1. Review of relevant database listings of hazardous material sites, waste generators, and underground storage tanks (UST),
2. Review of historical topographic maps and aerial photographs of the Subject Property,
3. Interviews with owners, operators, occupants, and/or local government officials.
4. Site reconnaissance of the Subject Property.

Physical testing of soil or groundwater is not within the scope of this Phase I ESA. Neither testing for

asbestos-containing building materials nor lead-based paint surveys are included as part of this assessment. Per- and Polyfluoroalkyl Substances (PFAS) are not considered as part of this assessment.

### 1.3 LIMITATIONS AND EXCEPTIONS

No Phase I ESA can completely eliminate uncertainty regarding the potential for RECs in connection with a property. Conformance of this assessment to ASTM Standard Practice E 1527-21 will reduce, but not eliminate uncertainty regarding the potential for RECs in connection with the Subject Property.

While every effort has been made to discover and interpret available historical and current information on the Subject Property within the time available, the possibility of undiscovered contamination remains. This report is a best effort collection and interpretation of available information consistent with industry standards for the completion of Phase I ESAs.

### 1.4 METHODOLOGY

The following data sources were included in this Phase I ESA:

- Previous land uses and the history of the area, which were researched in an effort to identify RECs, HRECs, and CRECs at or near the Subject Property
- Historical aerial photographs (**Appendix A**) and historic topographic maps (**Appendix B**) from different decades, which were examined for the presence of aboveground storage tanks (AST), industrial buildings, gas station canopies and/or pump islands, as well as other indications of bulk hazardous material storage
- Sanborn Fire Insurance Maps, which document historical property use through abbreviations and map symbols that identify commercial, residential, industrial, and other land uses; because of the rural location, the Subject Property is not included on Sanborn maps (**Appendix C**)
- The City Directory Image Report, which may also indicate previous land uses of the Subject Property (**Appendix D**)

#### Database Searches

A database search was conducted utilizing the online search company that provides a Radius Map Report of the results of an Environmental Database Report (EDR) as well as California state databases maintained by the Department of Water Resources (DWR) and Department of Toxic Substances Control (DTSC). The Radius Map Report (**Appendix E**) provides graphical and tabulated results of the EDR search that includes records of known storage tank sites and known sites of hazardous materials generation, storage, and/or release compiled by federal, state, and local agencies. These compiled records consist of: (a) known or potentially hazardous waste sites and landfills; (b) sites currently under investigation for environmental violations; (c) sites that manufacture, generate, use, store, and/or dispose of hazardous materials or hazardous wastes; (d) sites that have USTs and/or ASTs; and (e) sites with recorded violations of regulations concerning USTs and hazardous materials/hazardous wastes. The database search is intended to identify facilities that may have the potential to impact surface and subsurface conditions on the Subject Property.

#### Site Reconnaissance

A site reconnaissance inspection was conducted on July 27-28, 2022, to visually examine the Subject Property for obvious physical indications of improper hazardous substance or petroleum product disposal, such as stained soil or asphalt, stressed vegetation, sumps, partially buried drums, bulk USTs and ASTs for

fuel, and other obvious signs of hazardous materials involvement.

### **Questionnaires**

A user/owner questionnaire was completed by Russell Eleck, Lands Coordinator for the Pit River Tribe on October 3, 2023, and Shasta County responded to an inquiry on July 14, 2022.

## **1.5 DEVIATIONS AND DATA GAPS**

ASTM Standard E 1527-21 requires any significant data gaps, deviations, and deletions from the ASTM Standard to be identified and addressed in the Phase I ESA. A significant data gap would be one that affected the ability to identify a REC on the Subject Property or adjacent properties.

Due to the location of the Subject Property, Sanborn Fire Insurance Maps were not available (**Appendix C**). However, historical aerial photographs (**Appendix A**) and historic topographic maps (**Appendix B**) were available for review of past uses of the Subject Property. Therefore, the lack of Sanborn Fire Insurance Maps is not considered a significant data gap for this Phase I ESA.

The Shasta County Department of Environmental Health responded to an email inquiry on July 14, 2022 reporting that they had no information regarding hazardous materials incidents on the Project Site. No adjacent property owner could be reached, however, the EDR report, field survey, and Mr. Eleck's information are sufficient to inform this Phase I ESA and the lack of an adjacent property owner questionnaire is not considered a significant data gap for this Phase I ESA.

# SECTION 2.0

## SITE DESCRIPTION AND RECONNAISSANCE

### 2.1 LOCATION AND LEGAL DESCRIPTION

The Subject Property includes seven individual parcels of land contiguous to existing trust properties in Burney, California. The Subject Property is located approximately 50 miles northeast of Redding, California (**Figures 1 and 2**); the Subject Property parcels (**Table 1**) are located south of/below Highway 299 and are bisected by Tamarack Avenue (**Figure 3**). Most lie west of the Pit River Casino though one lies to the north and one to the east within Sections 19 and 20, Township 35 North, Range 3 East as depicted on the Burney, CA and Burney Mountain West, CA USGS 7.5-minute topographic quadrangles.

**TABLE 1: SUMMARY OF ASSESSOR'S PARCEL NUMBERS (APN)**

APN	Acreage	Name
028-170-015-000	1.1	Housing Property
028-410-014-000	6.09	
028-410-015-000	11.44	
028-410-016-000	37.46	Gensaw Property
028-410-018-000	4.0	Impact Resources
028-410-025-000	0.22	Casino Sign
028-450-033-000	4.94	
<b>Total</b>	<b>65.25</b>	

### 2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The Subject Property is located west of the town of Burney and south of State Route 299; the seven parcels of land lie east and west of the Pit River Casino. The Subject Property includes a gently rolling ground surface within the Burney Valley and is located at approximately 3,165 feet above mean sea level (**Figure 3**). Surrounding land uses include of timber harvesting, rural residential, small commercial/industrial, the Pit River Casino, and vacant land.

### 2.3 CURRENT USES OF THE SUBJECT PROPERTY

The area has been historically used for agriculture, residential, or as vacant land.

### 2.4 CURRENT USES OF ADJOINING PROPERTIES

The current adjoining property uses include:

**North:** Undeveloped rural, rural residential

**South:** Undeveloped rural, rural residential

**East:** The Pit River Casino is east of most of the Subject Property parcels, rural residential

**West:** Pit River Casino, undeveloped rural, rural residential

## 2.5 HISTORIC USES OF THE SUBJECT PROPERTY

### Aerial Photographs

Aerial photographs (**Appendix A**) were reviewed for information regarding historic and current uses within and in the vicinity of the Subject Property.

The following aerial photographs were available for review at a scale of 1" = 500': 1939, 1952, 1973, 1975, 1981, 1993, 1998, 2005, 2009, 2012, and 2016. Aerial photographs were of varying clarity. From the first available aerial in 1937, the Subject Property and surrounding land uses appear to be undeveloped, wooded open space with Highway 299 visible to the northwest, what would become Tamarack Road cutting through the Subject Property, and Burney Creek can be seen crossing the Subject Property. In 1973, development is visible east of APN 028-410-018-000, at the location of what is now the Grace Community Bible Church and a vineyard is visible immediately south of APN 028-450-033-000. In 1981, there is an additional building northeast of the church, a residence has been added to the vineyard, and Tamarack Road has been paved. There is what appears to be a field road crossing the bulk of the Subject Property parallel to, and north of, Burney Creek and a north-south trending road on the western edge of APN 028-450-033-000. There is a metal industrial building located on APN 028-410-018-000 in 1998, and the Pit River Casino appears adjacent to the Subject Property. There are no other significant changes over time.

### Historic Topographic maps

United States Geological Survey (USGS) topographic maps (**Appendix B**) were reviewed for information regarding historic and current uses within and in the vicinity of the Subject Property. The 1935 and 1939 Burney 30' maps, 1957 Burney 15' map, 1990, 1995, 2012, 2015, and 2018 7.5' Burney, and Burney Mountain West maps were available for review.

From the first available topographic map in 1935, the Subject Property and surrounding land uses appear to be undeveloped open space, however Highway 299 is visible, Tamarack Road is present as a dirt track with housing immediately east of the Subject Property, and the town of Burney is well-established. There are no apparent changes on the 1939 map, but clear signs of the town's expansion, a lumber mill west of the Subject Property, and a railroad grade south of the Subject Property are visible in 1957. Starting in 1990, dirt roads are visible in the southern portion of the Subject Property, as well as a possible residence in APN 028-410-018-000. No other significant changes appear on the remaining topographic maps.

### Sanborn Fire Insurance Maps

The Subject Property is unmapped by Sanborn Fire Insurance Maps (**Appendix C**).

### The City Directory Image Report

The City Directory may also indicate previous land uses of the cross street of the Subject Property (**Appendix D**). Images are unavailable prior to 1992. The only listings are adjacent to the Subject Property, and include the Impact Resources Shop in 2005.

## 2.6 PHYSICAL FEATURES

### Hydrology and Geology

The Proposed Project area lies within the Cascade Range geomorphic province, which is a chain of volcanic cones extending from Washington, through Oregon, and into California. The Cascade Range is dominated

by Mt. Shasta and terminates at Lassen Peak, and is transected by deep canyons of the Pit River. Drainage on the Subject Property trends to the east-northeast.

The Subject Property is located near the southern end of the Burney Valley. The rock stratigraphic unit of the Subject Property is of the Cenozoic era, Quaternary system, and Quaternary volcanic rocks series (**Appendix E**). The dominant soils within the Subject Property are Jimmerson loam, Matquaw gravelly sandy loam, and Arkright gravelly loam. These range from well drained to poorly drained soils with moderate to slow infiltration rates (EDR, 2022). At least a dozen faults occur within the vicinity of the Subject Property (CGS, 2015). The closest fault is located approximately 0.5 miles from the northern boundary of the Subject Property. This fault is classified as quaternary and active within the last 1.6 million years (CGS, 2015), which indicates that it is potentially active.

### **Floodplain Map**

The Federal Emergency Management Agency (FEMA) designates flood risk areas based on a parcel's location with respect to 100-year and 500-year floodplains. A 100-year flood is the flood elevation that has a 1 percent chance of being equaled or exceeded each year and a 500-year flood is the flood elevation that has a 0.2 percent chance of being equaled or exceeded each year. FEMA prepares Flood Insurance Rate Maps (FIRM) that show the flood risk designations of lands throughout the United States.

Part of the Subject Property is located in Flood Zone AE, which is identified by FEMA as an area subject to inundation by a 1-percent-annual-chance-flood event, other portions of the Subject Property are Zone X, with a 0.2% annual chance flood event. The western edge of APN 028-450-033-000 is part of a Regulatory Floodway; the remainder of APN 028-450-033-000 has elements of Zone AE and Zone X. There is also a strip of Zone AE-mapped land along Burney Creek where it crosses the Subject Property.

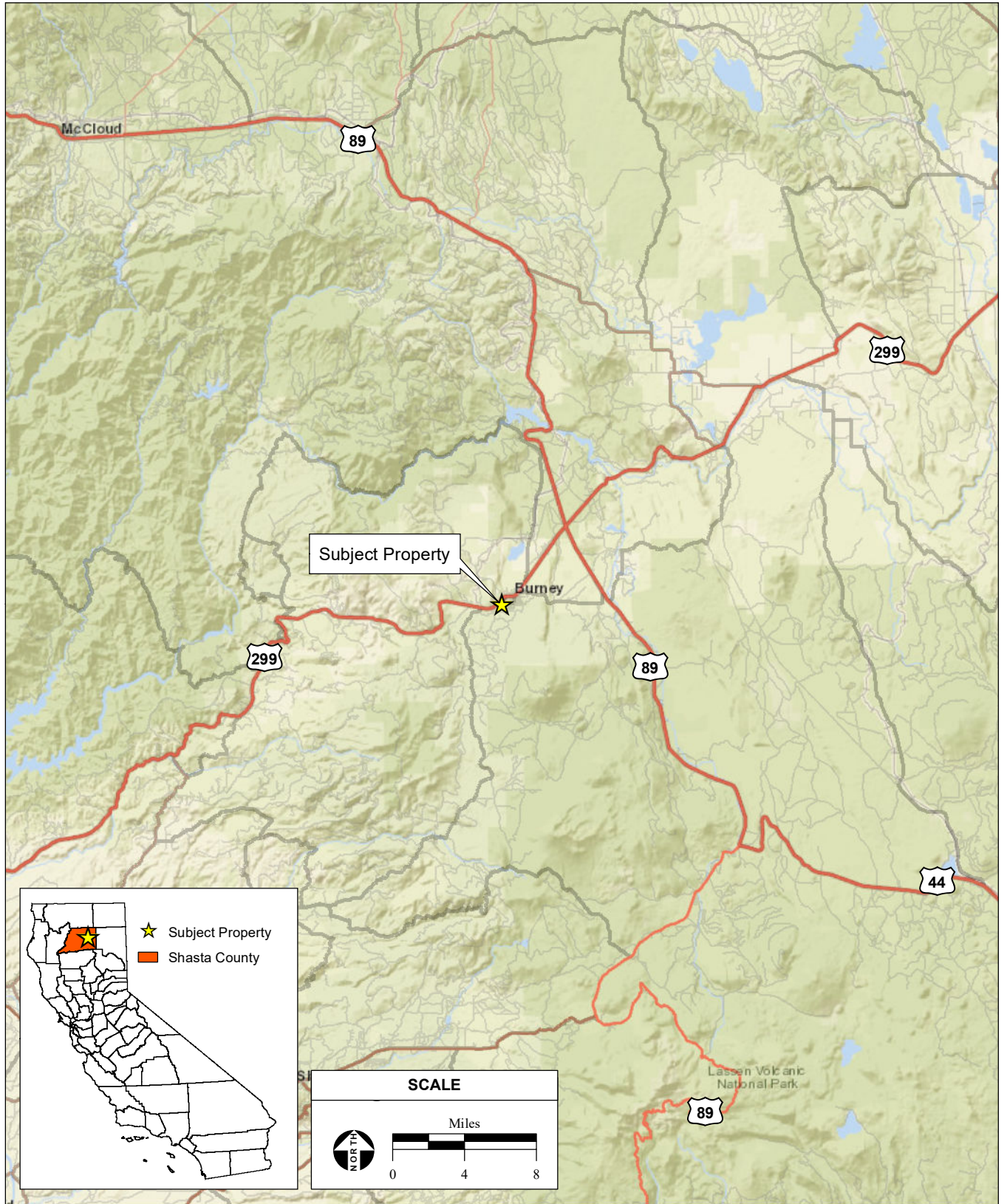
A "Regulatory Floodway" means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than a designated height. Communities must regulate development in these floodways to ensure that there are no increases in flood elevations. For streams and other watercourses where FEMA has provided Base Flood Elevations (BFEs), but no floodway has been designated, the community must review floodplain development on a case-by-case basis to ensure that increases in water surface elevations beyond a certain amount do not occur, or identify the need to adopt a floodway if adequate information is available. A copy of the regional floodplain map is included in **Appendix F**.

### **National Wetlands Inventory Mapper**

The southern portion of the Subject Property, north of Burney Creek, is mapped as a combination of Freshwater Emergent Wetland and Freshwater Forested/Shrub Wetland (USFWS, 2022, **Appendix G**).

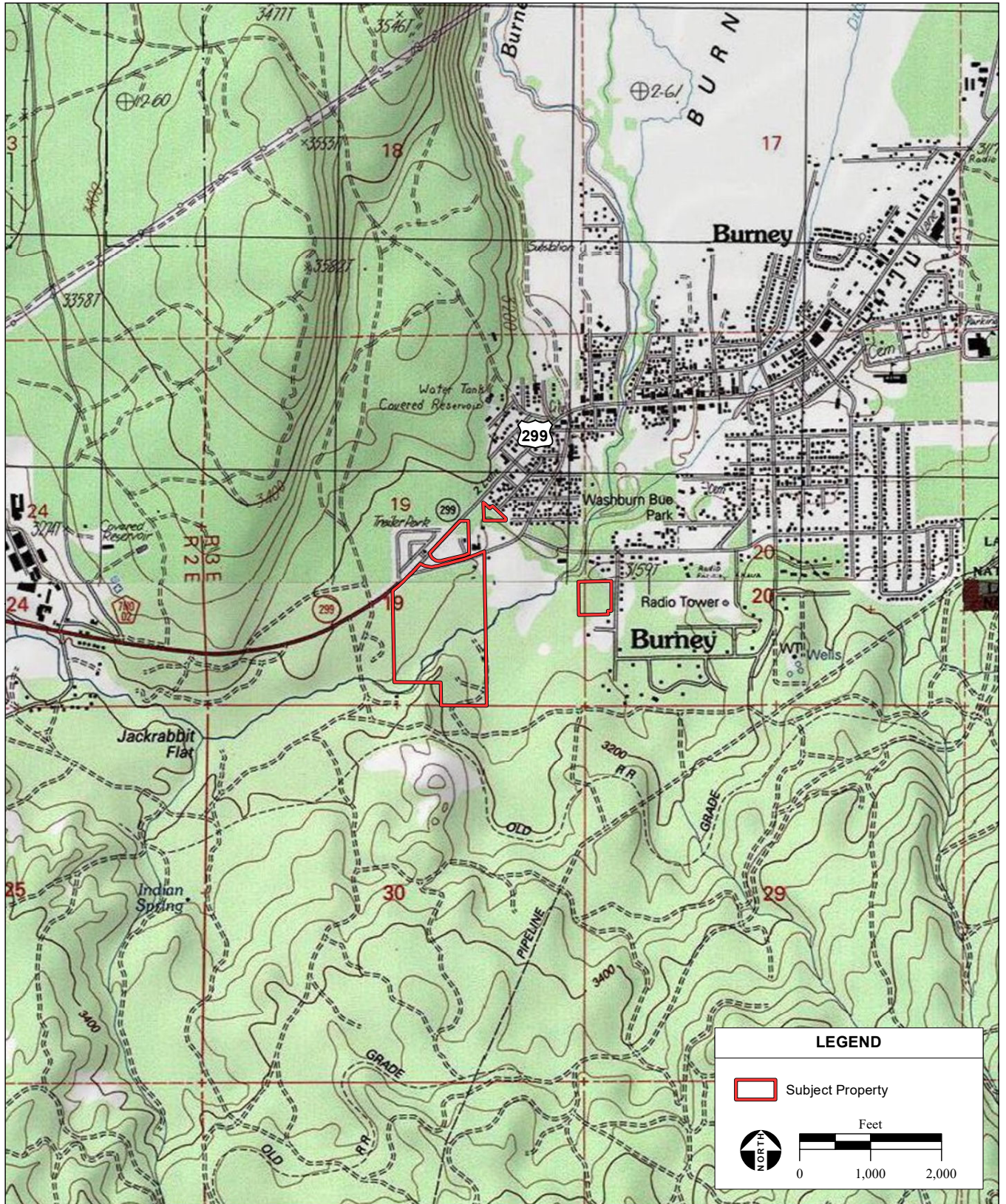
### **Roadways**

Access to the Subject Property is limited due to the rural nature of the area. Regional access to the Subject Property is provided by State Route 299, which borders the northern edge of the Subject Property. Internally, Tamarack Avenue borders other Subject Property parcels. Bartel Street borders APN 028-450-033-000, the only parcel not located immediately adjacent to any of the other Subject Property parcels.



**Figure 1**  
Regional Location

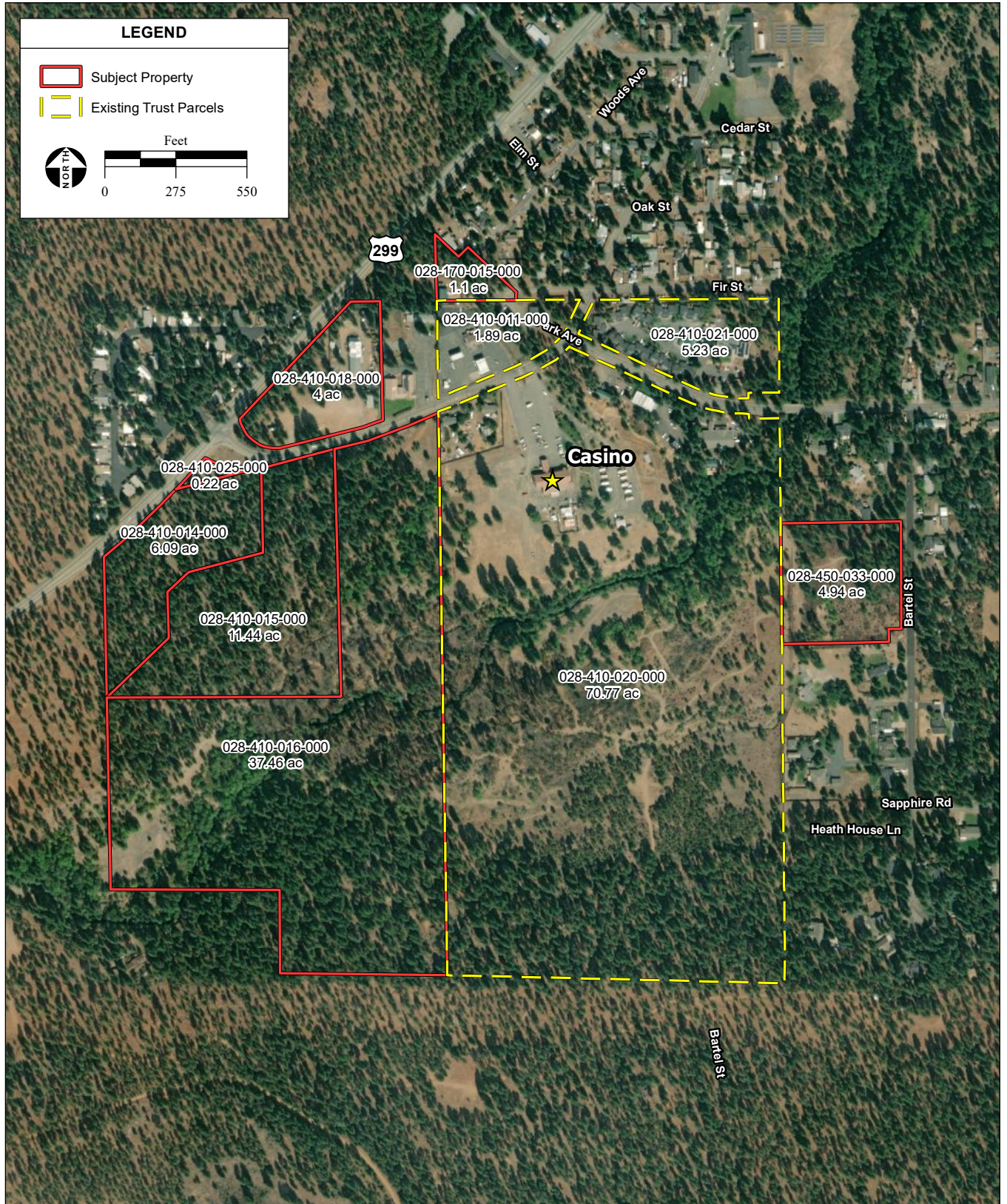




SOURCE: "Burney, CA" & "Burney Mountain West, CA" USGS 7.5 Minute Topographic Quadrangles, T35N R3E, Sections 19 & 20, Mt. Diablo Baseline & Meridian; ESRI, 2022; AES-Montrose, 7/13/2022

Pit River Burney FTT Phase I ESA / 222518 ■

**Figure 2**  
Site and Vicinity



SOURCE: Shasta County Parcels, 2021; Maxar aerial photograph, 9/7/2021; ESRI, 2022; AES-Montrose, 7/14/2022

Pit River Burney FTT Phase I ESA / 222518 ■

**Figure 3**  
Aerial Photograph

## 2.7 SITE RECONNAISSANCE OBSERVATIONS

The objective of the site reconnaissance was to identify current or historic hazardous materials involvement or signature environmental conditions on the Subject Property to substantiate or build upon research demonstrating past uses of the Subject Property. Hazardous materials involvement or signature environmental conditions include the presence or likely presence of any hazardous materials or petroleum products that indicate an existing release, past release, or a threat of release into structures, soil, or groundwater on the Subject Property. Signs of hazardous materials could include ASTs or USTs; on-site wastewater treatment systems; monitoring wells; stained soils and/or unusual odors; indications of any excavation or removal of soils; patched asphalt; large debris piles; or other obvious signs of hazardous materials involvement.

The site reconnaissance was performed by Charlane Gross on July 27-28, 2022. Survey methods included walking transects across the Subject Property parcels, canvassing the perimeter, taking photographs, and documenting items observed via GPS. Site photographs and survey finds are included in **Figures 4** and **5**, respectively. In addition, AES consulted with Gregory Feather Wolfin, Tribal Environmental Director and Tribal Monitor Bill George. The reconnaissance clearly showed a long-standing pattern of dumping on various areas within the Subject Property. Finds included vehicles and vehicle parts, appliances, lumber, a large propane tank, numerous tires, furniture, a port-a-john, paint cans, food containers from the 1950s through the present day, plastic, clothing, metal, garbage, trailer skids, a cattle guard, etc. Individual areas called out on **Figure 5** generally represent a wide-spread scatter of debris, with a single point taken near the center.

### **028-170-015-000**

This is the location of the maintenance building for the Pit River Casino and other Tribal properties. There is a cut and fill driveway entering the property from Fir Street, then a fairly open landscape where vehicles, machinery, and tools are stored. There are two small shipping containers to the side which could not be accessed. Outside, there were fencing materials, tires, 5-gallon buckets being used to contain parts, pallets, piping, and a 55-gallon fuel drum. Inside, there were tools and equipment, paint, oil, cleaning products, 2-gallon gas cans, 5-gallon containers of oil, hydraulic fluid and paint thinner, pump sprayers, and vehicle batteries, all properly stored.

### **028-410-014-000**

This parcel parallels State Route 299, where an ongoing program of tree thinning has left fresh stumps and burn piles. Piles of garbage as well as casual littering were observed.

### **028-410-015-000**

There is a modern trash scatter focused in the northern-most part of the parcel, continuing from the parcel to the west. There is also a more wide-spread scatter of debris piles throughout the southern half of the parcel as indicated on Figure 5. In general, debris was predominantly located along dirt roads, or paths crossing the parcel where vehicle access was available. Finds included recent garbage, abandoned cars and car parts, lumber and appliances. An irrigation ditch crosses the southeastern corner of the parcel.

### **028-410-016-000**

This parcel includes wooded grasslands crossed by a number of dirt roads, as well as the irrigation ditch and Burney Creek. There is a wide range of dumped debris and garbage. Relatively modern garbage exists in an almost continuous scatter at the northern end of APN 028-410-016-000, along the edge of State

Route 299 and where there were former residences, though most of the debris is recent. A group of power poles are located in the northeastern corner where a residence formerly stood. One transformer there, on Tamarack Avenue, is rusted on the outside. There are also two concrete foundations near the northwestern corner of the parcel, both of which are approximately 30 years old, representing small residential structures that were abandoned when the Tribe purchased the property. A nearby 55-gallon drum was empty and may have been used for burning. There is also a 1950s to 1960s can dump that included a collection of cans, bedsprings, glass fragments, and a discarded washing machine and dryer. Other finds scattered around the parcel include furniture, additional appliances, fencing, tires, lumber, a large propane tank, recent garbage, a motor, and a port-a-john tipped on its side.

#### **028-410-018-000**

This is a former Forest Service property which has been scraped mostly to bare earth; there is a large pile (approximately 15 feet in diameter and 6 feet high) of scraped-up soil near the center. Gregory Feather Wolfen, Tribal Environmental Director, told AES that the parcel had been used by the Forest Service and that vehicles had been maintained there, with resulting fuel and hydraulic fluid spills. He was unsure about any cleanup of the spills, but thought that they may have been scraped up and left or buried. The sizeable dirt pile on this parcel therefore has the potential to contain hazardous materials. This dirt pile may represent a REC. Other finds include tires, culvert pipes, plastic, muffler pipes, an empty 5-gallon motor oil bucket, and a cattle guard.

There are also temporary buildings and a railroad car being used by the homeless. These structures contain mattresses, food containers, insulation, lumber, clothing, and garbage in and around the structures.

#### **028-410-025-000**

This is a small, grassy parcel at the intersection of State Route 299 and Tamarack Avenue. The Pit River Casino sign and a pad-mounted transformer are the only things on the parcel.

#### **028-450-033-000**

This parcel was alternately covered in thick trees and brush or high grasses, except in those areas closest to Bartel Street on the eastern edge of the parcel, along a dirt road which tracked east to west through the approximate center of the site, and along the northern edge of the parcel. There is a small fill pile located in the northwest corner. It is overgrown and measured approximately 5 feet wide by 2 feet tall. There were no indications of its origin, and no apparent evidence of associated contamination. There was also a stack of trailer skids in the southwest corner, a modern debris scatter, and a small pile of concrete dumped near the western edge.

There are water lines and transmission lines along Tamarack Avenue and Bartel Street. No evidence of septic systems or wells were noted, but it seems likely that they once did exist in proximity to the former residence locations, but these may have been capped or removed.

### **Buildings/Structures**

Two temporary buildings on wooden supports are located on APN 028-410-018-000. They are in disrepair and contain debris from use by homeless people.

### **Undocumented fill**

There is the large pile of scraped-up soil on APN 028-410-018-000 and the smaller fill pile located on APN

028-450-033-000.

### Agricultural uses

No clear agricultural use has been documented on the Subject Property. Site observations are summarized in **Table 2**.

**TABLE 2: SUMMARY OF SITE OBSERVATIONS**

Site Setting	Observations
Current Uses of Property	Undeveloped rural.
Past Uses of Property	There were residences lining State Route 299 and in the southwestern portion of the Subject Property, the rest is undeveloped rural.
Current Uses of Adjoining Property	North: Undeveloped rural, rural residential
	South: Undeveloped rural, rural residential
	East: The Pit River Casino is east of most of the Subject Property parcels, rural residential
	West: Pit River Casino, undeveloped rural, rural residential
Current or Past Uses in the Surrounding Area	The area has been historically used for agriculture, residential, or vacant.
Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions	The Subject Property is a relatively level landscape; surface water flows to the east-northeast. Underlying geology is volcanic.
General Description of Structures	Two temporary buildings and a collapsing wooden rail car are the only structures.
Undocumented Fill	A large pile on APN 028-410-018-000 may be from scraping the former Forest Service parcel, and could contain contaminants. A smaller pile on APN 028-450-033-000 has no clear origin or contamination.
Roads	Regional access to the property is provided by State Route 299, local access by Tamarack Avenue and Bartel Street.
Potable Water Supply	No wells were observed. Fire hydrants were observed on Tamarack Ave. and Bartel St.
Sewage Disposal System	No septic systems were observed.
Waste Removal Services	Burney Disposal provides waste removal for the developed Subject Property parcels.
Possible Hazardous Substances and Petroleum Products in Connection with Identified Uses	A 55-gallon fuel drum was observed at the maintenance yard; petroleum products were stored in and around the maintenance building on APN 028-170-015-000.
Storage Tanks and Associated Piping	No storage tanks were observed.
Odors	No odors were identified.
Pools of Liquid	No pools of liquid were observed.
Drums (5 gal to 55 gal containers should be described)	An empty 55-gallon drum in APN 028-410-016-000, an empty 5-gallon bucket of engine oil in APN 028-410-018-000, a 5-gallon bucket of dried paint on APN 028-170-015-000, and an empty 5-gallon metal can in the Burney Creek channel in APN 028-410-016-000 were observed.
Potential Hazardous Substances and Petroleum Products Containers	Petroleum products were observed in and around the maintenance yard, paint cans were observed as part of the debris piles throughout the Subject Property.
Unidentified Substance Containers	Numerous unidentified metal containers were observed throughout the Subject Property.
Polychlorinated Biphenyls (PCB)	There was a pad-mounted transformer on in APN 028-410-025-000, pole-mounted transformers in good condition along Bartel Street and Tamarack Avenue, and a

Site Setting	Observations
	rusted pole-mounted transformer in the northwest corner of APN 028-410-016-000.
Pits, Ponds, or Lagoons	No pits, ponds or lagoons were observed.
Stained Soil or Pavement	No stained soils were observed.
Stressed Vegetation	No stressed vegetation was observed.
Solid Waste	Debris observed on the Subject Property included metal, wood, tires, furniture, concrete, wiring, clothing, plastic, abandoned vehicles and associated parts, discarded appliances, paint cans, a propane tank, a couch, a port-a-john, and a large amount of recent garbage.
Waste Water	No wastewater discharge or standing pools were observed.
Wells	No wells were observed on the Subject Property.
Septic System	There were likely septic systems associated with various residences on the Subject Property but none were observed.

## 2.8 SITE PHOTOGRAPHS

**Figure 4** provides photographs that show the site conditions of the Subject Property at the time of the site visit.

- APN 028-170-015-000 Maintenance Building with Equipment (**Figure 4a**, Photo 1)
- APN 028-170-015-000 Fuel Drum (**Figure 4a**, Photo 2)
- APN 028-170-015-000 Maintenance Building Interior (**Figure 4a**, Photo 3)
- APN 028-170-015-000 Maintenance Building Interior (**Figure 4a**, Photo 4)
- APN 028-410-018-000 Temporary Buildings (**Figure 4a**, Photo 5)
- APN 028-410-018-000 Temporary Building Interior (**Figure 4a**, Photo 6)
- APN 028-410-018-000 Tires and Dirt Pile (**Figure 4b**, Photo 7)
- APN 028-410-018-000 Inside Railroad Car (**Figure 4b**, Photo 8)
- APN 028-410-016-000 Representative Debris Pile (**Figure 4b**, Photo 9)
- APN 028-410-016-000 Representative Debris Pile (**Figure 4b**, Photo 10)
- APN 028-410-016-000 Motor (**Figure 4b**, Photo 11)
- APN 028-410-016-000 Propane Tank (**Figure 4b**, Photo 12)
- APN 028-410-016-000 Can Scatter with Washing Machine (**Figure 4c**, Photo 13)
- APN 028-410-015-000 Irrigation Ditch (**Figure 4c**, Photo 14)
- APN 028-450-033-000 Concrete Pile (**Figure 4c**, Photo 15)
- APN 028-450-033-000 Trailer Skids (**Figure 4c**, Photo 16)

**Figure 5** shows locations of site observations on the Subject Property.



**PHOTO 1:** APN 028-170-015-000 Maintenance Building with Equipment



**PHOTO 2:** APN 028-170-015-000 Fuel Drum



**PHOTO 3:** APN 028-170-015-000 Maintenance Building Interior



**PHOTO 4:** APN 028-170-015-000 Maintenance Building Interior



**PHOTO 5:** APN 028-410-018-000 Temporary Buildings



**PHOTO 6:** APN 028-410-018-000 Temporary Building Interior



**PHOTO 7:** APN 028-410-018-000Tires and Dirt Pile



**PHOTO 8:** APN 028-410-018-000 Inside Railroad Car



**PHOTO 9:** APN 028-170-016-000 Representative Debris Pile



**PHOTO 10:** APN 028-170-016-000 Representative Debris Pile



**PHOTO 11:** APN 028-170-016-000 Motor



**PHOTO 12:** APN 028-170-016-000 Propane Tank





**PHOTO 13:** APN 028-170-016-000 Can Scatter with Washing Machine



**PHOTO 15:** APN 028-450-033-000 Concrete Pile



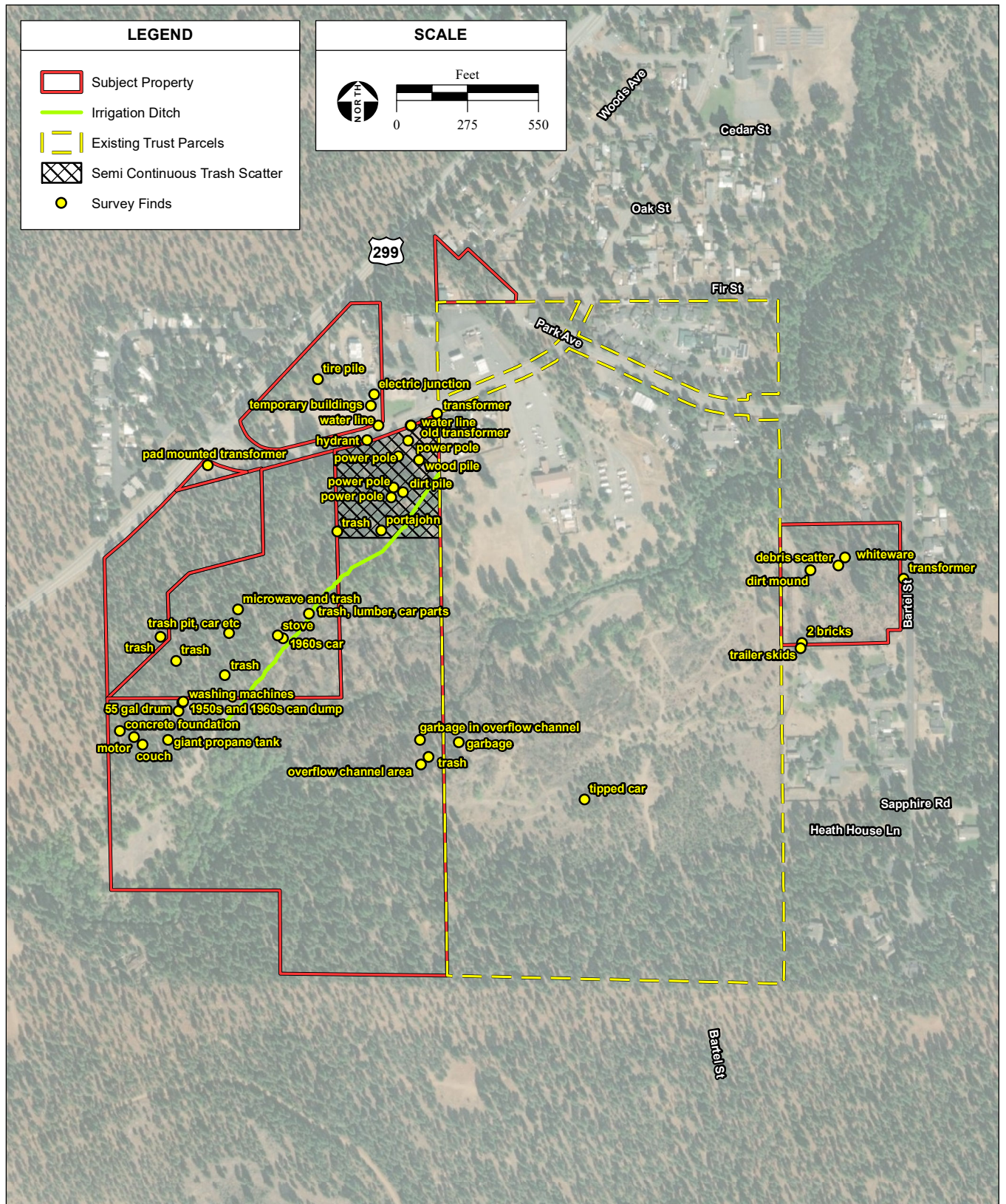
**PHOTO 17:** APN 028-170-016-000 Port-a-john



**PHOTO 14:** APN 028-410-015-000 Irrigation Ditch



**PHOTO 16:** APN 028-450-033-000 Trailer Skids



SOURCE: Shasta County Parcels, 2021; Maxar aerial photograph, 9/7/2021; ESRI, 2022; AES-Montrose, 8/4/2022

Pit River Burney FTT Phase I ESA / 222518 ■

**Figure 5**  
Survey Finds

## SECTION 3.0

---

### INTERVIEWS AND USER-PROVIDED INFORMATION

#### 3.1 LOCAL ENVIRONMENTAL RECORDS SOURCES

##### Local Environmental Agency

The EDR radius map report (**Appendix E**), the State of California's State Water Resources Control Board (SWRCB) GeoTracker database, and the DTSC EnviroStor database provided search and documentation of local hazardous materials data.

##### Department of Planning and Zoning

Land use and zoning designations of the Subject Property were reviewed through information provided by the County. The Subject Property has multiple land use designations, including commercial for parcels 028-170-015-000, 028-410-014-000, 028-410-018-000, and 028-410-025-000, one-family residential for 028-410-015-000 and that portion of 028-410-016-000 north of Burney Creek, Open Space along the Burney Creek corridor, Timberland for that portion of 028-410-016-000 south of Burney Creek, and one-family residential for 028-450-033-000 (Shasta County, 2022).

##### Electrical Utility and Natural Gas Companies

Pacific Gas and Electric (PG&E) provides gas and electrical utilities in the vicinity of the Subject Property (California Energy Commission, 2022). Overhead power lines are located along the east side of APN 028-450-033-000, along Tamarack Avenue, and a pad-mounted transformer is located on APN 028-410-025-000. Gas transmission pipelines are located south of the Subject Property (NPMS, 2022).

#### 3.2 INTERVIEWS AND QUESTIONNAIRES

Standard land owner and government official questionnaires were distributed and are included in **Appendix H**.

##### Owner/User Questionnaire and Owner Provided Information

The Owner/User questionnaire was completed by Russell Eleck, Lands Coordinator for the Pit River Tribe on October 3, 2023. In his responses, Mr. Eleck indicated he does not have specific knowledge of hazardous materials or conditions on the Subject Property.

##### Title Records

No title company or professional was engaged by the client to review recorded land title records and lien records. Likewise, documentation regarding property valuation was not provided nor reviewed.

##### Known/Reasonably Ascertainable Information and Actual Knowledge of the User

The Owner/User Questionnaire asks if the owner is aware of "commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases of hazardous materials." Mr. Eleck checked the "no" box.

### **Environmental Liens, Activity and Use Limitations, and Valuation Reductions**

On the Owner/User Questionnaire, Mr. Eleck indicated that he was not aware of any environmental liens or activity and use limitations.

### **Degree of Obviousness**

Mr. Eleck confirmed that based on his knowledge and experience related to the property, there are no obvious indicators that point to the presence or likely presence of hazardous materials products or petroleum product releases at the Subject Property.

### **Specialized Knowledge**

Question 3 of the Owner/User Questionnaire states that Mr. Eleck does have specialized knowledge of the Subject Property and adjoining property.

### **Adjacent Property Owner and Agency Interviews**

An inquiry was sent to the Shasta County Environmental Health Department which replied that, because they are tribal lands, parcels 028-170-015, 028-410-014, 028-410-025, and 028-450-033 are not regulated by the County and that they had no records of incidents on the remaining parcels.

# SECTION 4.0

## RECORDS REVIEW

### 4.1 DATABASE SEARCH

Database searches were conducted for records of known storage tank sites and known sites of hazardous materials generation, storage, and/or contamination within 1.0 mile from the boundary of the Subject Property. The environmental database review was accomplished by using the services of a computerized search firm, EDR. EDR uses a geographic information system to plot locations of past or current hazardous materials involvement. The EDR Report (EDR, 2022) was reviewed to determine if the Subject Property and adjacent sites are listed on regulatory agency databases. Although a site may be listed within a regulatory agency database, the listed site may not currently be contaminated or affect the environmental quality of the Subject Property and therefore may not be considered a REC. The regulatory agency database search is only as accurate as the data and date the data was entered into the regulatory agency-maintained database. If not reported to the appropriate regulatory agency, installation of USTs or hazardous materials releases would not be listed on the regulatory agency databases that were searched for this Phase I ESA.

The purpose of the database search is to determine if the Subject Property or adjacent sites contain RECs that would impact surface and/or subsurface conditions on the Subject Property. The EDR database report includes list of known and “unmapped” or orphan sites. The complete list of reviewed databases is provided in the EDR Report, included in **Appendix E**, and is summarized in **Table 3**. The DWR GeoTracker and DTSC EnviroStor databases were also examined; Geotracker reported the Mt. Burney Elementary School, Beacon #630, Kwick Mart Burney, Shasta County Sheriff’s Office, Taylor Property, George Greer residence, and Bernards LUST cleanup sites, all of which are within 1 mile of the Subject Property and all of which have been closed. No sites were reported on the EnviroStor database.

**TABLE 3: EDR SUMMARY OF AGENCY DATABASES**

Regulatory Agency Database	Min. Search Distance	Property Listed	Sites Listed
SEMS-ARCHIVE	0.50 mile	No	1
Leaking Underground Storage Tanks (LUST)	0.50 mile	No	6
Aboveground Storage Tanks (UST)	0.25 mile	No	1
INDIAN UST	0.25 mile	No	1
CA State Water Resources Control Board (SWRCB) Underground Storage Tank Division Registered UST List (SWEEPS UST)	0.25 mile	No	1
HIST UST	0.25 mile	No	1
USEPA RCRA Non-Generators (NonGen) / No Longer Regulated (NLR)	0.25 mile	No	2
CA Cortese Hazardous Waste and Substances List (Cortese)	0.50 mile	No	5
HIST CORTESE	0.50 mile	No	4
<b>TOTAL</b>			<b>22</b>
Notes: TP = Target Property Sites may be listed in more than one database Source: EDR, 2022 ( <b>Appendix E</b> )			

## 4.2 RECORDED HAZARDOUS MATERIALS

### Subject Property

Fletcher Forest Products, Inc., located at 20202 Tamarack Avenue, is within the Subject Property. It is on the SWEEPS UST because of an underground diesel fuel storage tank, in use since August 1990. No violations have been reported. This site is not a REC for the Subject Property. There are no other hazardous materials listings within the Subject Property. Based on the results of an EDR ASTM E2600-15 Tier I VES, a VEC does not exist for the Property.

### Adjacent Properties

The 28 remaining database listings are located on 17 sites within a one-mile radius of the Subject Property. However, a site listed on a regulatory agency database does not necessarily mean a hazardous materials release occurred at the listed site; most of the sites listed in **Table 2** fall into this category and are listed merely because they are required to work under regulatory oversight, or have had minor violations which did not result in the release of a hazardous material to the environment and which have been corrected. The remaining four sites are discussed below.

#### *Pit River Mini Mart – 20258 Tamarack Avenue*

Located approximately 223 feet northeast of and downgradient from the Subject Property, this site is on the INDIAN UST database because it is an underground gasoline storage tank on Indian Land installed in November 2011. This site is not a REC for the Subject Property.

#### *Pit River Health Service, Inc – 36977 Park Avenue*

This site is approximately 310 feet east-northeast and upgradient from the Subject Property. It is listed on the RCRA NonGen/NLR as a potential generator, but this site does not generate waste and is not a REC for the Subject Property.

#### *Kwik Mart Burney – 37047 Main Street*

Located approximately 1,154 feet north-northeast of and upgradient from the Subject Property, this closed site is listed on the UST, LUST, Cortese, HAZNET, HWTS, and HIST CORTESE databases. Leaking gasoline from an underground storage tank was reported in 1990 when the tank was closed. The case was opened in 1994, soils were removed for remediation, and soil analysis revealed elevated concentrations of petroleum hydrocarbons including diesel fuel. Subsequent investigations, including installation of groundwater monitoring wells demonstrated that pollution remaining at the site did not pose a threat to the environment and a No Further Action Required letter was issued in 1998. Pollutant concentrations were examined again in 2014 and found to be the same as in 1998 and the case has been closed. This site is not a REC for the Subject Property.

#### *Mitch Quistgard – 20017 Bartel Street*

This site is approximately 1,231 feet east-southeast and downgradient from the Subject Property. It is listed on the RCRA NonGen/NLR as waste handler, but this site does not generate waste and is not a REC for the Subject Property.

#### *Fast Gas/Beacon SS #630 – 1667 Main Street*

Located approximately 1,290 feet north-northeast of and upgradient from the Subject Property, this is a historic UST where three underground tanks were installed in 1972 and stored 10,000 gallons of gasoline.

The site is listed on the UST, LUST, Cortese, and HIST CORTESE databases. It was reported that gasoline leaked into the soil in January 1994. The leak was stopped immediately, the soil cleaned up, and the case was closed in July 1994. This site is not a REC for the Subject Property.

#### *Mt Burney Elementary School – 20375 Tamarack Road*

Located approximately 1,420 feet northeast and downgradient from the Subject Property, this site is listed on LUST, Cortese, HIST CORTESE, NPDES and CIWQS databases. A leak of heating oil was reported in 1991; the leak was stopped and the contaminated soil removed. The case was closed in 1993 and the site is not a REC for the Subject Property.

#### *Taylor Property – Highway 299E*

Located approximately 1,477 feet north-northeast of and downgradient from the Subject Property, this is a LUST reported in September 1998; it was discovered during the closure of the tank and stopped as soon as discovered. Because of the potential for leaked gasoline to enter the aquifer, groundwater well monitoring occurred from 2002 to 2007. A closure summary report was prepared in 2008, and the case was closed in 2009. This site is not a REC for the Subject Property.

#### *Bernards – 37087 Main Street*

This site is listed on the LUST and Cortese site; it is located 1,504 feet north-northeast of and downgradient from the Subject Property. (1) 4,000-gallon, and (1) 1,000-gallon gasoline UST, (1) 4,000-gallon diesel UST, and (1) 500-gallon waste oil UST. The four gasoline and diesel USTs were reported to be abandoned via concrete slurry in August 1991. A Preliminary Site Assessment (PSA) consisting of test pits and soil confirmation samples were conducted in April 2005. Groundwater was not encountered during the PSA. Confirmation soil sampling reported elevated petroleum hydrocarbon constituent concentrations in soils beneath the site. A Request for a work plan for additional site assessment of the site in efforts to delineate the potential lateral and vertical extents of contamination was requested by Shasta County in October 2005. An Unauthorized Release Report (URR) was filed by Shasta County in June 2012. The case was closed in 1992, then reopened in 2012 and is still active. However, the site is not a REC for the Subject Property.

#### *Louisiana-Pacific Corp Burney Operation – Highway 89*

This site is 2,589 feet northeast and downgradient from the Subject Property. It is a fiberboard producer and large quantity generator listed on the SEMS-ARCHIVE and RCRA-SQG sites, however no violations have been reported; the site is not a REC for the Subject Property.

### **Unmapped or Orphan Sites**

Three orphan sites have been listed in the EDR radius report (**Appendix E**), Sierra Pacific Industries (buried drums that were removed in 1988), the Sheriff's Department (leaking underground gasoline tank), and Happy Valley Cemetery (abandoned drug lab equipment). The cases for each have been closed and none of these sites pose a REC for the Subject Property.

### **Previous Environmental Studies**

No previous Phase I ESAs have been completed for the Subject Property.

## SECTION 5.0

---

### FINDINGS AND CONCLUSIONS

Based on information gathered while conducting this Phase I ESA, no RECs, HRECs, or CRECs were identified in connection with the Subject Property. Any hazardous materials emanating from the dumping that has occurred on the Subject Property likely constitute a *de minimis* condition as defined by ASTM E1527-21 and therefore qualify as an issue that generally does not present a threat to human health or the environment, would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. The following observations and findings were made:

- Review of historical topographic maps and aerial photographs showed that the Subject Property was mostly vacant in the past.
- Burney Creek and an irrigation ditch cross the middle of the Subject Property.
- Debris of varying size and age was found throughout much of the Subject Property.
- There are homeless people living in three structures on the Subject Property, with recent debris in and around the structures.
- There is a rusted transformer located near the northeast corner of the Subject Property.
- There is a large soil pile on APN 028-410-018-000 that may include petrochemicals resulting from Forest Service vehicle maintenance activities.

The following actions are recommended:

- Try and determine the origin of the large soil pile on APN 028-410-018-000; if from scraping the parcel, or if the origin cannot be determined, submit samples to an accredited testing laboratory, and implement additional steps (i.e., soil sampling, remediation) as needed depending on results.
- If the tests come back with unacceptably high levels of hazardous materials, retain a qualified contractor to remove and dispose of at a qualified facility.
- Remove the temporary buildings and railroad car from APN 028-410-018-000 with all the attendant garbage.
- Remove all debris, garbage, tires, lumber, vehicles, furniture, cans, drums, wire, fencing, glass, plastic, appliances, etc. and dispose of at an appropriate facility.
- Report the rusted transformer to PG&E, as it may contain PCBs.



# SECTION 6.0

---

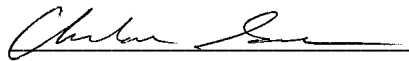
## REPORT PREPARERS

The undersigned declare to the best of their professional opinion that they meet the definition of Environmental Professional (EP) as defined in Section 312.10 of 40 CFR 312. Charlane Gross performed the site reconnaissance and prepared this report under the professional supervision of Stephen Defibaugh, who qualifies as an EP as defined in ASTM Standard E 1527-21, and has the specific qualifications based on education, training, and experience to assess a property of the nature, and setting of the Subject Property. Resumes for the report contributors are included in **Appendix I**.

### 6.1 REPORT PREPARATION

AES - Montrose  
1801 7th Street, Suite 100  
Sacramento, CA 95811

**Site Assessor:**  **Date:** 10/11/23  
Charlane Gross

**Report Preparer:**  **Date:** 10/11/23  
Charlane Gross

**EP:**  **Date:** 10/12/23  
Greg Buchanan

## SECTION 7.0

---

### REFERENCES

American Society for Testing and Materials, 2021. Practice E 1527-21: “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment.”

California Geological Survey (CGS), 2015. Fault Activity Map of California. Available online at: <https://maps.conservation.ca.gov/cgs/fam/>. Accessed July 2022.

California Energy Commission, 2022. California Electric Utility Service Areas. Available online at: <https://cecgis-caenergy.opendata.arcgis.com/app/ad8323410d9b47c1b1a9f751d62fe495>. Accessed July 2022.

Environmental Data Resources, Inc., 2022 Radius Map Report with GeoCheck, Inquiry No. 7049799.2s, dated July 12, 2022.

Federal Emergency Management Agency (FEMA), 2019. Flood Zones. Available online at: <https://www.fema.gov/glossary/flood-zones>. Accessed June 2022.

National Pipeline Mapping Service (NPMS), 2022. Gas Pipeline Viewer. Available online at: <https://pvnpm.phmsa.dot.gov/PublicViewer/>. Accessed July 2022.

Shasta County, 2022. Available online at: <https://maps.co.shasta.ca.us/ShastaCountyMap/>. Accessed July 2022.

US Fish and Wildlife Service, 2022. National Wetlands Inventory. Available online at: [https://fwsprimary.wim.usgs.gov/server/rest/directories/arcgisoutput/Utilities/PrintingTools\\_GPServer/\\_ags\\_cca40774693c4bc7a2e6778ee9c41242.pdf](https://fwsprimary.wim.usgs.gov/server/rest/directories/arcgisoutput/Utilities/PrintingTools_GPServer/_ags_cca40774693c4bc7a2e6778ee9c41242.pdf). Accessed July 2022.

# ***APPENDICES***

---

# ***APPENDIX A***

---

## *HISTORICAL AERIAL PHOTOGRAPHS*



**Pit River Burney FTT**

Oak Street

Burney, CA 96013

Inquiry Number: 7049799.8

July 13, 2022

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

07/13/22

**Site Name:**

Pit River Burney FTT  
Oak Street  
Burney, CA 96013  
EDR Inquiry # 7049799.8

**Client Name:**

Montrose Environmental  
1801 7th Street  
Sacramento, CA 95811  
Contact: Charlane Gross



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
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Acquisition Date: January 01, 1998	USGS/DOQQ
1993	1"=500'	Acquisition Date: July 30, 1993	USGS/DOQQ
1981	1"=500'	Flight Date: June 28, 1981	USDA
1975	1"=500'	Flight Date: September 26, 1975	USGS
1973	1"=500'	Flight Date: June 03, 1973	USGS
1952	1"=500'	Flight Date: July 17, 1952	USDA
1939	1"=500'	Flight Date: July 15, 1939	USDA

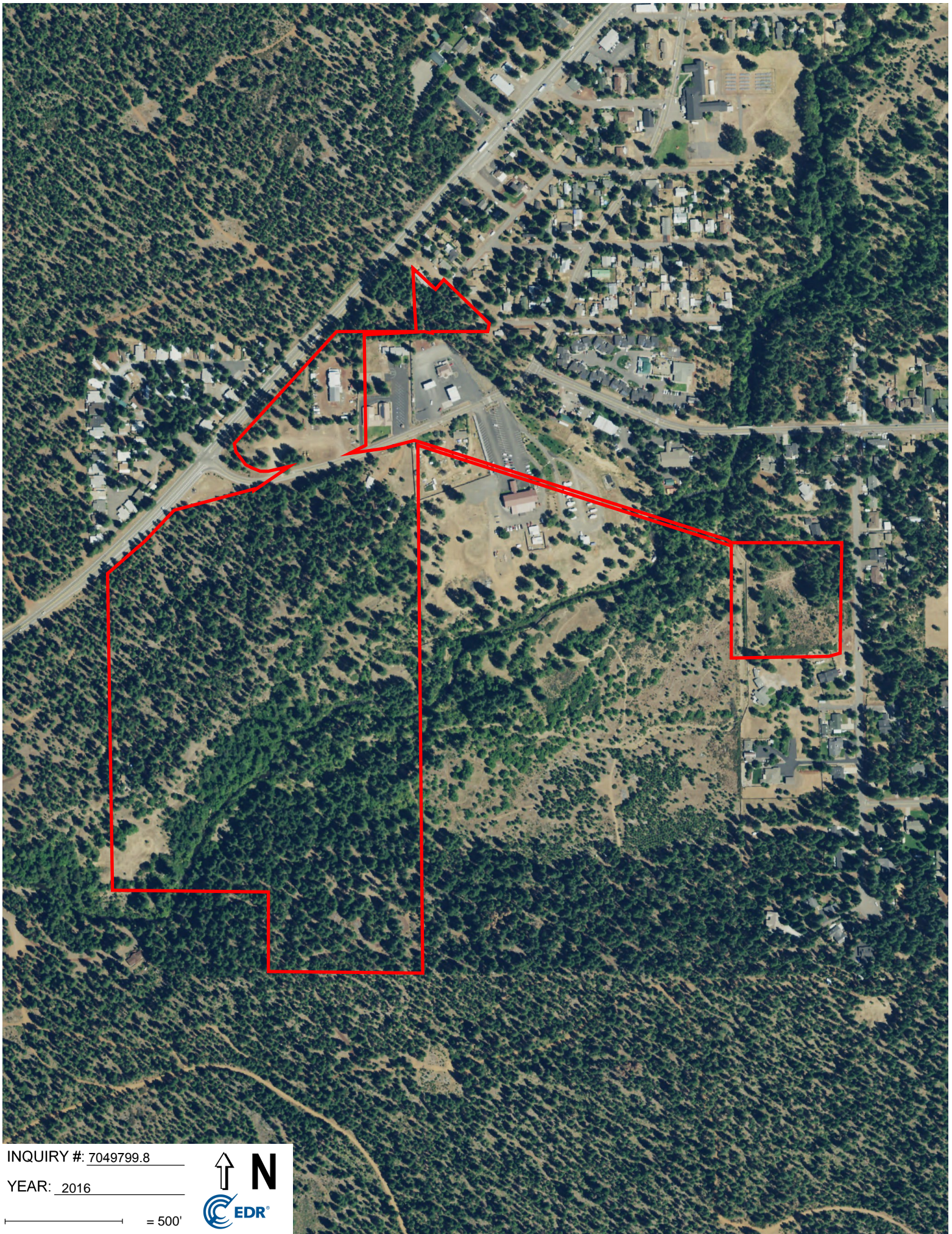
**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

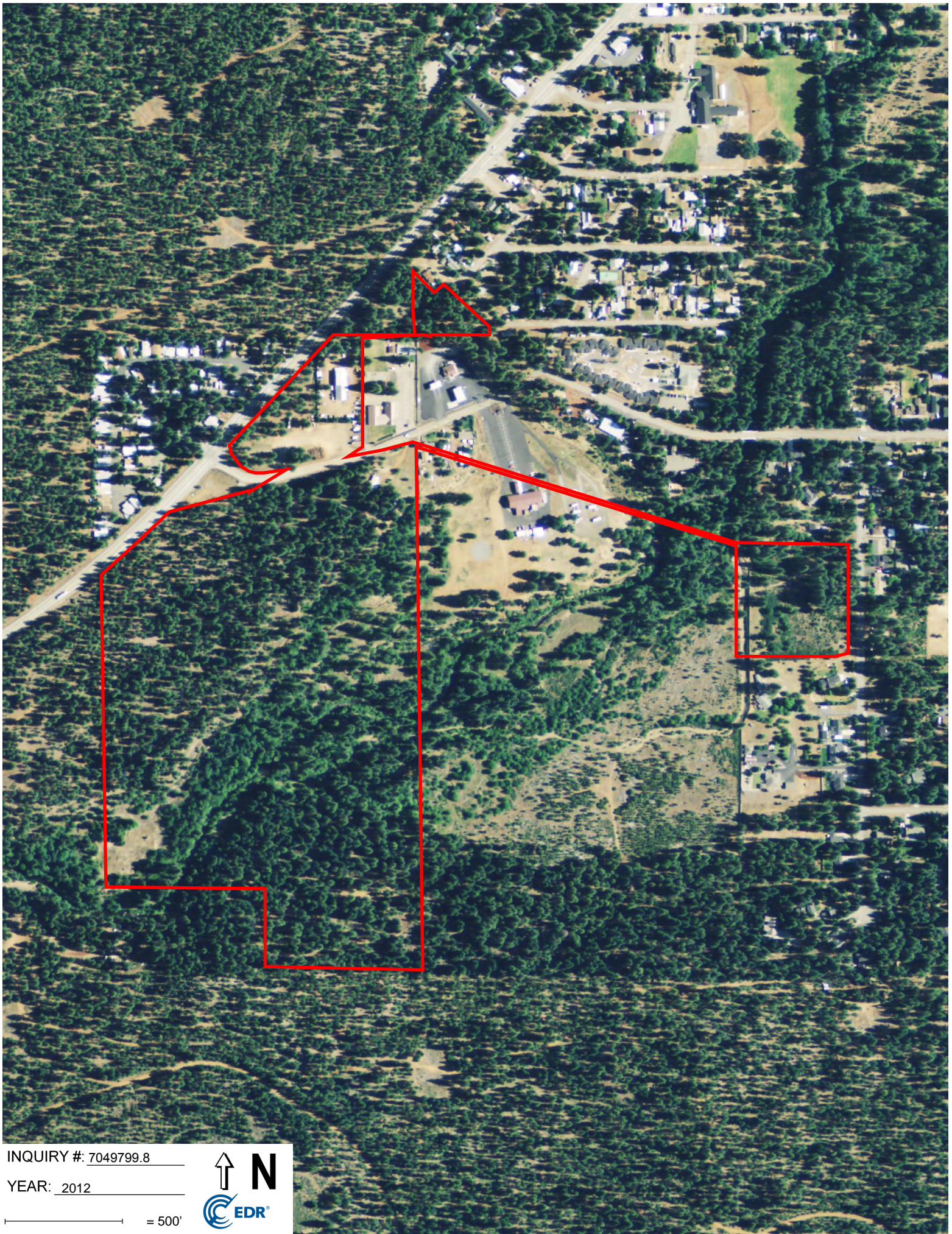


INQUIRY #: 7049799.8

YEAR: 2016

— = 500'





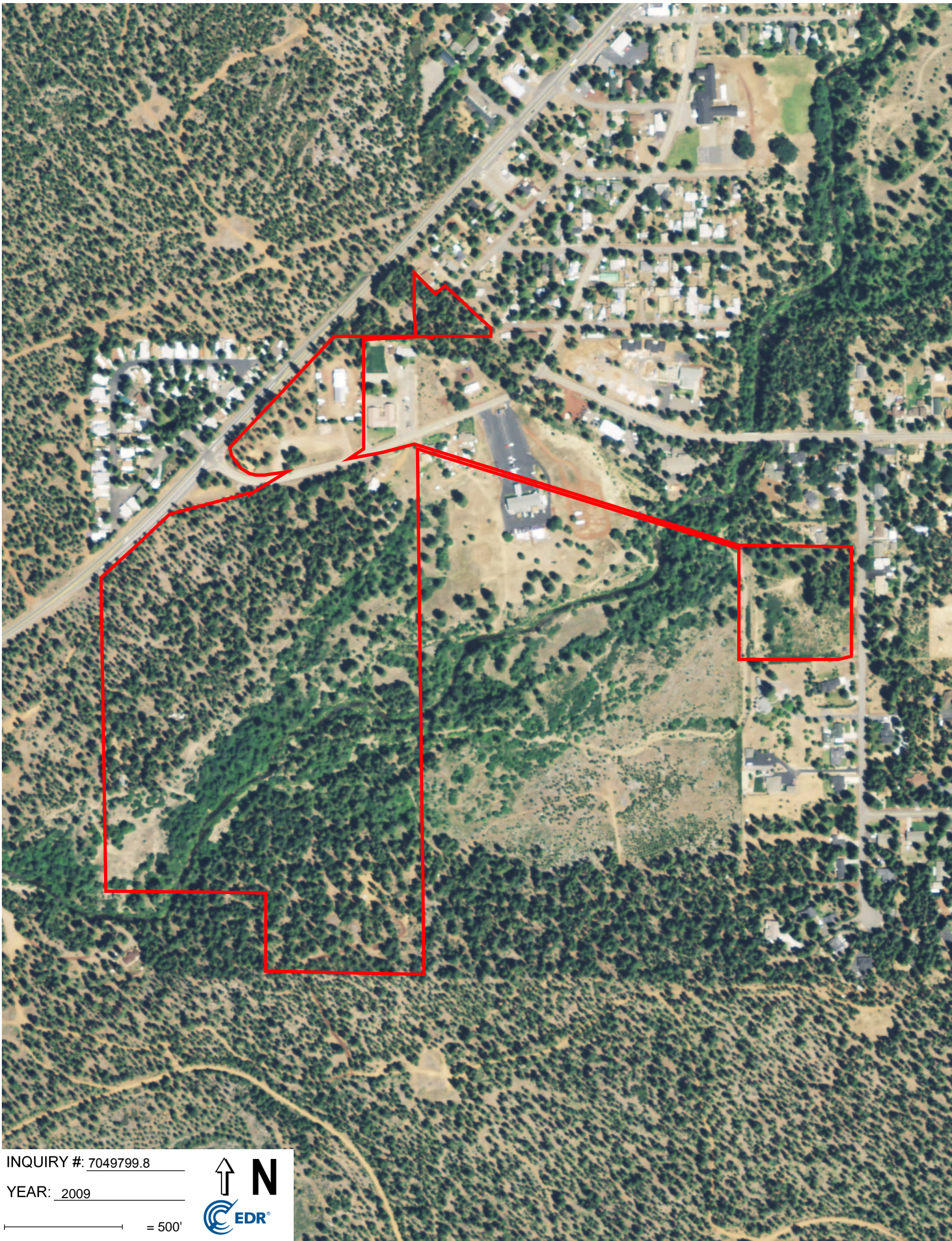
INQUIRY #: 7049799.8

YEAR: 2012

— = 500'





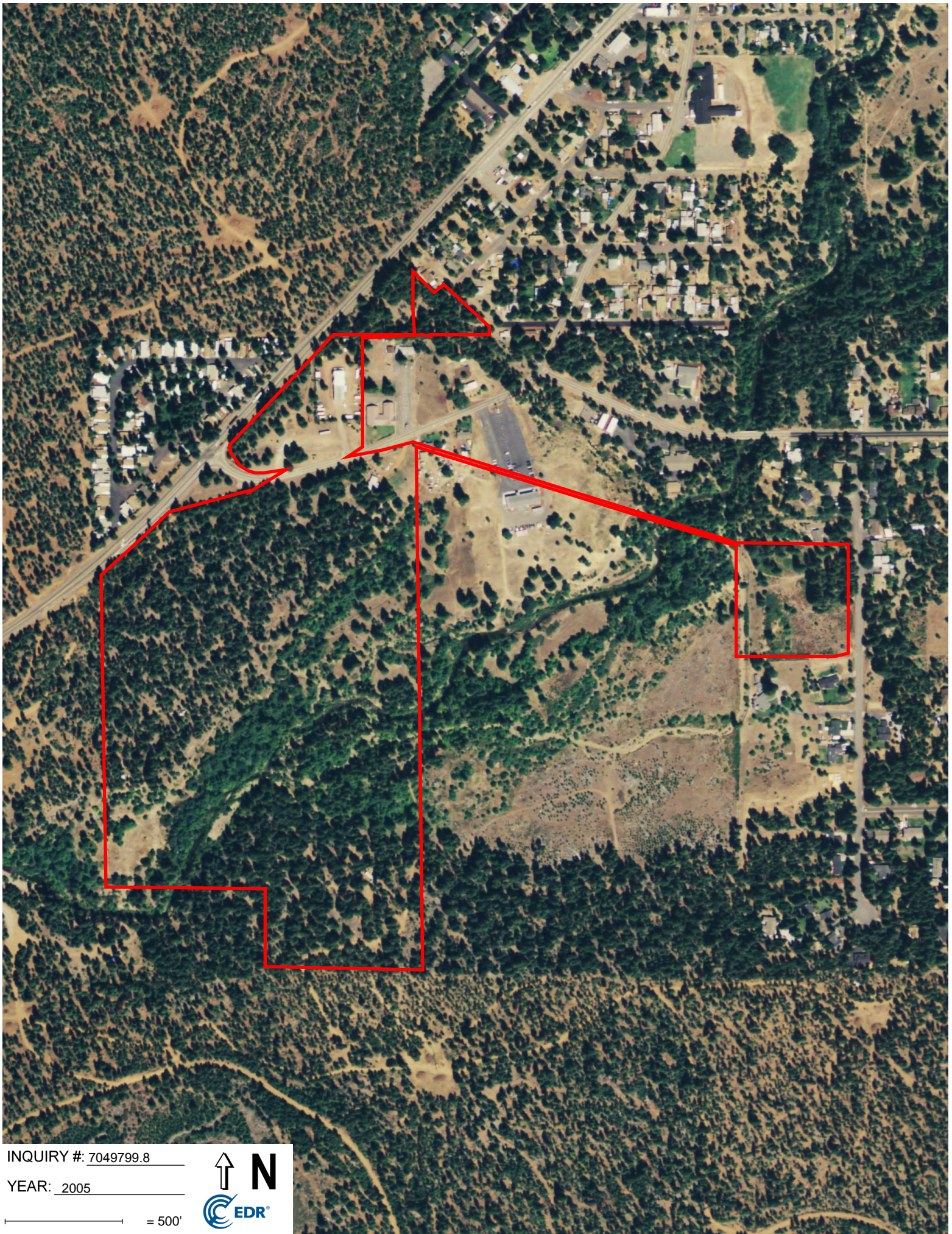


INQUIRY #: 7049799.8

YEAR: 2009

— = 500'



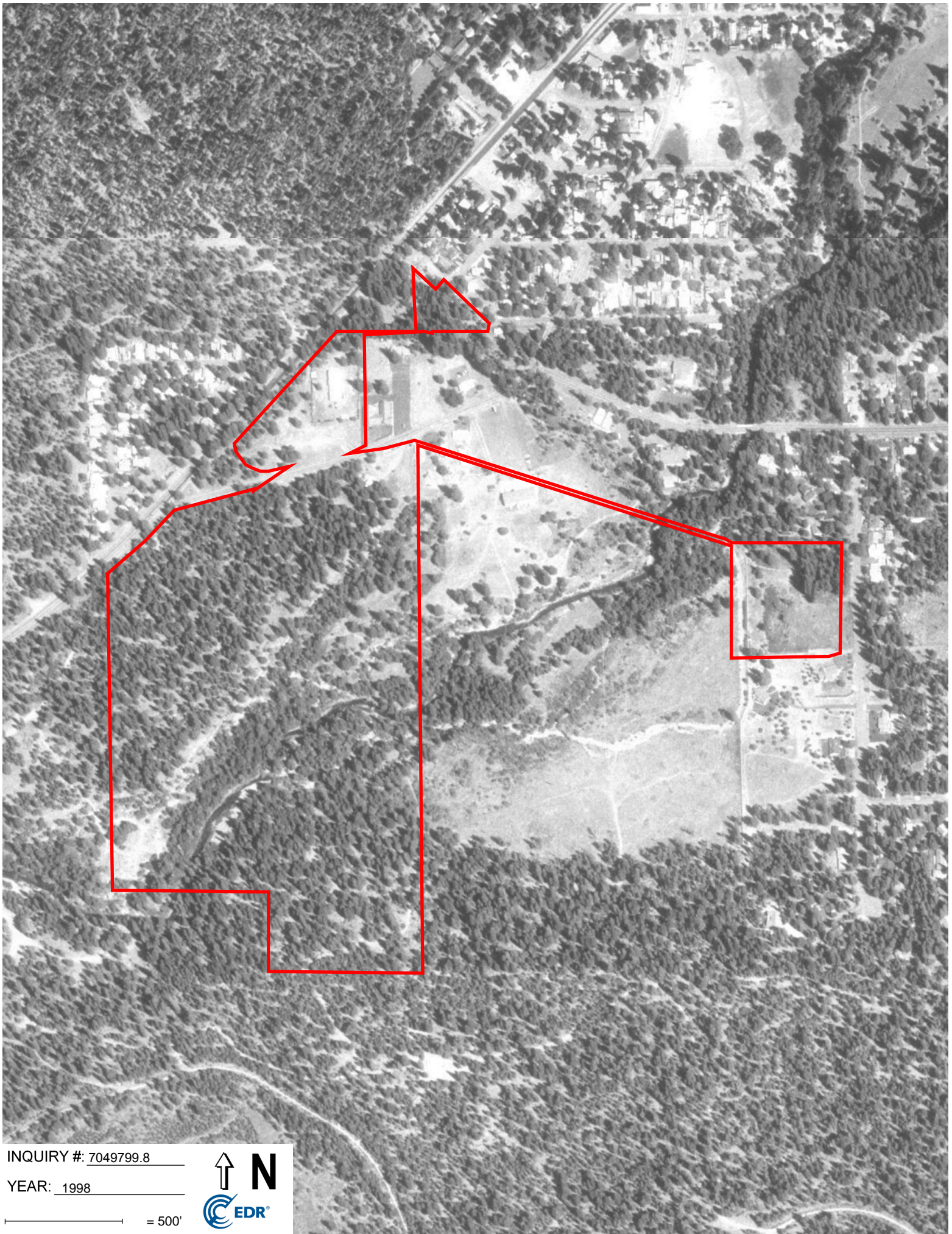


INQUIRY #: 7049799.8

YEAR: 2005

— = 500'





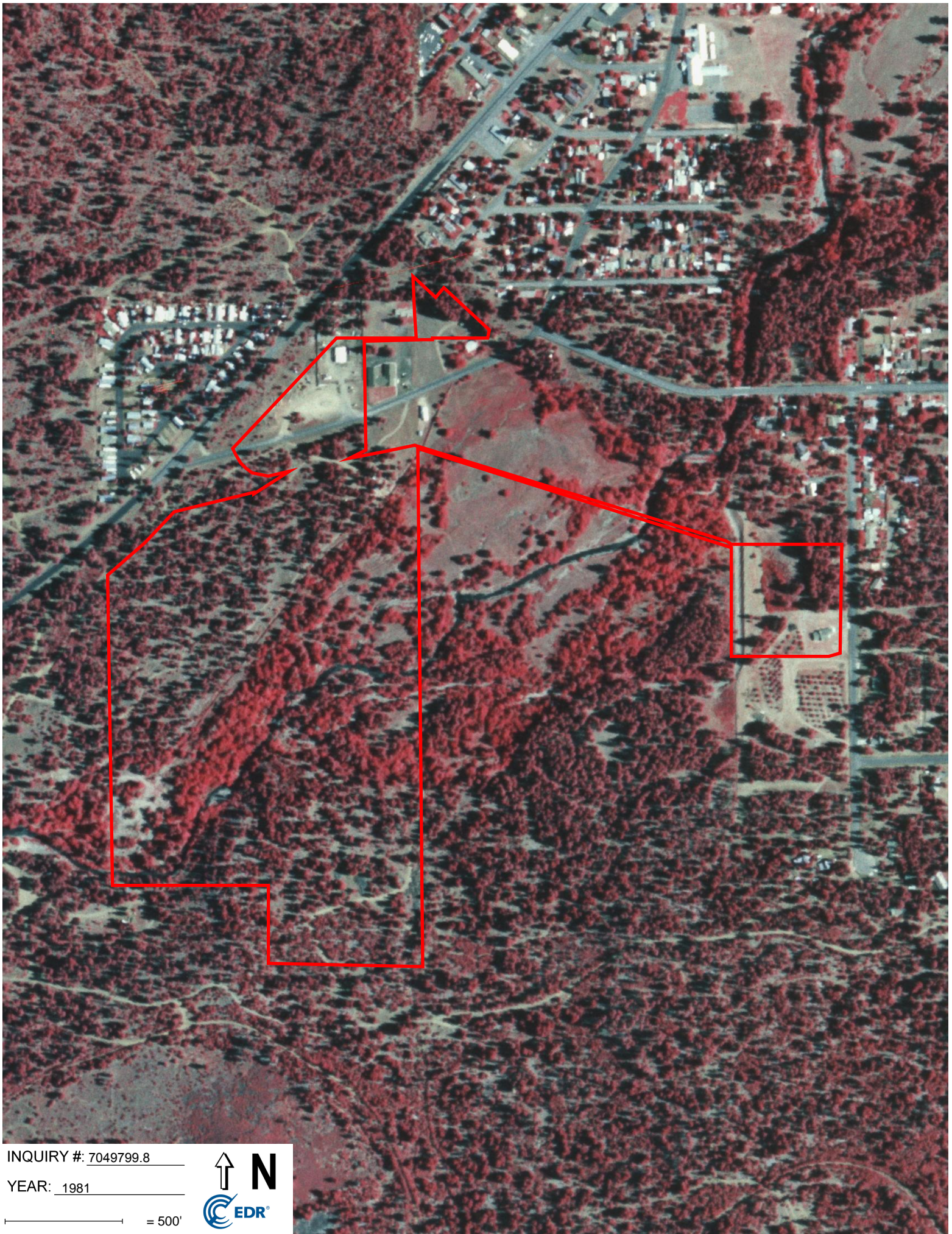
INQUIRY #: 7049799.8

YEAR: 1998

— = 500'





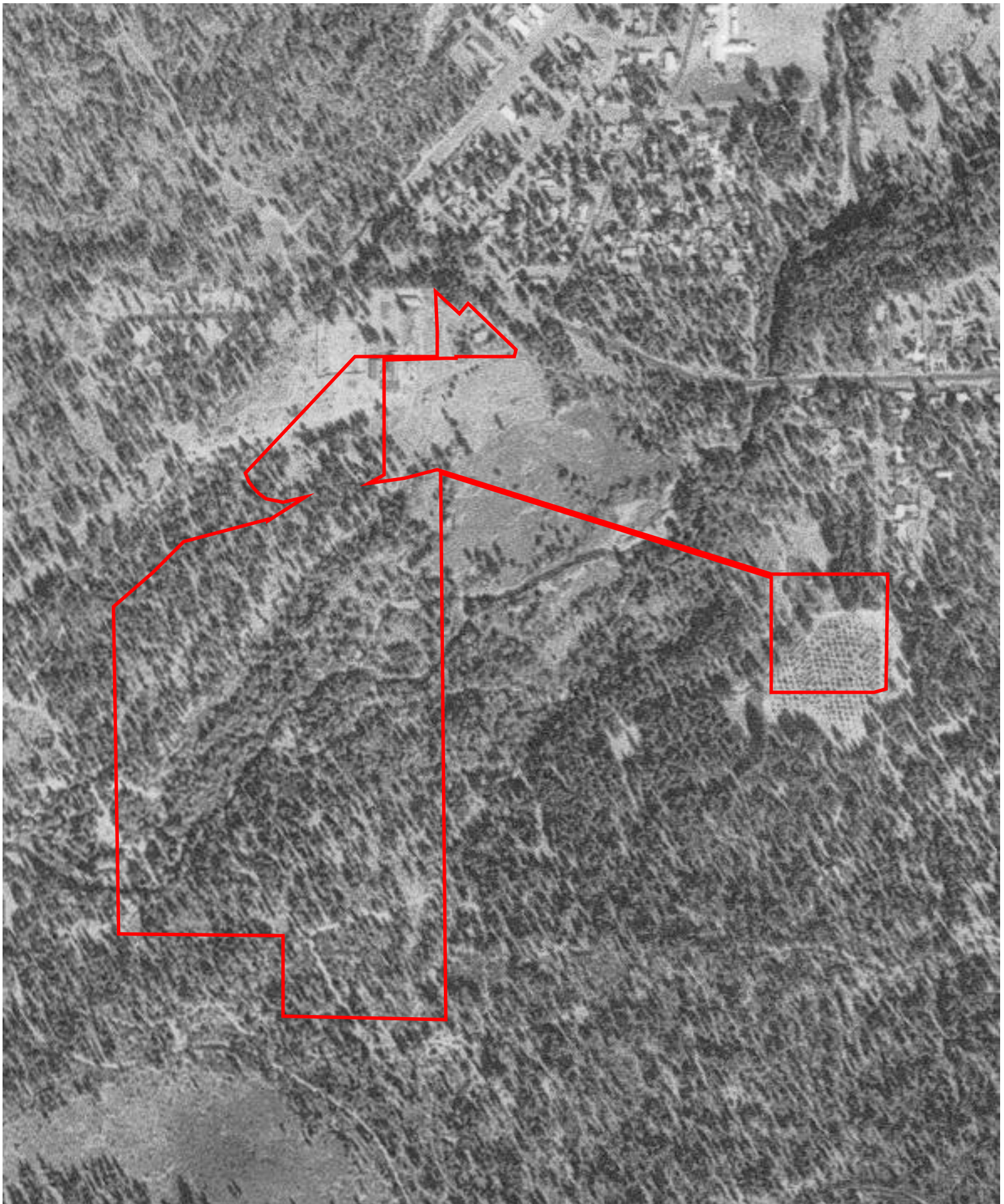


INQUIRY #: 7049799.8

YEAR: 1981

— = 500'



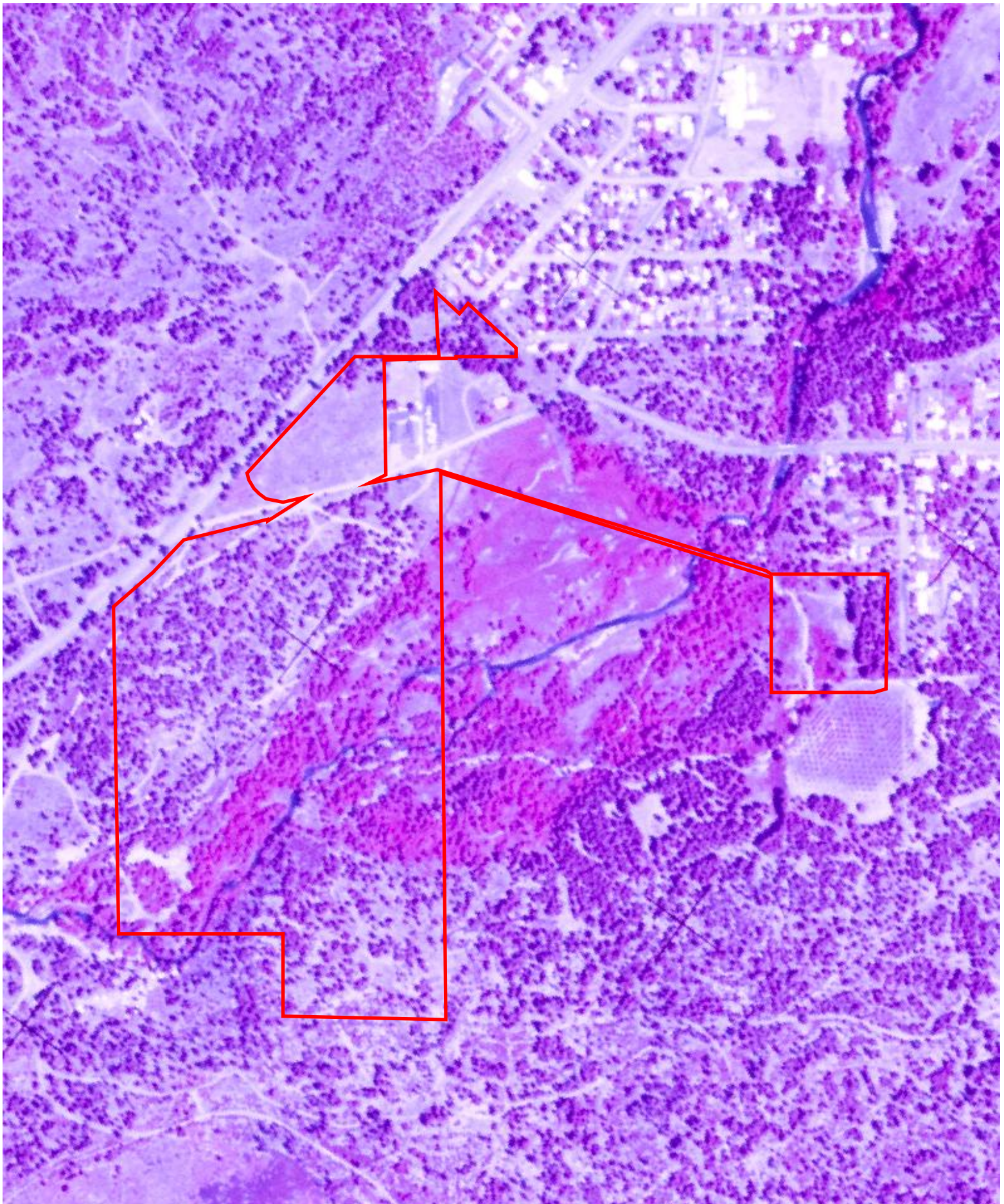


INQUIRY #: 7049799.8

YEAR: 1975

— = 500'





INQUIRY #: 7049799.8

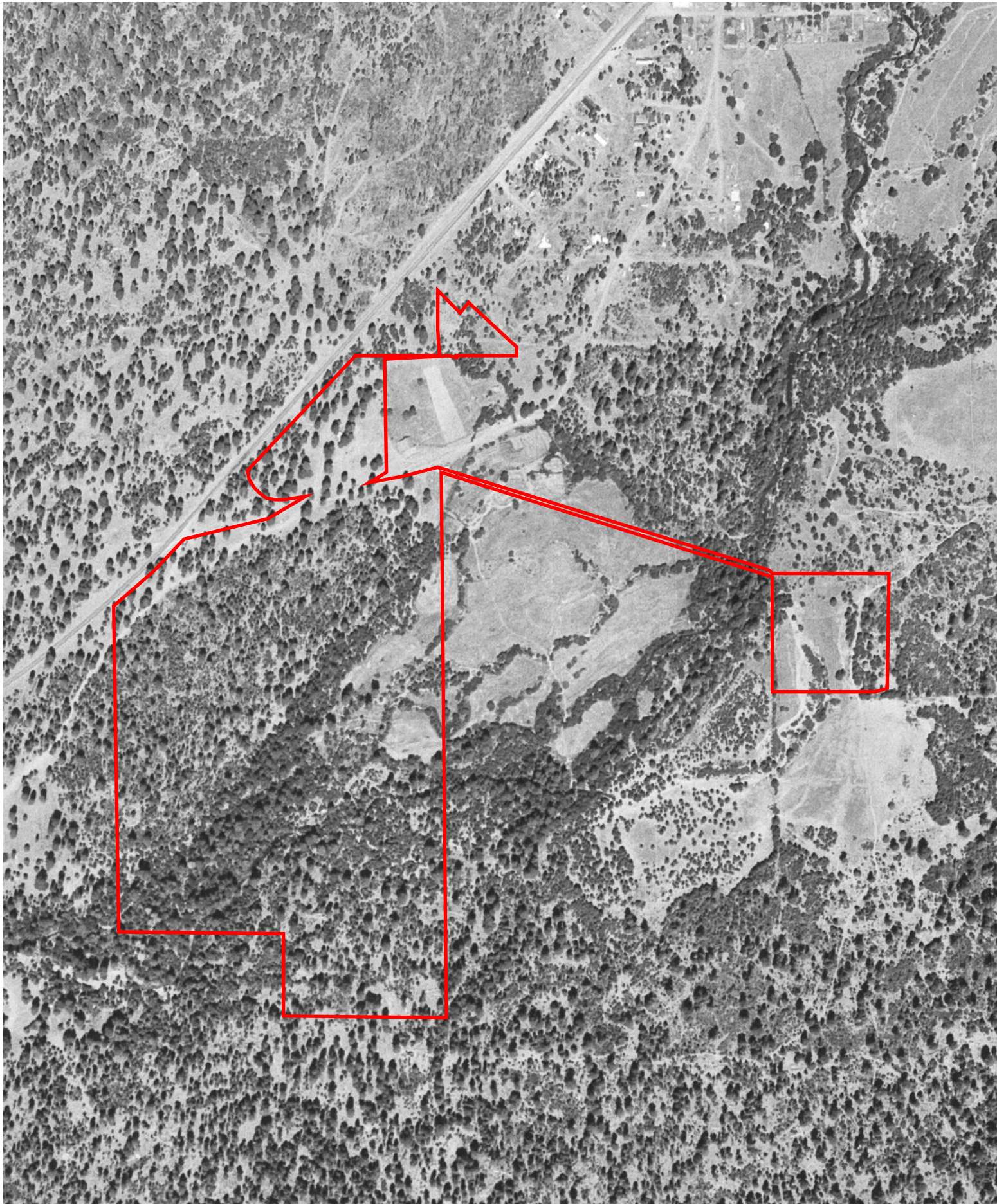
YEAR: 1973

— = 500'









INQUIRY #: 7049799.8

YEAR: 1939

 = 500'



# ***APPENDIX B***

---

## *HISTORICAL TOPOGRAPHIC MAPS*

Pit River Burney FTT

Oak Street

Burney, CA 96013

Inquiry Number: 7049799.4

July 12, 2022

## EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

07/12/22

**Site Name:**

Pit River Burney FTT  
Oak Street  
Burney, CA 96013  
EDR Inquiry # 7049799.4

**Client Name:**

Montrose Environmental  
1801 7th Street  
Sacramento, CA 95811  
Contact: Charlane Gross



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Montrose Environmental 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:**

<b>P.O.#</b>	NA	<b>Latitude:</b>	40.874033 40° 52' 27" North
<b>Project:</b>	Pit River Burney FTT - 222518	<b>Longitude:</b>	-121.678544 -121° 40' 43" West
		<b>UTM Zone:</b>	Zone 10 North
		<b>UTM X Meters:</b>	611349.23
		<b>UTM Y Meters:</b>	4525614.05
		<b>Elevation:</b>	3164.60' above sea level

**Maps Provided:**

2018  
2015  
2012  
1995  
1990  
1957  
1939  
1935

**Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

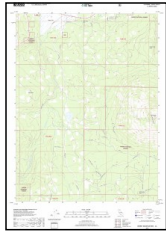
Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

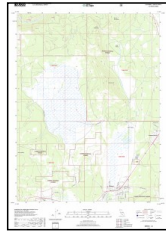
## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2018 Source Sheets

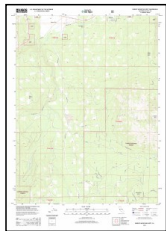


Burney Mountain West  
2018  
7.5-minute, 24000

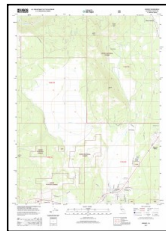


Burney  
2018  
7.5-minute, 24000

### 2015 Source Sheets



Burney Mountain West  
2015  
7.5-minute, 24000



Burney  
2015  
7.5-minute, 24000

### 2012 Source Sheets

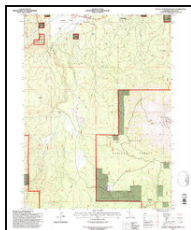


Burney Mountain West  
2012  
7.5-minute, 24000

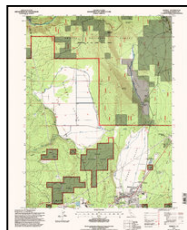


Burney  
2012  
7.5-minute, 24000

### 1995 Source Sheets



Burney Mountain West  
1995  
7.5-minute, 24000  
Aerial Photo Revised 1993

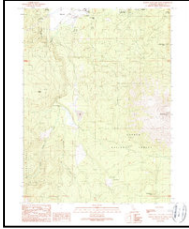


Burney  
1995  
7.5-minute, 24000  
Aerial Photo Revised 1993

## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1990 Source Sheets



Burney Mountain West  
1990  
7.5-minute, 24000  
Aerial Photo Revised 1984



BURNEY  
1990  
7.5-minute, 24000

### 1957 Source Sheets



Burney  
1957  
15-minute, 62500  
Aerial Photo Revised 1957

### 1939 Source Sheets

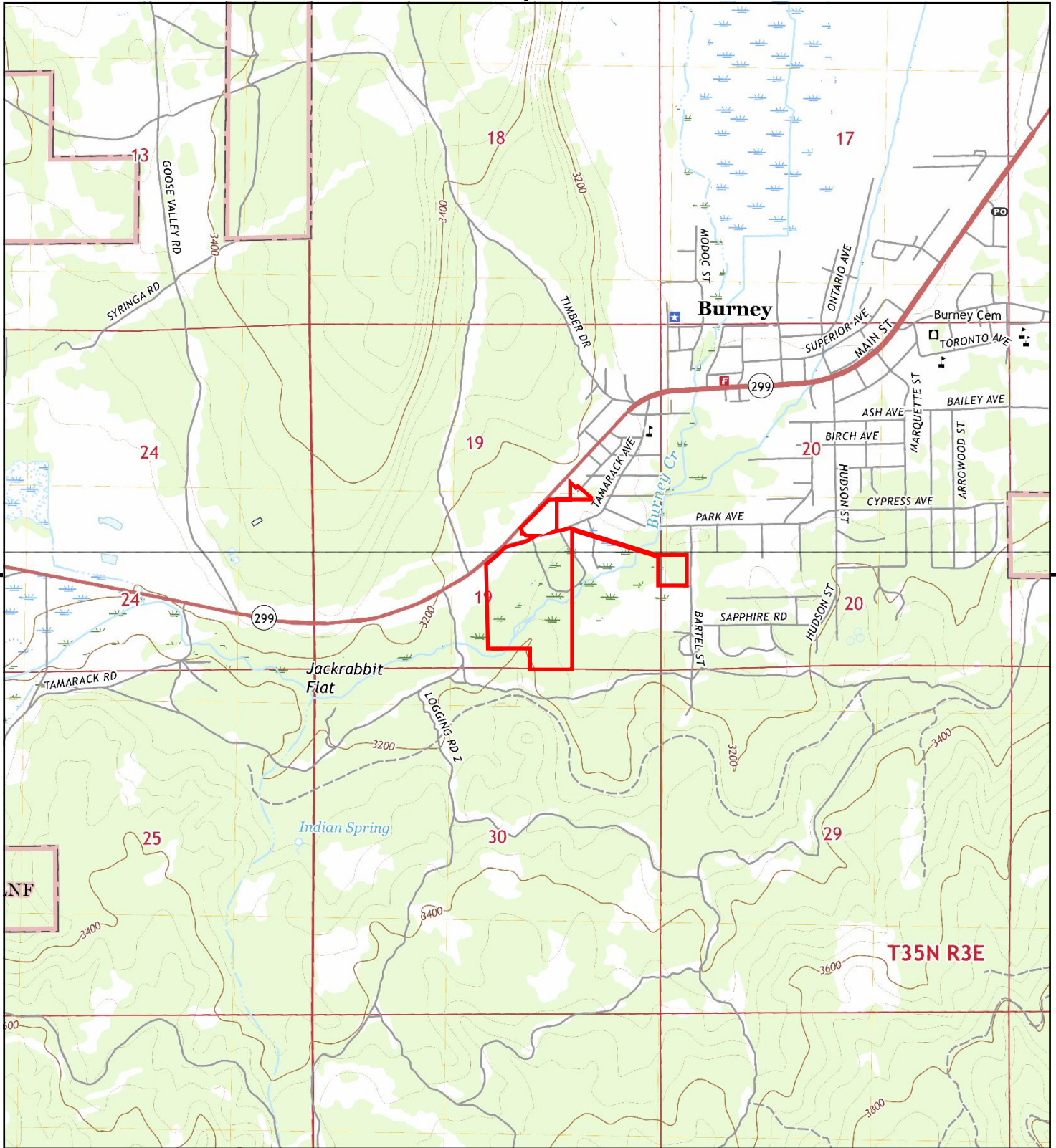


Burney  
1939  
30-minute, 125000

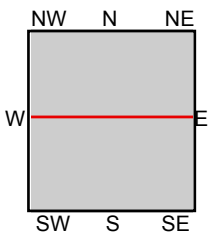
### 1935 Source Sheets



Burney  
1935  
30-minute, 96000



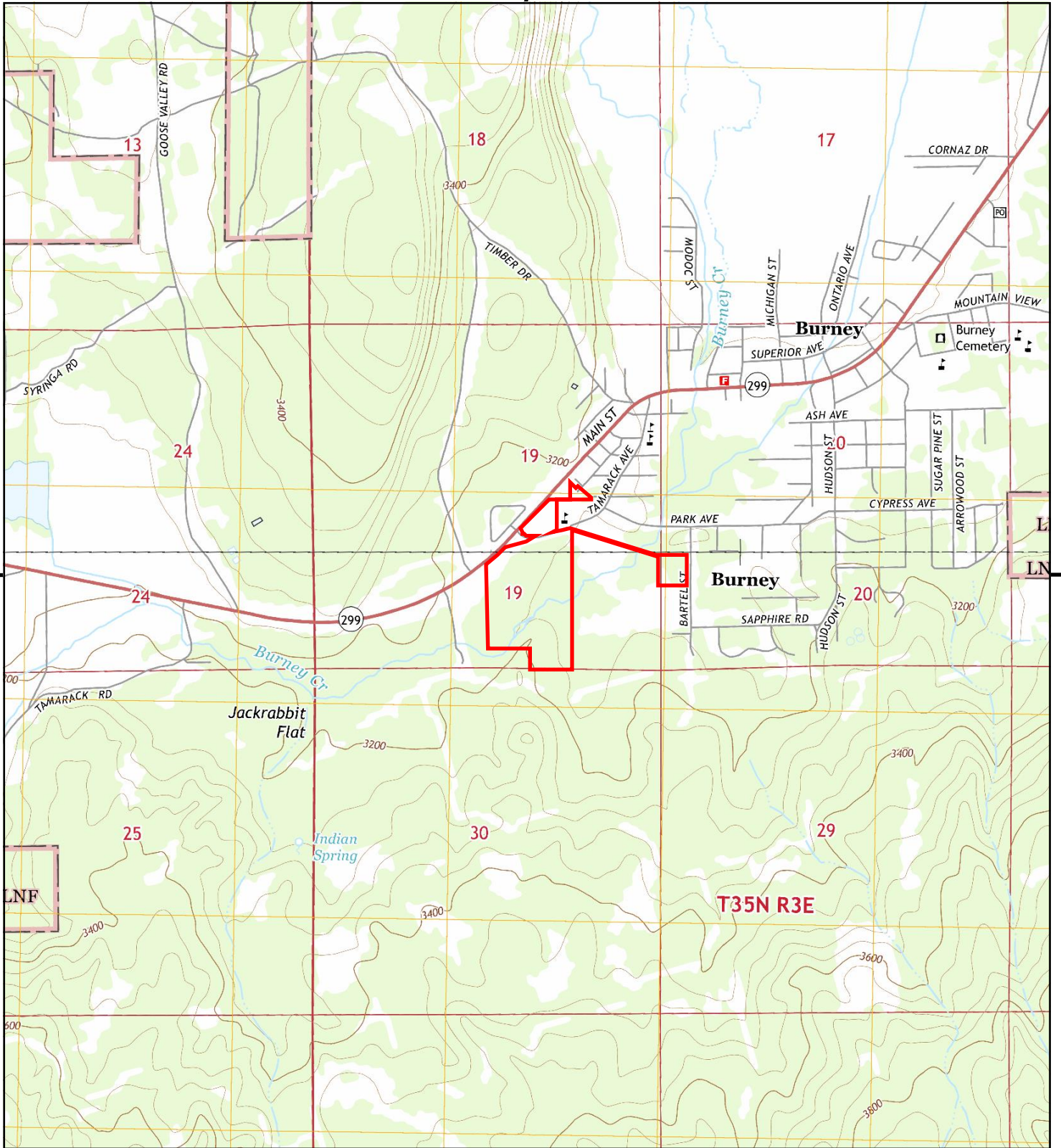
This report includes information from the following map sheet(s).



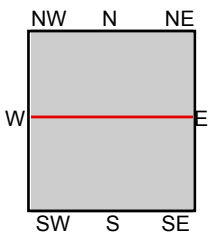
TP, Burney Mountain West, 2018, 7.5-minute  
 N, Burney, 2018, 7.5-minute

**SITE NAME:** Pit River Burney FTT  
**ADDRESS:** Oak Street  
 Burney, CA 96013  
**CLIENT:** Montrose Environmental





This report includes information from the following map sheet(s).

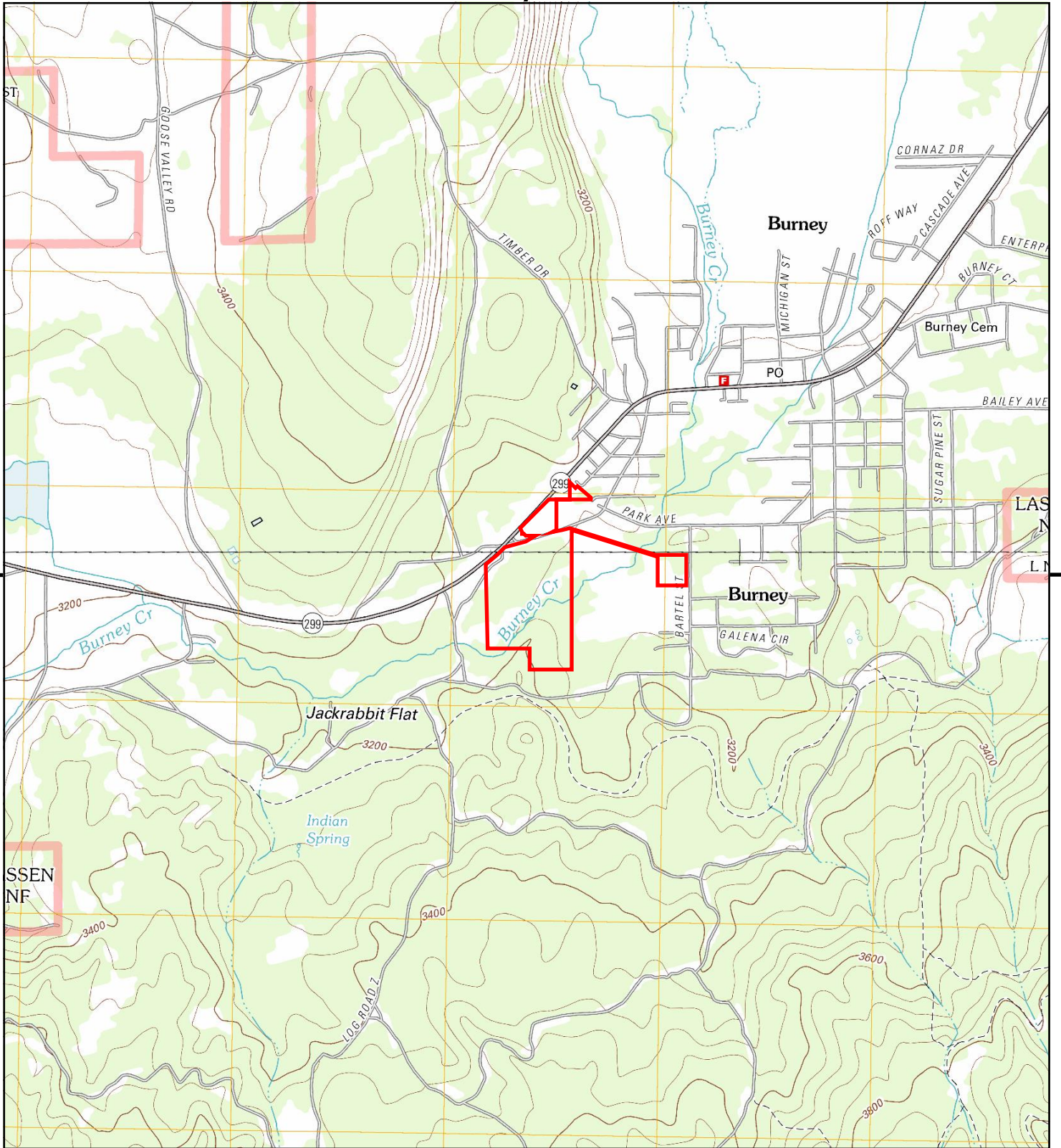


TP, Burney Mountain West, 2015, 7.5-minute  
N, Burney, 2015, 7.5-minute

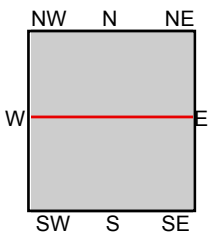
**SITE NAME:** Pit River Burney FTT  
**ADDRESS:** Oak Street  
Burney, CA 96013  
**CLIENT:** Montrose Environmental







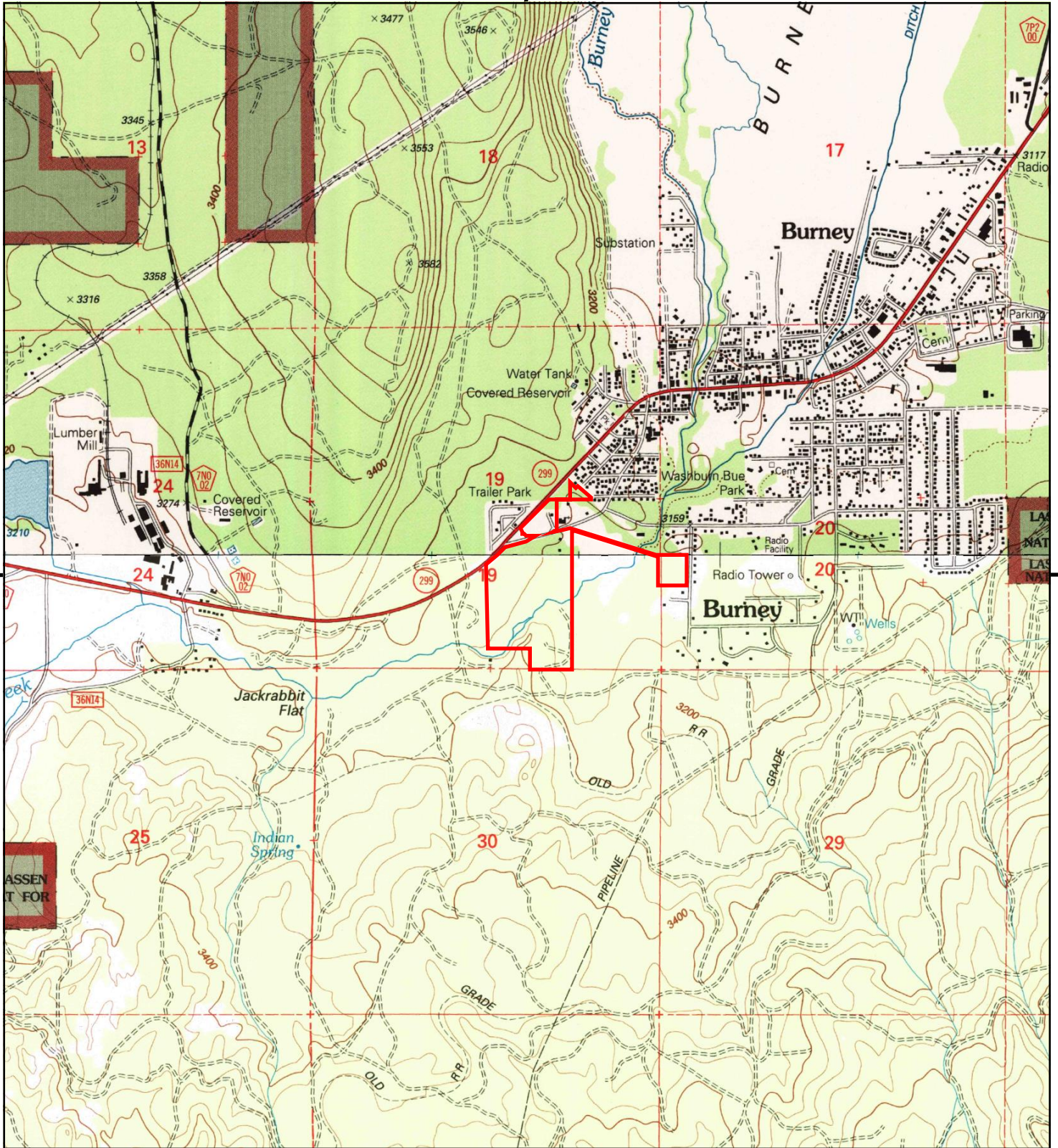
This report includes information from the following map sheet(s).



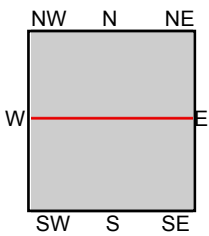
TP, Burney Mountain West, 2012, 7.5-minute  
N, Burney, 2012, 7.5-minute

**SITE NAME:** Pit River Burney FTT  
**ADDRESS:** Oak Street  
Burney, CA 96013  
**CLIENT:** Montrose Environmental





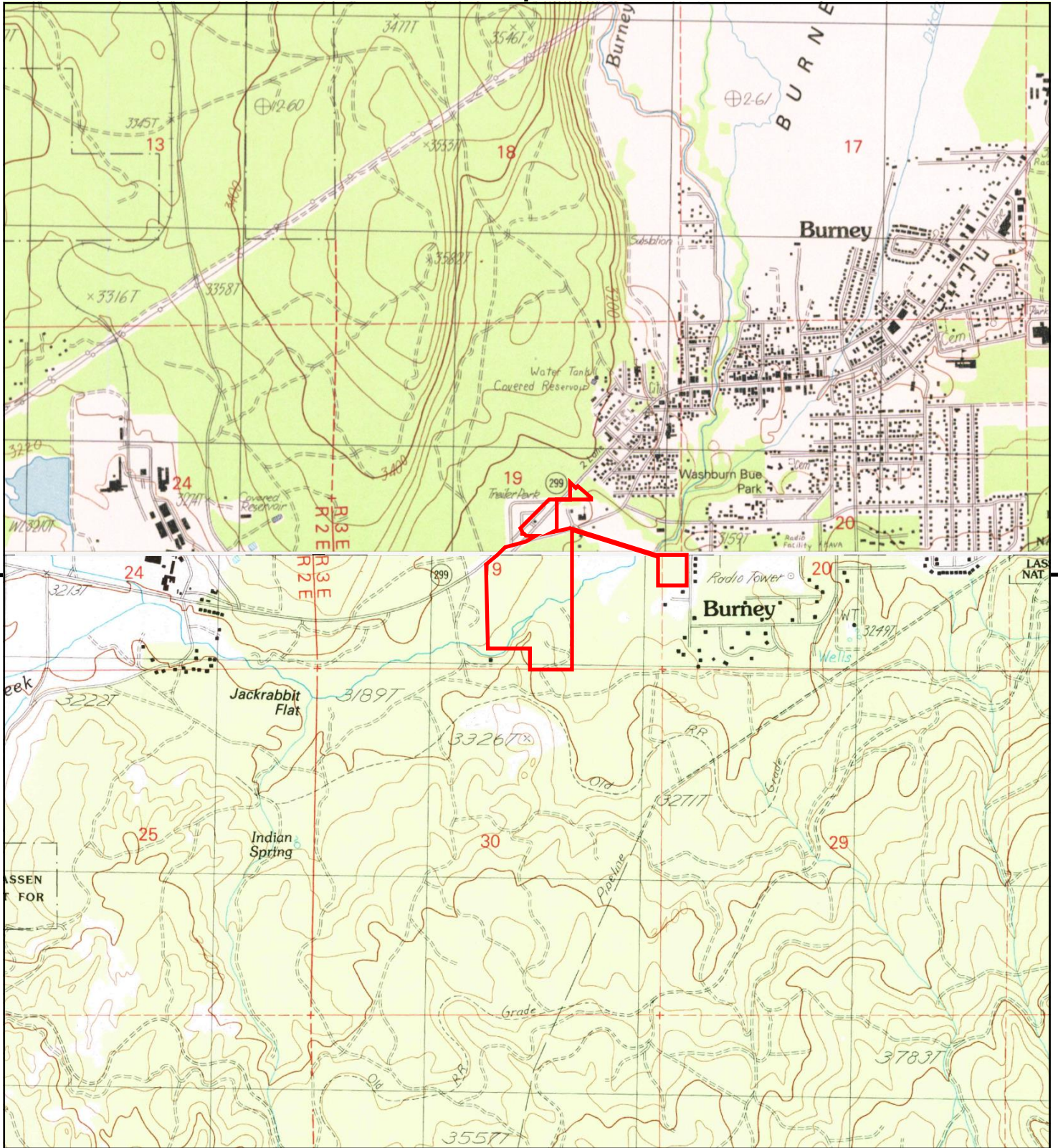
This report includes information from the following map sheet(s).



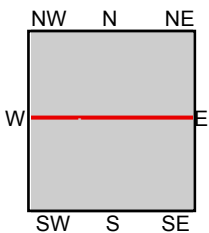
TP, Burney Mountain West, 1995, 7.5-minute  
N, Burney, 1995, 7.5-minute

**SITE NAME:** Pit River Burney FTT  
**ADDRESS:** Oak Street  
Burney, CA 96013  
**CLIENT:** Montrose Environmental





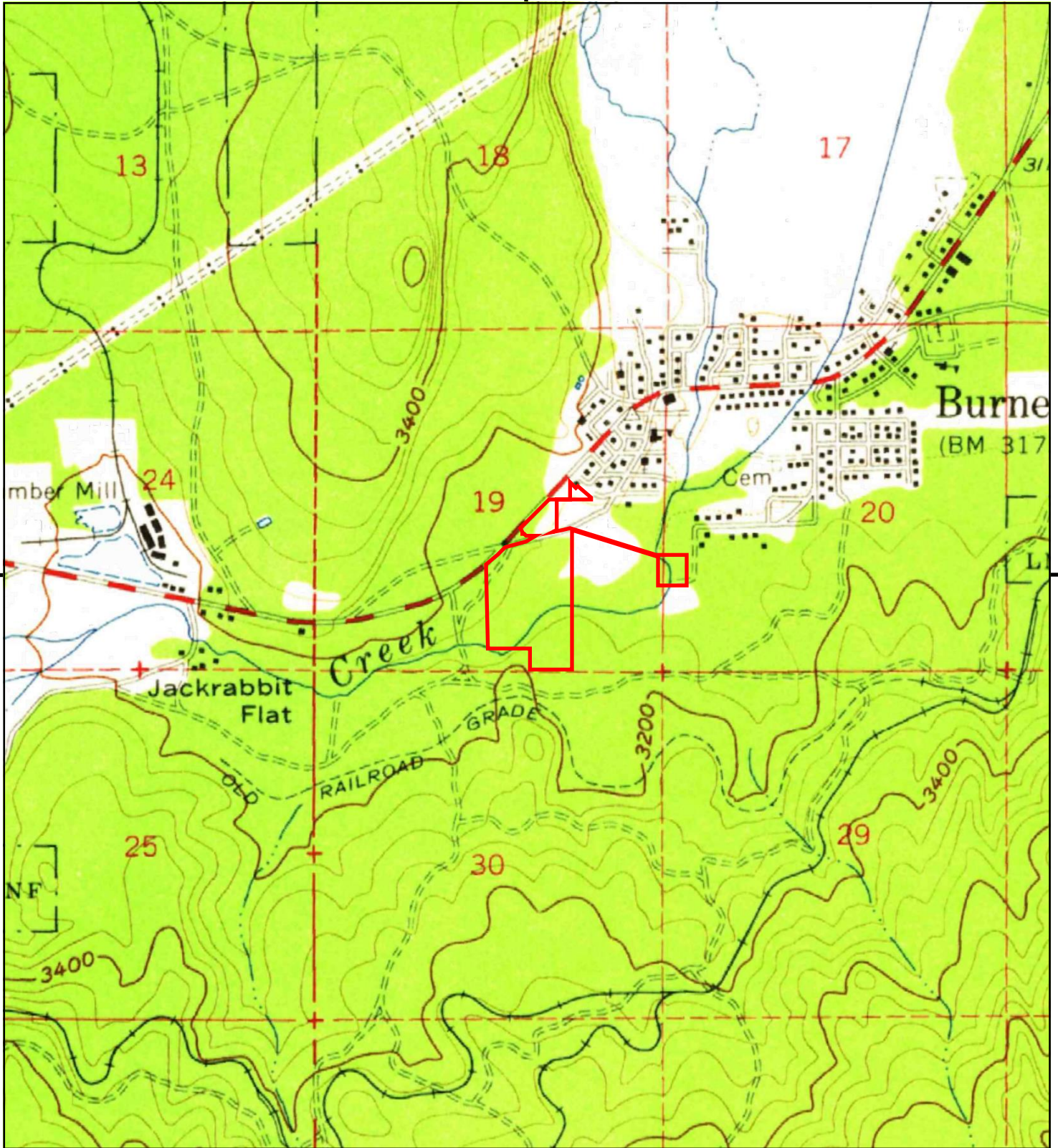
This report includes information from the following map sheet(s).



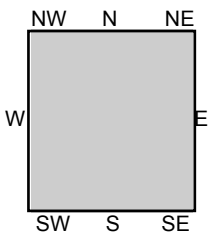
TP, Burney Mountain West, 1990, 7.5-minute  
N, BURNEY, 1990, 7.5-minute

**SITE NAME:** Pit River Burney FTT  
**ADDRESS:** Oak Street  
Burney, CA 96013  
**CLIENT:** Montrose Environmental





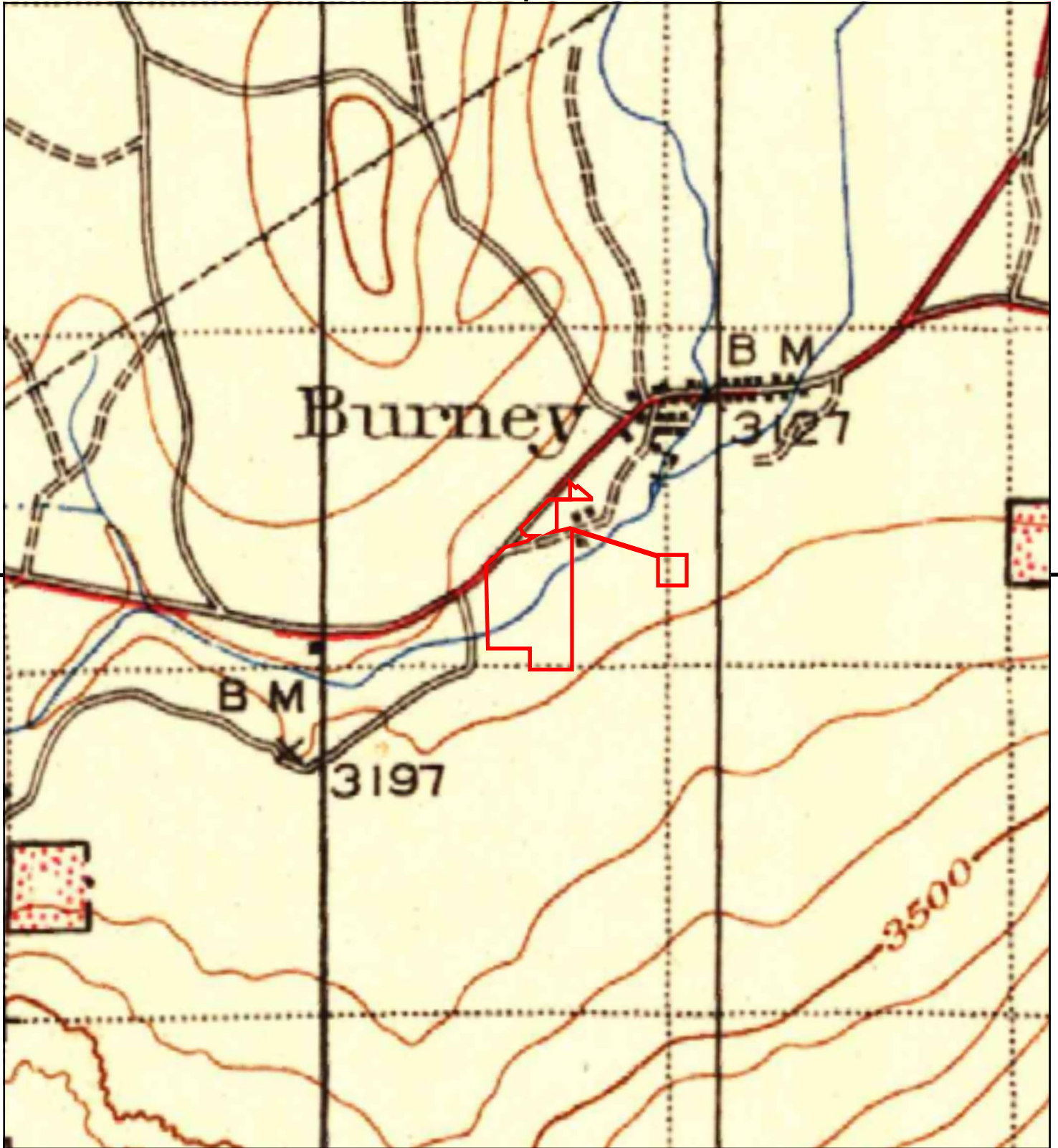
This report includes information from the following map sheet(s).



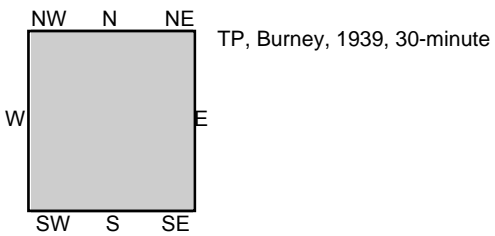
TP, Burney, 1957, 15-minute

SITE NAME: Pit River Burney FTT  
 ADDRESS: Oak Street  
 Burney, CA 96013  
 CLIENT: Montrose Environmental



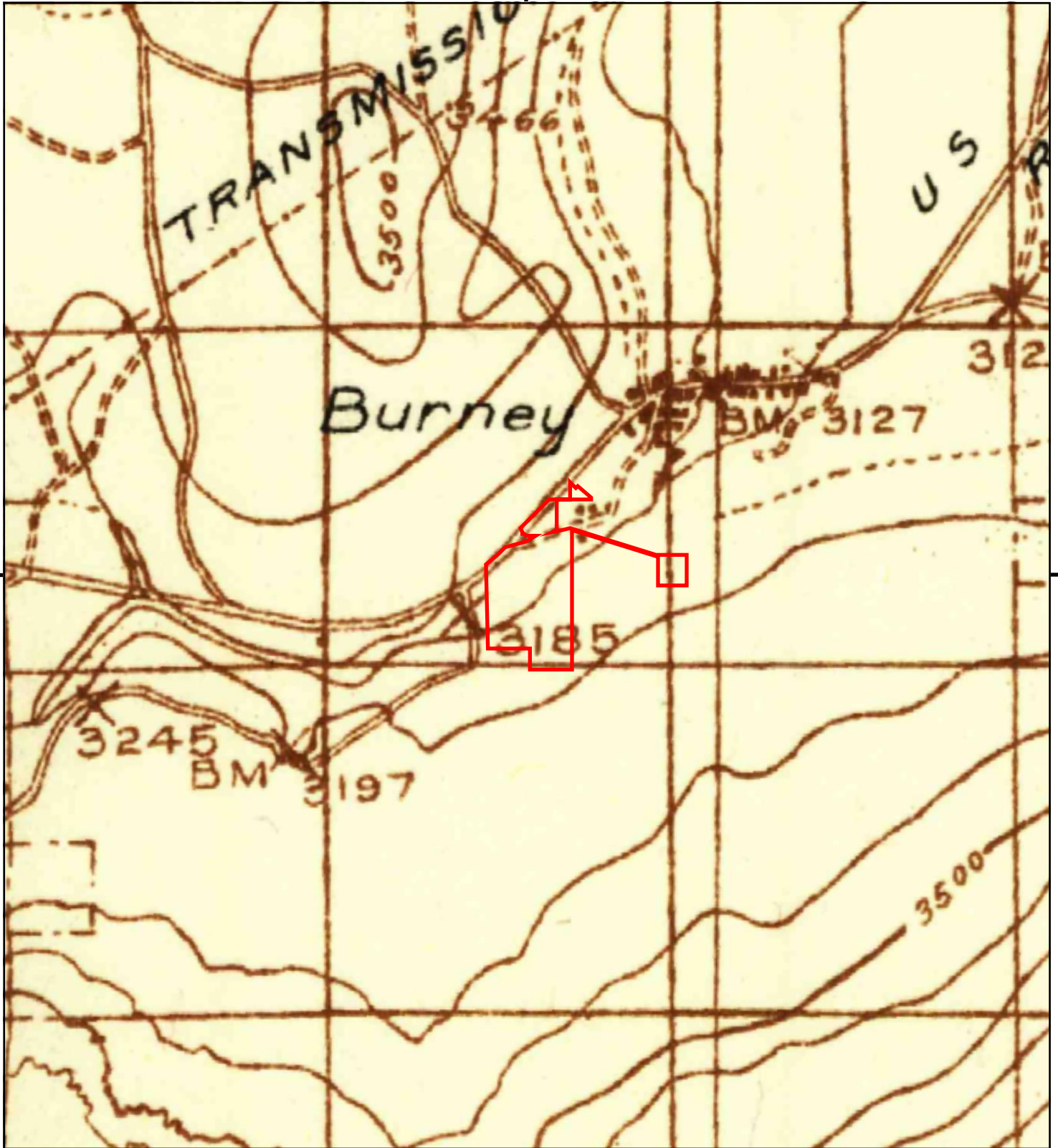


This report includes information from the following map sheet(s).

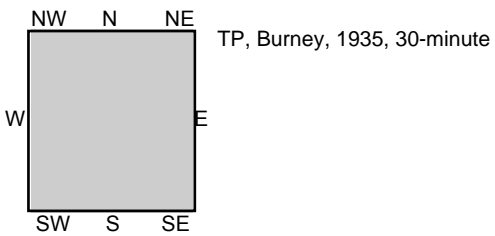


SITE NAME: Pit River Burney FTT  
ADDRESS: Oak Street  
Burney, CA 96013  
CLIENT: Montrose Environmental





This report includes information from the following map sheet(s).



SITE NAME: Pit River Burney FTT  
ADDRESS: Oak Street  
Burney, CA 96013  
CLIENT: Montrose Environmental



# ***APPENDIX C***

---

*SANBORN NO COVERAGE DOCUMENT*

Pit River Burney FTT

Oak Street

Burney, CA 96013

Inquiry Number: 7049799.3

July 12, 2022

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



# Certified Sanborn® Map Report

07/12/22

**Site Name:**

Pit River Burney FTT  
Oak Street  
Burney, CA 96013  
EDR Inquiry # 7049799.3

**Client Name:**

Montrose Environmental  
1801 7th Street  
Sacramento, CA 95811  
Contact: Charlane Gross



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Montrose Environmental 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](http://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 #** 68F2-4A62-A573  
**PO #** NA  
**Project** Pit River Burney FTT - 222518

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 68F2-4A62-A573

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

### Limited Permission To Make Copies

Montrose Environmental (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice. Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

# ***APPENDIX D***

---

*CITY DIRECTORY IMAGE REPORT*

**Pit River Burney FTT**

Oak Street  
Burney, CA 96013

Inquiry Number: 7049799.5

July 14, 2022

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### 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.

### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## 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.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.



### 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive

# FINDINGS

## TARGET PROPERTY STREET

Oak Street  
Burney, CA 96013

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### OAK

1995	pg A11	EDR Digital Archive
------	--------	---------------------

### OAK ST

2017	pg A1	EDR Digital Archive
2014	pg A3	EDR Digital Archive
2010	pg A5	EDR Digital Archive
2005	pg A7	EDR Digital Archive
2000	pg A9	EDR Digital Archive
1992	pg A13	EDR Digital Archive

## FINDINGS

### CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### TAMARACK AVE

2017	pg. A2	EDR Digital Archive
2014	pg. A4	EDR Digital Archive
2010	pg. A6	EDR Digital Archive
2005	pg. A8	EDR Digital Archive
2000	pg. A10	EDR Digital Archive
1995	pg. A12	EDR Digital Archive
1992	pg. A14	EDR Digital Archive

## **City Directory Images**



**OAK ST 2017**

36901 HOGAN, KAY  
36924 KINGSLEY, KRISTINA  
36932 LYONS, WALTER L  
36935 CHAPMAN, GEORGE F  
36963 CARROLL, ARLENE M  
36965 STRONG, CHARLES G  
36971 SCOVEL, EDWARD J  
36978 WHITTEN, DARREL D  
36984 SEHRT, WENDY J  
36985 GEMMILL, JAKE S  
36996 VASQUEZ, DOUGLAS P  
36998 PIERCE, LEE

**TAMARACK AVE 2017**

20218 GRACE COMMUNITY BIBLE CHURCH  
20220 WINKELMAN, TIM D  
20237 HAWKINS, MANDY M  
20249 WOLFIN, DOYLE D  
20258 PIT RIVER C STORE  
20265 PIT RIVER CASINO  
20294 GARWOOD, JOSEPH D  
20296 GARWOOD, STEVEN R  
20301 ELMORE, MELVIN W  
20312 CUMMINGS, TAMMY  
20343 CHAPMAN, CHERI  
SOLID ROCK FOURSQUARE CHURCH  
20375 FALL RIVER JOINT UNIFIED SCHOOL DIST  
20405 LAUGHLIN, SHELIA

**OAK ST 2014**

36901 CRONE, RONNIE D  
36923 NOEL, WRIGHT  
36932 OCCUPANT UNKNOWN,  
36935 CHAPMAN, GEORGE F  
36940 PEOPLES, BRET R  
36959 OCCUPANT UNKNOWN,  
36963 CARROLL, ARLENE M  
36965 OCCUPANT UNKNOWN,  
36971 SCOVEL, EDWARD J  
36972 WALLACE, JOHNNY  
36978 WHITTEN, DARREL D  
36984 OCCUPANT UNKNOWN,  
36985 GEMMILL, JAKE S  
36992 SEEFOTH, TONYA  
36996 BRADY, TIM  
36998 GALIZA, SHIELLA M

**TAMARACK AVE 2014**

20218 GRACE COMMUNITY BIBLE CHURCH  
20220 OCCUPANT UNKNOWN,  
20249 WOLFIN, DOYLE D  
20258 PIT RIVER C STORE  
UHAUL  
20265 PIT RIVER CASINO  
20293 WHITE, AMANDA  
20294 GARWOOD, JOSEPH D  
20296 GARWOOD, STEVEN  
20297 COVERT, TIM O  
20301 ELMORE, MELVIN W  
20312 CUMMINGS, RICHARD J  
20328 ROSE, LAILA  
20343 CHAPMAN, CHERI  
SOLID ROCK FOURSQUARE CHURCH  
20375 FALL RIVER JOINT UNIFIED SCHOOL DIST  
20405 CARTER, THOMAS

**OAK ST 2010**

36901 HOGAN, MARVAN J  
36923 WRIGHT, NOEL L  
36932 LYONS, WALTER L  
36940 OCCUPANT UNKNOWN,  
36959 METHVIN, THEODORE J  
36966 OCCUPANT UNKNOWN,  
36971 SCOVEL, EDWARD J  
36972 WALLACE, JOHNNY  
36977 OCCUPANT UNKNOWN,  
36984 SHATTUCK, MARCY I  
36985 GEMMILL, STEPHEN L  
36993 GHEEN, SHEILA J  
36996 VASQUEZ, SHERYL L  
36998 PIERCE, LEE

**TAMARACK AVE 2010**

20202 IMPACT RESOURCES SHOP

**OAK ST 2005**

36901 CHARON, URIEL  
36923 WRIGHT, NOEL L  
36927 OCCUPANT UNKNOWN,  
36932 OCCUPANT UNKNOWN,  
36935 SALLINEN, ROBERT A  
36940 PEOPLES, BRET  
36961 CLARK, GEORGE R  
36963 CARROLL, ARLENE M  
36965 STRONG, CHARLES G  
36966 ELMORE, MATTHEW W  
36971 SCOVEL, EDWARD J  
36972 WALLACE, HERMAN  
36977 OCCUPANT UNKNOWN,  
36978 WHITTEN, DARREL D  
36985 GEMMILL, STEPHEN L  
36993 OCCUPANT UNKNOWN,  
36996 VASQUEZ, SHERYL L  
36998 OCCUPANT UNKNOWN,

**TAMARACK AVE 2005**

20132 CUMMINGS, RICHARD  
20202 IMPACT RESOURCES SHOP LLC





-

**OAK ST 2000**

36901 MOSS, CAROL D  
36971 SCOVEL, EDWARD J  
36972 WALLACE, HERMAN  
36978 WHITTEN, DARREL

**TAMARACK AVE 2000**

- 20218 GRACE COMMUNITY CHURCH
- 20265 PIT RIVER CASINO
- 20343 SOLID ROCK FOURSQUARE CHURCH
- 20375 PARTNERSHIP LEARNING CENTER



-

**OAK 1995**

36971 SCOVEL, EDWARD J  
36972 WALLACE, HERMAN  
36984 WEEKS, WILLIAM  
36996 MILLER, TERRY

**TAMARACK AVE 1995**

20331 RODMAN, VERLE J  
20343 CHURCH OF THE NAZARENE  
STOCK, BILL



-

**OAK ST 1992**

36978 WHITTEN, DARREL

**TAMARACK AVE 1992**

20343 RIPP, STEVE

# ***APPENDIX E***

---

## ***ENVIRONMENTAL DATA RESOURCES (EDR) REPORT***

**Pit River Burney FTT**

Oak Street

Burney, CA 96013

Inquiry Number: 7049799.2s

July 12, 2022

# The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	9
Orphan Summary .....	43
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
Physical Setting Source Map .....	A-9
Physical Setting Source Map Findings .....	A-11
Physical Setting Source Records Searched .....	PSGR-1

***Thank you for your business.***  
 Please contact EDR at 1-800-352-0050  
 with any questions or comments.

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## 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

OAK STREET  
BURNEY, CA 96013

#### COORDINATES

Latitude (North): 40.8740330 - 40° 52' 26.51"  
Longitude (West): 121.6785440 - 121° 40' 42.75"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 611352.2  
UTM Y (Meters): 4525402.5  
Elevation: 3165 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 12014056 BURNEY MOUNTAIN WEST, CA  
Version Date: 2018  
  
North Map: 12014052 BURNEY, CA  
Version Date: 2018

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140814, 20140816  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
OAK STREET  
BURNEY, CA 96013

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">1</a>	FLETCHER FOREST PROD	20202 TAMARACK AVE	SWEEPS UST	Higher	1 ft.
<a href="#">2</a>	PIT RIVER MINI MART	20258 TAMARACK AVE.	INDIAN UST	Lower	223, 0.042, NE
<a href="#">3</a>	PIT RIVER HEALTH SER	36977 PARK AVE	RCRA NonGen / NLR	Higher	310, 0.059, ENE
<a href="#">A4</a>	KWIK MARKET	37047 MAIN ST	UST	Higher	1154, 0.219, NNE
<a href="#">A5</a>	KWIK MART BURNEY	37047 MAIN ST	LUST, Cortese, HAZNET, HWTS	Higher	1154, 0.219, NNE
<a href="#">6</a>	MITCH QUISTGARD	20017 BARTEL STREET	RCRA NonGen / NLR	Lower	1231, 0.233, ESE
<a href="#">A7</a>	FAST GAS	1667 MAIN STREET	HIST UST	Higher	1290, 0.244, NNE
<a href="#">A8</a>	BEACON SS #630 BURNE	1667 MAIN	LUST, Cortese, HIST CORTESE	Higher	1290, 0.244, NNE
<a href="#">A9</a>	KWIK MART BURNEY	37059 MAIN	HIST CORTESE	Higher	1316, 0.249, NNE
<a href="#">A10</a>	KWIK MART BURNEY	37059 MAIN ST	LUST	Higher	1316, 0.249, NNE
<a href="#">11</a>	MT BURNEY ELEMENTARY	20375 TAMARACK	LUST, Cortese, HIST CORTESE, NPDES, CIWQS	Lower	1420, 0.269, NE
<a href="#">B12</a>	TAYLOR PROPERTY HWY	37084 MAIN	LUST, Cortese, HIST CORTESE	Lower	1477, 0.280, NNE
<a href="#">B13</a>	BERNARDS	37087 MAIN ST	LUST, Cortese	Lower	1504, 0.285, NNE
<a href="#">14</a>	LOUISIANA-PACIFIC CO	HWY 89 9 MI NE OF BU	SEMS-ARCHIVE, RCRA-SQG	Lower	2589, 0.490, NE

# 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 RCRA facilities undergoing Corrective Action***

CORRACTS..... Corrective Action Report

### ***Lists of Federal RCRA TSD facilities***

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

### ***Lists of Federal RCRA generators***

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

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROLS..... Institutional Controls Sites List

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

## EXECUTIVE SUMMARY

### ***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

CPS-SLIC..... Statewide SLIC Cases

### ***Lists of state and tribal registered storage tanks***

FEMA UST..... Underground Storage Tank Listing

AST..... Aboveground Petroleum Storage Tank Facilities

### ***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

HIST Cal-Sites..... Historical Calsites Database

SCH..... School Property Evaluation Program

CDL..... Clandestine Drug Labs

## EXECUTIVE SUMMARY

Toxic Pits.....	Toxic Pits Cleanup Act Sites
CERS HAZ WASTE.....	CERS HAZ WASTE
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**

CERS TANKS.....	California Environmental Reporting System (CERS) 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
UMTRA.....	Uranium Mill Tailings Sites

## EXECUTIVE SUMMARY

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
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EML.....	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
-------------	--

# 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 CERCLA sites with NFRAP***

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

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/27/2022 has revealed that there is 1 SEMS-ARCHIVE 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>
<b><i>LOUISIANA-PACIFIC CO</i></b> Site ID: 0901658 EPA Id: CAD089924633	<b><i>HWY 89 9 MI NE OF BU</i></b>	<b><i>NE 1/4 - 1/2 (0.490 mi.)</i></b>	<b><i>14</i></b>	<b><i>39</i></b>

### ***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 6 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>
<b><i>KWIK MART BURNEY</i></b> Database: LUST, Date of Government Version: 05/23/2022	<b><i>37047 MAIN ST</i></b>	<b><i>NNE 1/8 - 1/4 (0.219 mi.)</i></b>	<b><i>A5</i></b>	<b><i>13</i></b>



## EXECUTIVE SUMMARY

Status: Completed - Case Closed  
Global Id: T0608900063

<b>BEACON SS #630 BURNE</b> Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Status: Case Closed Global Id: T0608900168	<b>1667 MAIN</b>	<b>NNE 1/8 - 1/4 (0.244 mi.)</b>	<b>A8</b>	<b>21</b>
---	------------------	----------------------------------	-----------	-----------

KWIK MART BURNEY Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Case Closed	37059 MAIN ST	NNE 1/8 - 1/4 (0.249 mi.)	A10	23
---	---------------	---------------------------	-----	----

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MT BURNEY ELEMENTARY</b> Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Status: Case Closed Global Id: T0608900125	<b>20375 TAMARACK</b>	<b>NE 1/4 - 1/2 (0.269 mi.)</b>	<b>11</b>	<b>24</b>
<b>TAYLOR PROPERTY HWY</b> Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Status: Pollution Characterization Global Id: T0608900267	<b>37084 MAIN</b>	<b>NNE 1/4 - 1/2 (0.280 mi.)</b>	<b>B12</b>	<b>30</b>
<b>BERNARDS</b> Database: LUST, Date of Government Version: 05/23/2022 Status: Open - Site Assessment Global Id: T0608900072	<b>37087 MAIN ST</b>	<b>NNE 1/4 - 1/2 (0.285 mi.)</b>	<b>B13</b>	<b>34</b>

### ***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>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KWIK MARKET Database: UST, Date of Government Version: 03/07/2022 Facility Id: 188	37047 MAIN ST	NNE 1/8 - 1/4 (0.219 mi.)	A4	13

## EXECUTIVE SUMMARY

INDIAN UST: A listing of underground storage tank locations on Indian Land.

A review of the INDIAN UST list, as provided by EDR, has revealed that there is 1 INDIAN 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>
PIT RIVER MINI MART Database: INDIAN UST R9, Date of Government Version: 10/12/2021 Alternate Facility ID: PIT001 Tank Status: Currently in Use	20258 TAMARACK AVE.	NE 0 - 1/8 (0.042 mi.)	2	9

### ADDITIONAL ENVIRONMENTAL RECORDS

#### ***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 is 1 SWEEPS UST site 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>
FLETCHER FOREST PROD Status: A Tank Status: A Comp Number: 145	20202 TAMARACK AVE	0 - 1/8 (0.000 mi.)	1	9

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 is 1 HIST UST site 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>
FAST GAS Facility Id: 00000013890	1667 MAIN STREET	NNE 1/8 - 1/4 (0.244 mi.)	A7	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 06/20/2022 has revealed that

## EXECUTIVE SUMMARY

there are 2 RCRA NonGen / NLR 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>
PIT RIVER HEALTH SER EPA ID:: CAL000405749	36977 PARK AVE	ENE 0 - 1/8 (0.059 mi.)	3	11

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MITCH QUISTGARD EPA ID:: CAC002986054	20017 BARTEL STREET	ESE 1/8 - 1/4 (0.233 mi.)	6	17

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 03/21/2022 has revealed that there are 5 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>
<b>KWIK MART BURNEY</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>37047 MAIN ST</b>	<b>NNE 1/8 - 1/4 (0.219 mi.)</b>	<b>A5</b>	<b>13</b>
<b>BEACON SS #630 BURNE</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>1667 MAIN</b>	<b>NNE 1/8 - 1/4 (0.244 mi.)</b>	<b>A8</b>	<b>21</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MT BURNEY ELEMENTARY</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>20375 TAMARACK</b>	<b>NE 1/4 - 1/2 (0.269 mi.)</b>	<b>11</b>	<b>24</b>
<b>TAYLOR PROPERTY HWY</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>37084 MAIN</b>	<b>NNE 1/4 - 1/2 (0.280 mi.)</b>	<b>B12</b>	<b>30</b>
<b>BERNARDS</b> Cleanup Status: OPEN - SITE ASSESSMENT	<b>37087 MAIN ST</b>	<b>NNE 1/4 - 1/2 (0.285 mi.)</b>	<b>B13</b>	<b>34</b>

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 [CAL SITES]. 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 4 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>
<b>BEACON SS #630 BURNE</b> Reg Id: 450172	<b>1667 MAIN</b>	<b>NNE 1/8 - 1/4 (0.244 mi.)</b>	<b>A8</b>	<b>21</b>
KWIK MART BURNEY Reg Id: 450063	37059 MAIN	NNE 1/8 - 1/4 (0.249 mi.)	A9	23

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MT BURNEY ELEMENTARY</b> Reg Id: 450126	<b>20375 TAMARACK</b>	<b>NE 1/4 - 1/2 (0.269 mi.)</b>	<b>11</b>	<b>24</b>
<b>TAYLOR PROPERTY HWY</b>	<b>37084 MAIN</b>	<b>NNE 1/4 - 1/2 (0.280 mi.)</b>	<b>B12</b>	<b>30</b>

## EXECUTIVE SUMMARY

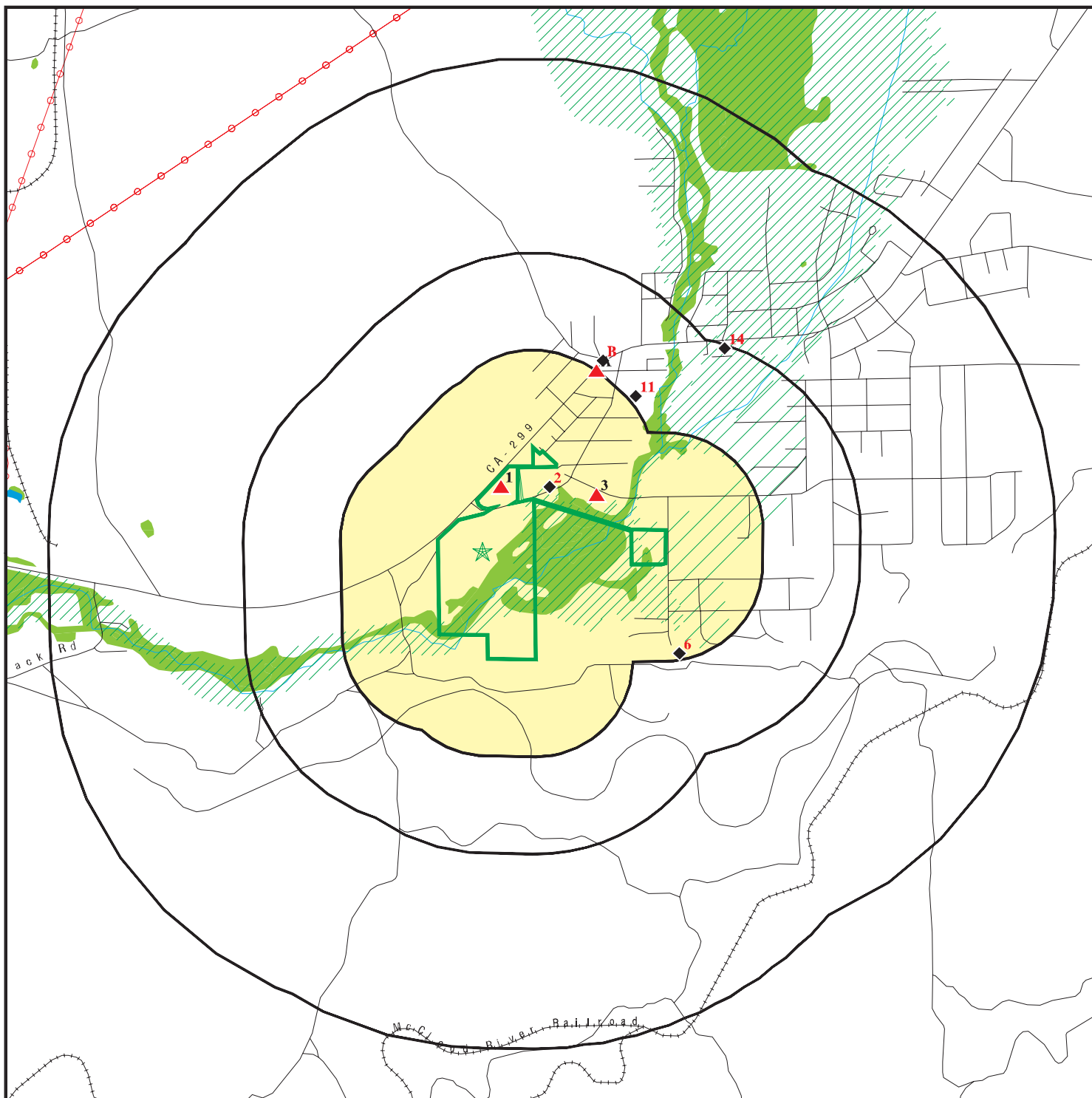
Reg Id: 450273

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
SHASTA CO SHERIFF BURNEY	LUST, HIST CORTESE CDL
SIERRA PACIFIC INDUSTRIES, BURNEY	ENVIROSTOR

# OVERVIEW MAP - 7049799.2S



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

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

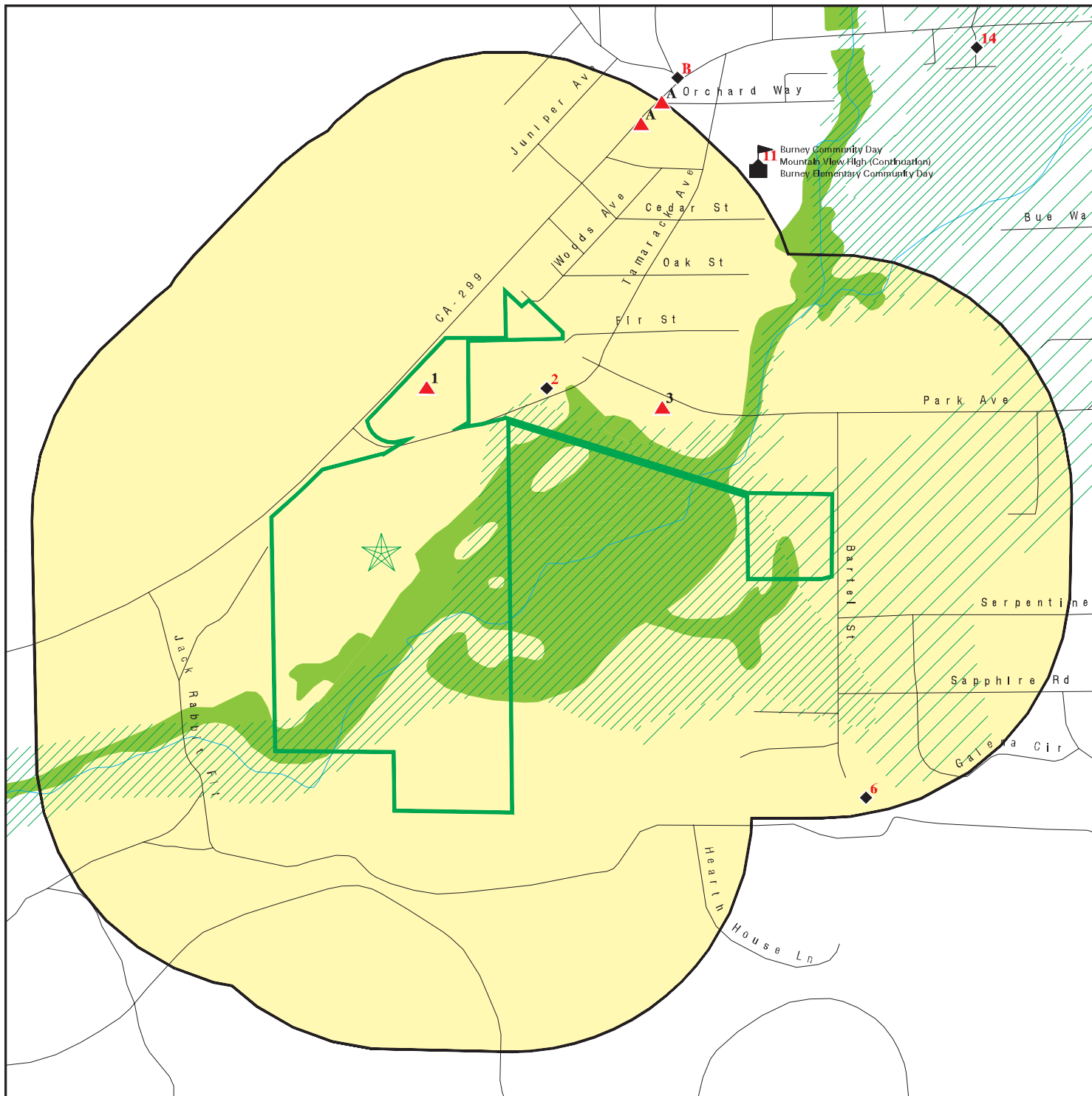






This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.







SITE NAME: Pit River Burney FTT  
 ADDRESS: Oak Street  
 Burney CA 96013  
 LAT/LONG: 40.874033 / 121.678544

CLIENT: Montrose Environmental  
 CONTACT: Charlane Gross  
 INQUIRY #: 7049799.2s  
 DATE: July 12, 2022 12:15 pm

# DETAIL MAP - 7049799.2S



-  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

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: Pit River Burney FTT  
 ADDRESS: Oak Street  
 Burney CA 96013  
 LAT/LONG: 40.874033 / 121.678544

CLIENT: Montrose Environmental  
 CONTACT: Charlane Gross  
 INQUIRY #: 7049799.2s  
 DATE: July 12, 2022 12:18 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Lists of Federal NPL (Superfund) sites</i></b>								
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
<b><i>Lists of Federal Delisted NPL sites</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Lists of Federal CERCLA sites with NFRAP</i></b>								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
<b><i>Lists of Federal RCRA facilities undergoing Corrective Action</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Lists of Federal RCRA TSD facilities</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Lists of Federal RCRA generators</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
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
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>Lists of state- and tribal (Superfund) equivalent sites</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>Lists of state- and tribal hazardous waste facilities</i></b>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<b><i>Lists of state and tribal landfills and solid waste disposal facilities</i></b>								
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
<b><i>Lists of state and tribal leaking storage tanks</i></b>								
LUST	0.500		0	3	3	NR	NR	6
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<b><i>Lists of state and tribal registered storage tanks</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		1	0	NR	NR	NR	1
<b><i>Lists of state and tribal voluntary cleanup sites</i></b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b><i>Lists of state and tribal brownfield sites</i></b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
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
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Registered Storage Tanks</i></b>								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		0	1	NR	NR	NR	1
CERS TANKS	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
CA FID UST	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		1	1	NR	NR	NR	2
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0



## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 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 FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**1**                    **FLETCHER FOREST PRODUCTS INC.**                    **SWEEPS UST**                    **S106926259**  
**20202 TAMARACK AVE**                    **N/A**  
**< 1/8**                    **BURNEY, CA 96013**  
**1 ft.**

**Relative:**  
**Higher**  
**Actual:**  
**3171 ft.**

**SWEEPS UST:**

Name: FLETCHER FOREST PRODUCTS INC.  
Address: 20202 TAMARACK AVE  
City: BURNEY  
Status: Active  
Comp Number: 145  
Number: 1  
Board Of Equalization: Not reported  
Referral Date: 08-14-90  
Action Date: 08-14-90  
Created Date: 08-14-90  
Owner Tank Id: 1  
SWRCB Tank Id: 45-000-000145-000001  
Tank Status: A  
Capacity: 5000  
Active Date: 08-14-90  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: 2

Name: FLETCHER FOREST PRODUCTS INC.  
Address: 20202 TAMARACK AVE  
City: BURNEY  
Status: Active  
Comp Number: 145  
Number: 1  
Board Of Equalization: Not reported  
Referral Date: 08-14-90  
Action Date: 08-14-90  
Created Date: 08-14-90  
Owner Tank Id: 2  
SWRCB Tank Id: 45-000-000145-000002  
Tank Status: A  
Capacity: 5000  
Active Date: 08-14-90  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

**2**                    **PIT RIVER MINI MART**                    **INDIAN UST**                    **1018163524**  
**NE**                    **20258 TAMARACK AVE.**                    **N/A**  
**< 1/8**                    **BURNEY, CA 96013**  
**0.042 mi.**  
**223 ft.**

**Relative:**  
**Lower**  
**Actual:**  
**3159 ft.**

**Indian UST:**

Region: 9  
Alternate Facility ID: PIT001  
Facility Name2: Pit River Mini Mart  
Tank ID: 1  
Tank Status: Currently in Use  
Status Date: 1-Nov-11  
Substance Description: Gasoline (containing <=10% ethanol)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PIT RIVER MINI MART (Continued)**

**1018163524**

Tribe: Pit River Tribe, California (includes XL Ranch, Bi  
Name: PIT RIVER MINI MART  
Address: 20258 TAMARACK AVE.  
City,State,Zip: BURNEY, CA 96013  
Facility County: Not reported  
Facility Telephone: -  
Overfill installed: Not reported  
Spill installed: Not reported  
Date installed: 2011-11-01 00:00:00  
Federally Regulated Tank: True  
Land Status: Indian Land  
Tank Capacity: 20000  
Latitude: 40.876472  
Longitude: -121.675444

Region: 9  
Alternate Facility ID: PIT001  
Facility Name2: Pit River Mini Mart  
Tank ID: 3  
Tank Status: Currently in Use  
Status Date: 1-Nov-11  
Substance Description: Gasoline (containing <=10% ethanol)  
Tribe: Pit River Tribe, California (includes XL Ranch, Bi  
Name: PIT RIVER MINI MART  
Address: 20258 TAMARACK AVE.  
City,State,Zip: BURNEY, CA 96013  
Facility County: Not reported  
Facility Telephone: -  
Overfill installed: Not reported  
Spill installed: Not reported  
Date installed: 2011-11-01 00:00:00  
Federally Regulated Tank: True  
Land Status: Indian Land  
Tank Capacity: 8000  
Latitude: 40.876472  
Longitude: -121.675444

Region: 9  
Alternate Facility ID: PIT001  
Facility Name2: Pit River Mini Mart  
Tank ID: 2  
Tank Status: Currently in Use  
Status Date: 1-Nov-11  
Substance Description: Diesel  
Tribe: Pit River Tribe, California (includes XL Ranch, Bi  
Name: PIT RIVER MINI MART  
Address: 20258 TAMARACK AVE.  
City,State,Zip: BURNEY, CA 96013  
Facility County: Not reported  
Facility Telephone: -  
Overfill installed: Not reported  
Spill installed: Not reported  
Date installed: 2011-11-01 00:00:00  
Federally Regulated Tank: True  
Land Status: Indian Land  
Tank Capacity: 12000  
Latitude: 40.876472

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PIT RIVER MINI MART (Continued)**

**1018163524**

Longitude: -121.675444

**3**  
**ENE**  
**< 1/8**  
**0.059 mi.**  
**310 ft.**

**PIT RIVER HEALTH SERVICE INC**  
**36977 PARK AVE**  
**BURNEY, CA 96013**

**RCRA NonGen / NLR**

**1024849278**  
**CAL000405749**

**Relative:**  
**Higher**  
**Actual:**  
**3165 ft.**

RCRA NonGen / NLR:	
Date Form Received by Agency:	20150402
Handler Name:	PIT RIVER HEALTH SERVICE INC
Handler Address:	36977 PARK AVE
Handler City,State,Zip:	BURNEY, CA 96013
EPA ID:	CAL000405749
Contact Name:	KAREN TONEYS CLINIC MGR
Contact Address:	36977 PARK AVE
Contact City,State,Zip:	BURNEY, CA 96013
Contact Telephone:	530-335-3651
Contact Fax:	530-335-3221
Contact Email:	KARENT@PITRIVERHEALTHSERVICE.ORG
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
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	36977 PARK AVE
Mailing City,State,Zip:	BURNEY, CA 96013
Owner Name:	PIT RIVER HEALTH SERVICE INC
Owner Type:	Other
Operator Name:	KAREN TONEYS CLINIC MGR
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PIT RIVER HEALTH SERVICE INC (Continued)**

**1024849278**

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:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KAREN TONEYS CLINIC MGR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	36977 PARK AVE
Owner/Operator City,State,Zip:	BURNEY, CA 96013
Owner/Operator Telephone:	530-335-3651
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PIT RIVER HEALTH SERVICE INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	36977 PARK AVE
Owner/Operator City,State,Zip:	BURNEY, CA 96013
Owner/Operator Telephone:	530-335-3651
Owner/Operator Telephone Ext:	Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PIT RIVER HEALTH SERVICE INC (Continued)**

**1024849278**

Owner/Operator Fax: Not reported  
 Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20150402  
 Handler Name: PIT RIVER HEALTH SERVICE 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: 56299  
 NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**A4  
 NNE  
 1/8-1/4  
 0.219 mi.  
 1154 ft.**

**KWIK MARKET  
 37047 MAIN ST  
 BURNEY, CA 96013  
 Site 1 of 6 in cluster A**

**UST U004049239  
 N/A**

**Relative:  
 Higher  
 Actual:  
 3174 ft.**

UST:  
 Name: KWIK MARKET  
 Address: 37047 MAIN ST  
 City,State,Zip: BURNEY, CA 96013  
 Facility ID: 188  
 Permitting Agency: SHASTA COUNTY  
 CERSID: Not reported  
 Latitude: 40.88051  
 Longitude: -121.67342

**A5  
 NNE  
 1/8-1/4  
 0.219 mi.  
 1154 ft.**

**KWIK MART BURNEY  
 37047 MAIN ST  
 BURNEY, CA 96013  
 Site 2 of 6 in cluster A**

**LUST S112892975  
 Cortese N/A  
 HAZNET  
 HWTS**

**Relative:  
 Higher  
 Actual:  
 3174 ft.**

LUST:  
 Name: KWIK MART BURNEY  
 Address: 37047 MAIN ST  
 City,State,Zip: BURNEY, CA 96013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KWIK MART BURNEY (Continued)**

**S112892975**

Lead Agency: CENTRAL VALLEY RWQCB (REGION 5R)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0608900063](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608900063)  
Global Id: T0608900063  
Latitude: 40.8815747311461  
Longitude: -121.668370820099  
Status: Completed - Case Closed  
Status Date: 09/15/2014  
Case Worker: Not reported  
RB Case Number: 450063  
Local Agency: SHASTA COUNTY  
File Location: Not reported  
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: T0608900063  
Contact Type: Local Agency Caseworker  
Contact Name: MARK CRAMER  
Organization Name: SHASTA COUNTY  
Address: 1855 PLACER STREET  
City: REDDING  
Email: [mcramer@co.shasta.ca.us](mailto:mcramer@co.shasta.ca.us)  
Phone Number: Not reported

Global Id: T0608900063  
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: T0608900063  
Action Type: ENFORCEMENT  
Date: 03/24/1998  
Action: Closure/No Further Action Letter

Global Id: T0608900063  
Action Type: Other  
Date: 10/11/1990  
Action: Leak Stopped

Global Id: T0608900063  
Action Type: Other  
Date: 10/11/1990  
Action: Leak Discovery

Global Id: T0608900063  
Action Type: ENFORCEMENT  
Date: 09/11/2014  
Action: Closure/No Further Action Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KWIK MART BURNEY (Continued)**

**S112892975**

Global Id: T0608900063  
Action Type: Other  
Date: 10/10/1990  
Action: Leak Reported

**LUST:**

Global Id: T0608900063  
Status: Open - Case Begin Date  
Status Date: 10/10/1990

Global Id: T0608900063  
Status: Open - Site Assessment  
Status Date: 10/25/1990

Global Id: T0608900063  
Status: Open - Site Assessment  
Status Date: 10/15/1993

Global Id: T0608900063  
Status: Open - Site Assessment  
Status Date: 02/28/1994

Global Id: T0608900063  
Status: Completed - Case Closed  
Status Date: 03/24/1998

Global Id: T0608900063  
Status: Open - Reopen Case  
Status Date: 08/19/2014

Global Id: T0608900063  
Status: Open - Site Assessment  
Status Date: 08/19/2014

Global Id: T0608900063  
Status: Completed - Case Closed  
Status Date: 09/15/2014

**CORTESE:**

Name: KWIK MART BURNEY  
Address: 37047 MAIN ST  
City,State,Zip: BURNEY, CA 96013  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0608900063  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KWIK MART BURNEY (Continued)**

**S112892975**

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

**HAZNET:**

Name: KWIK MART STORES,INC  
Address: 37047 MAIN ST  
Address 2: Not reported  
City,State,Zip: BURNEY, CA 960130000  
Contact: GREG JONES/PRES  
Telephone: 5303354447  
Mailing Name: Not reported  
Mailing Address: 37047 MAIN ST  
  
Year: 1998  
Gepaid: CAC001463696  
TSD EPA ID: CAD000088252  
CA Waste Code: 223 - Unspecified oil-containing waste  
Disposal Method: H01 - Transfer Station  
Tons: 0.225

**Additional Info:**

Year: 1998  
Gen EPA ID: CAC001463696  
  
Shipment Date: 19980629  
Creation Date: 9/3/1998 0:00:00  
Receipt Date: 19980701  
Manifest ID: 98091559  
Trans EPA ID: CAD980694103  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSD EPA ID: CAD000088252  
Trans Name: Not reported  
TSD EPA ID: Not reported  
TSD EPA Name: Not reported  
Waste Code Description: 223 - Unspecified oil-containing waste  
RCRA Code: Not reported  
Meth Code: H01 - Transfer Station  
Quantity Tons: 0.225  
Waste Quantity: 450  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KWIK MART BURNEY (Continued)**

**S112892975**

**HWTS:**

Name: KWIK MART STORES,INC  
Address: 37047 MAIN ST  
Address 2: Not reported  
City,State,Zip: BURNEY, CA 96013  
EPA ID: CAC001463696  
Inactive Date: 10/25/2000  
Create Date: 06/22/1998  
Last Act Date: Not reported  
Mailing Name: Not reported  
Mailing Address: 37047 MAIN ST  
Mailing Address 2: Not reported  
Mailing City,State,Zip: BURNEY, CA 960130000  
Owner Name: KWIK MART STORES,INC  
Owner Address: 37047 MAIN ST  
Owner Address 2: Not reported  
Owner City,State,Zip: BURNEY, CA 960130000  
Contact Name: GREG JONES/PRES  
Contact Address: 37047 MAIN ST  
Contact Address 2: Not reported  
City,State,Zip: BURNEY, CA 960130000  
Facility Status: Inactive  
Facility Type: TEMPORARY  
Category: STATE  
Latitude: 40.877847  
Longitude: -121.677009

**6**  
**ESE**  
**1/8-1/4**  
**0.233 mi.**  
**1231 ft.**

**MITCH QUISTGARD**  
**20017 BARTEL STREET**  
**BURNEY, CA 96013**

**RCRA NonGen / NLR** **1024766185**  
**CAC002986054**

**Relative:**  
**Lower**  
**Actual:**  
**3163 ft.**

RCRA NonGen / NLR:  
Date Form Received by Agency: 20181023  
Handler Name: MITCH QUISTGARD  
Handler Address: 20017 BARTEL STREET  
Handler City,State,Zip: BURNEY, CA 96013  
EPA ID: CAC002986054  
Contact Name: MITCH QUISTGARD  
Contact Address: 819 W. CITRON STREET  
Contact City,State,Zip: CORONA, CA 92882  
Contact Telephone: 909-731-9838  
Contact Fax: Not reported  
Contact Email: MIP2Q3@AOL.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  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 819 W. CITRON STREET  
Mailing City,State,Zip: CORONA, CA 92882

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MITCH QUISTGARD (Continued)**

**1024766185**

Owner Name:	MITCH QUISTGARD
Owner Type:	Other
Operator Name:	MITCH QUISTGARD
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:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MITCH QUISTGARD (Continued)**

**1024766185**

Manifest Broker: No  
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Owner  
Owner/Operator Name: MITCH QUISTGARD  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 819 W. CITRON STREET  
Owner/Operator City,State,Zip: CORONA, CA 92882  
Owner/Operator Telephone: 909-731-9838  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: MITCH QUISTGARD  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 819 W. CITRON STREET  
Owner/Operator City,State,Zip: CORONA, CA 92882  
Owner/Operator Telephone: 909-731-9838  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20181023  
Handler Name: MITCH QUISTGARD  
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: 56299  
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A7**  
**NNE**  
**1/8-1/4**  
**0.244 mi.**  
**1290 ft.**  
**FAST GAS**  
**1667 MAIN STREET**  
**BURNEY, CA 96013**  
**Site 3 of 6 in cluster A**

**HIST UST** **U001618821**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**3169 ft.**

**HIST UST:**  
Name: FAST GAS  
Address: 1667 MAIN STREET  
City,State,Zip: BURNEY, CA 96013  
File Number: 00020E77  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020E77.pdf>  
Region: STATE  
Facility ID: 00000013890  
Facility Type: Gas Station  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: 9163354983  
Owner Name: KAYO OIL COMPANY  
Owner Address: 1221 E. MAIN STREET  
Owner City,St,Zip: CHATTANOOGA, TN 37408  
Total Tanks: 0003

Tank Num: 001  
Container Num: 1  
Year Installed: 1972  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor, Pressure Test

Tank Num: 002  
Container Num: 2  
Year Installed: 1972  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor, Pressure Test

Tank Num: 003  
Container Num: 3  
Year Installed: 1972  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor, Pressure Test

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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A8** BEACON SS #630 BURNEY  
**NNE** 1667 MAIN  
**1/8-1/4** BURNEY, CA 96013  
**0.244 mi.**  
**1290 ft.** Site 4 of 6 in cluster A

**LUST** S102425089  
**Cortese** N/A  
**HIST CORTESE**

**Relative:**  
**Higher**  
**Actual:**  
**3169 ft.**

**LUST:**  
Name: BEACON #630 (FORMER)  
Address: 1667 MAIN ST  
City,State,Zip: BURNEY, CA 96013  
Lead Agency: SHASTA COUNTY  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0608900168](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608900168)  
Global Id: T0608900168  
Latitude: 40.880819  
Longitude: -121.67308  
Status: Completed - Case Closed  
Status Date: 07/14/1994  
Case Worker: NS  
RB Case Number: 450172  
Local Agency: SHASTA COUNTY  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST:**  
Global Id: T0608900168  
Contact Type: Local Agency Caseworker  
Contact Name: NEIL SULLIVAN  
Organization Name: SHASTA COUNTY  
Address: 1855 PLACER ST.  
City: REDDING  
Email: nsullivan@co.shasta.ca.us  
Phone Number: 5302255405  
  
Global Id: T0608900168  
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: T0608900168  
Action Type: ENFORCEMENT  
Date: 07/14/1994  
Action: Closure/No Further Action Letter  
  
Global Id: T0608900168  
Action Type: Other  
Date: 01/12/1994  
Action: Leak Stopped  
  
Global Id: T0608900168  
Action Type: Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON SS #630 BURNEY (Continued)**

**S102425089**

Date: 01/12/1994  
Action: Leak Discovery

Global Id: T0608900168  
Action Type: Other  
Date: 07/12/1994  
Action: Leak Reported

**LUST:**

Global Id: T0608900168  
Status: Open - Case Begin Date  
Status Date: 01/12/1994

Global Id: T0608900168  
Status: Open - Site Assessment  
Status Date: 01/12/1994

Global Id: T0608900168  
Status: Completed - Case Closed  
Status Date: 07/14/1994

**LUST REG 5:**

Name: BEACON SS #630 BURNEY  
Address: 1667 MAIN ST  
City: BURNEY  
Region: 5  
Status: Case Closed  
Case Number: 450172  
Case Type: Soil only  
Substance: GASOLINE  
Staff Initials: CMB  
Lead Agency: Local  
Program: LUST  
MTBE Code: N/A

**CORTESE:**

Name: BEACON #630 (FORMER)  
Address: 1667 MAIN ST  
City,State,Zip: BURNEY, CA 96013  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0608900168  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON SS #630 BURNEY (Continued)**

**S102425089**

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: BEACON SS #630 BURNEY  
edr\_fadd1: 1667 MAIN  
City,State,Zip: BURNEY, CA 96013  
Region: CORTESE  
Facility County Code: 45  
Reg By: LTNKA  
Reg Id: 450172

**A9  
NNE  
1/8-1/4  
0.249 mi.  
1316 ft.**

**KWIK MART BURNEY  
37059 MAIN  
BURNEY, CA 96013**

**HIST CORTESE S103065653  
N/A**

**Site 5 of 6 in cluster A**

**Relative:  
Higher  
Actual:  
3167 ft.**

**HIST CORTESE:**  
edr\_fname: KWIK MART BURNEY  
edr\_fadd1: 37059 MAIN  
City,State,Zip: BURNEY, CA 96013  
Region: CORTESE  
Facility County Code: 45  
Reg By: LTNKA  
Reg Id: 450063

**A10  
NNE  
1/8-1/4  
0.249 mi.  
1316 ft.**

**KWIK MART BURNEY  
37059 MAIN ST  
BURNEY, CA 96013**

**LUST S101304490  
N/A**

**Site 6 of 6 in cluster A**

**Relative:  
Higher  
Actual:  
3167 ft.**

**LUST REG 5:**  
Name: KWIK MART BURNEY  
Address: 37059 MAIN ST  
City: BURNEY  
Region: 5  
Status: Case Closed  
Case Number: 450063  
Case Type: Drinking Water Aquifer affected  
Substance: GASOLINE  
Staff Initials: CMB  
Lead Agency: Regional  
Program: LUST  
MTBE Code: 4

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

11  
 NE  
 1/4-1/2  
 0.269 mi.  
 1420 ft.

**MT BURNEY ELEMENTARY SCHO**  
**20375 TAMARACK**  
**BURNEY, CA 96013**

**LUST** S102434035  
**Cortese** N/A  
**HIST CORTESE**  
**NPDES**  
**CIWQS**

**Relative:**  
**Lower**  
**Actual:**  
**3144 ft.**

**LUST:**  
 Name: MT BURNEY ELEMENTARY SCHOOL  
 Address: 20375 TAMARACK ST  
 City,State,Zip: BURNEY, CA 96013  
 Lead Agency: SHASTA COUNTY  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0608900125](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608900125)  
 Global Id: T0608900125  
 Latitude: 40.8802625  
 Longitude: -121.6719731  
 Status: Completed - Case Closed  
 Status Date: 08/02/1993  
 Case Worker: MAR  
 RB Case Number: 450126  
 Local Agency: SHASTA COUNTY  
 File Location: Not reported  
 Local Case Number: Not reported  
 Potential Media Affect: Soil  
 Potential Contaminants of Concern: Heating Oil / Fuel Oil  
 Site History: Not reported

**LUST:**  
 Global Id: T0608900125  
 Contact Type: Local Agency Caseworker  
 Contact Name: MARK CRAMER  
 Organization Name: SHASTA COUNTY  
 Address: 1855 PLACER STREET  
 City: REDDING  
 Email: [mcramer@co.shasta.ca.us](mailto:mcramer@co.shasta.ca.us)  
 Phone Number: Not reported

Global Id: T0608900125  
 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: T0608900125  
 Action Type: ENFORCEMENT  
 Date: 08/02/1993  
 Action: Closure/No Further Action Letter

Global Id: T0608900125  
 Action Type: Other  
 Date: 08/13/1991  
 Action: Leak Stopped

Global Id: T0608900125  
 Action Type: Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT BURNEY ELEMENTARY SCHO (Continued)**

**S102434035**

Date: 08/13/1991  
Action: Leak Discovery

Global Id: T0608900125  
Action Type: Other  
Date: 10/28/1992  
Action: Leak Reported

**LUST:**

Global Id: T0608900125  
Status: Open - Case Begin Date  
Status Date: 08/13/1991

Global Id: T0608900125  
Status: Open - Site Assessment  
Status Date: 10/28/1992

Global Id: T0608900125  
Status: Completed - Case Closed  
Status Date: 08/02/1993

**LUST REG 5:**

Name: MT BURNEY ELEMENTARY SCHOOL  
Address: 20375 TAMARACK ST  
City: BURNEY  
Region: 5  
Status: Case Closed  
Case Number: 450126  
Case Type: Soil only  
Substance: HEATER FUEL  
Staff Initials: CMB  
Lead Agency: Local  
Program: LUST  
MTBE Code: N/A

**CORTESE:**

Name: MT BURNEY ELEMENTARY SCHOOL  
Address: 20375 TAMARACK ST  
City,State,Zip: BURNEY, CA 96013  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0608900125  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT BURNEY ELEMENTARY SCHO (Continued)**

**S102434035**

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: MT BURNEY ELEMENTARY SCHO  
edr\_fadd1: 20375 TAMARACK  
City,State,Zip: BURNEY, CA 96013  
Region: CORTESE  
Facility County Code: 45  
Reg By: LTNKA  
Reg Id: 450126

**NPDES:**

Name: TAMARACK  
Address: 20375 TAMARACK AVE  
City,State,Zip: BURNEY, CA 96013  
Facility Status: Not reported  
NPDES Number: Not reported  
Region: Not reported  
Agency Number: Not reported  
Regulatory Measure ID: Not reported  
Place ID: Not reported  
Order Number: Not reported  
WDID: 5R45C370675  
Regulatory Measure Type: Construction  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: Not reported  
Discharge Name: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Status: Terminated  
Status Date: 05/24/2017  
Operator Name: Fall River Joint Unified School District  
Operator Address: 20375 Tamarack Ave  
Operator City: Burney  
Operator State: California  
Operator Zip: 96013

**NPDES as of 03/2018:**

NPDES Number: CAS000002  
Status: Terminated  
Agency Number: 0  
Region: 5R  
Regulatory Measure ID: 448878  
Order Number: 2009-0009-DWQ  
Regulatory Measure Type: Enrollee  
Place ID: Not reported  
WDID: 5R45C370675  
Program Type: Construction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT BURNEY ELEMENTARY SCHO (Continued)**

**S102434035**

Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 08/25/2014  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: 05/23/2017  
Discharge Name: Fall River Joint Unified School District  
Discharge Address: 20375 Tamarack Ave  
Discharge City: Burney  
Discharge State: California  
Discharge Zip: 96013  
Received Date: Not reported  
Processed Date: Not reported  
Status: Not reported  
Status Date: Not reported  
Place Size: Not reported  
Place Size Unit: Not reported  
Contact: Not reported  
Contact Title: Not reported  
Contact Phone: Not reported  
Contact Phone Ext: Not reported  
Contact Email: Not reported  
Operator Name: Not reported  
Operator Address: Not reported  
Operator City: Not reported  
Operator State: Not reported  
Operator Zip: Not reported  
Operator Contact: Not reported  
Operator Contact Title: Not reported  
Operator Contact Phone: Not reported  
Operator Contact Phone Ext: Not reported  
Operator Contact Email: Not reported  
Operator Type: Not reported  
Developer: Not reported  
Developer Address: Not reported  
Developer City: Not reported  
Developer State: Not reported  
Developer Zip: Not reported  
Developer Contact: Not reported  
Developer Contact Title: Not reported  
Constype Linear Utility Ind: Not reported  
Emergency Phone: Not reported  
Emergency Phone Ext: Not reported  
Constype Above Ground Ind: Not reported  
Constype Below Ground Ind: Not reported  
Constype Cable Line Ind: Not reported  
Constype Comm Line Ind: Not reported  
Constype Commercial Ind: Not reported  
Constype Electrical Line Ind: Not reported  
Constype Gas Line Ind: Not reported  
Constype Industrial Ind: Not reported  
Constype Other Description: Not reported  
Constype Other Ind: Not reported  
Constype Recons Ind: Not reported  
Constype Residential Ind: Not reported  
Constype Transport Ind: Not reported  
Constype Utility Description: Not reported  
Constype Utility Ind: Not reported  
Constype Water Sewer Ind: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

MT BURNEY ELEMENTARY SCHO (Continued)

S102434035

Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5R
Regulatory Measure ID:	448878
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	5R45C370675
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/23/2017
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/25/2014
Processed Date:	08/25/2014
Status:	Terminated
Status Date:	05/24/2017
Place Size:	5.92
Place Size Unit:	Acres
Contact:	Mike Murray
Contact Title:	Manager
Contact Phone:	760-533-2906
Contact Phone Ext:	Not reported
Contact Email:	mmurry@helioenergysolutions.com
Operator Name:	Fall River Joint Unified School District
Operator Address:	20375 Tamarack Ave
Operator City:	Burney
Operator State:	California
Operator Zip:	96013
Operator Contact:	Greg Hawkins
Operator Contact Title:	Board of Directors
Operator Contact Phone:	530-335-4538
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ghawkins@frjUSD.org
Operator Type:	Private Business
Developer:	Helio Power
Developer Address:	25747 Jefferson Ave
Developer City:	Murrieta
Developer State:	California
Developer Zip:	92562
Developer Contact:	Mike Murray
Developer Contact Title:	Manager



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MT BURNEY ELEMENTARY SCHO (Continued)**

**S102434035**

Constype Linear Utility Ind: N  
Emergency Phone: 530-526-7493  
Emergency Phone Ext: Not reported  
Constype Above Ground Ind: N  
Constype Below Ground Ind: N  
Constype Cable Line Ind: N  
Constype Comm Line Ind: N  
Constype Commercial Ind: N  
Constype Electrical Line Ind: N  
Constype Gas Line Ind: N  
Constype Industrial Ind: N  
Constype Other Description: Not reported  
Constype Other Ind: N  
Constype Recons Ind: N  
Constype Residential Ind: N  
Constype Transport Ind: N  
Constype Utility Description: Not reported  
Constype Utility Ind: N  
Constype Water Sewer Ind: N  
Dir Discharge Uswater Ind: N  
Receiving Water Name: Burney Creek  
Certifier: Teresea Spooner  
Certifier Title: Civil Engineer  
Certification Date: 15-MAY-17  
Primary Sic: Not reported  
Secondary Sic: Not reported  
Tertiary Sic: Not reported

**CIWQS:**

Name: TAMARACK  
Address: 20375 TAMARACK AVE  
City,State,Zip: BURNEY, CA 96013  
Agency: Fall River Joint Unified School District  
Agency Address: 20375 Tamarack Ave, Burney, CA 96013  
Place/Project Type: Construction  
SIC/NAICS: Not reported  
Region: 5R  
Program: CONSTW  
Regulatory Measure Status: Terminated  
Regulatory Measure Type: Storm water construction  
Order Number: 2009-0009-DWQ  
WDID: 5R45C370675  
NPDES Number: CAS000002  
Adoption Date: Not reported  
Effective Date: 08/25/2014  
Termination Date: 05/23/2017  
Expiration/Review Date: Not reported  
Design Flow: Not reported  
Major/Minor: Not reported  
Complexity: Not reported  
TTWQ: Not reported  
Enforcement Actions within 5 years: 0  
Violations within 5 years: 0  
Latitude: 40.880105  
Longitude: -121.671034

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B12** TAYLOR PROPERTY HWY 299E  
**NNE** 37084 MAIN  
**1/4-1/2** BURNEY, CA 96013  
**0.280 mi.**  
**1477 ft.** Site 1 of 2 in cluster B

**LUST** S103771027  
**Cortese** N/A  
**HIST CORTESE**

**Relative:**  
**Lower**

LUST:

**Actual:**  
**3158 ft.**

Name: TAYLOR PROPERTY HWY 299E  
Address: 37084 MAIN ST  
City,State,Zip: BURNEY, CA 96013  
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5R)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0608900267](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608900267)  
Global Id: T0608900267  
Latitude: 40.882126482  
Longitude: -121.66686895  
Status: Completed - Case Closed  
Status Date: 04/20/2009  
Case Worker: RF  
RB Case Number: 450273  
Local Agency: SHASTA 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: Not reported

LUST:

Global Id: T0608900267  
Contact Type: Local Agency Caseworker  
Contact Name: MARK CRAMER  
Organization Name: SHASTA COUNTY  
Address: 1855 PLACER STREET  
City: REDDING  
Email: [mcramer@co.shasta.ca.us](mailto:mcramer@co.shasta.ca.us)  
Phone Number: Not reported

Global Id: T0608900267  
Contact Type: Regional Board Caseworker  
Contact Name: RON S. FALKOWSKI  
Organization Name: CENTRAL VALLEY RWQCB (REGION 5R)  
Address: 364 Knollcrest Drive, Suite 205  
City: REDDING  
Email: [rfalkowski@waterboards.ca.gov](mailto:rfalkowski@waterboards.ca.gov)  
Phone Number: Not reported

LUST:

Global Id: T0608900267  
Action Type: ENFORCEMENT  
Date: 07/09/2002  
Action: Staff Letter

Global Id: T0608900267  
Action Type: ENFORCEMENT  
Date: 01/12/1999  
Action: Staff Letter

Global Id: T0608900267  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TAYLOR PROPERTY HWY 299E (Continued)**

**S103771027**

Date: 05/14/2008  
Action: Staff Letter

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 10/01/2002  
Action: Soil and Water Investigation Report

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 10/30/2002  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 04/30/2003  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 07/30/2002  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 10/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 10/30/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 01/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 04/30/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 07/30/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: Other  
Date: 09/23/1998  
Action: Leak Stopped

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 01/30/2006  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TAYLOR PROPERTY HWY 299E (Continued)**

**S103771027**

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 10/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: ENFORCEMENT  
Date: 01/09/2009  
Action: Staff Letter

Global Id: T0608900267  
Action Type: ENFORCEMENT  
Date: 04/20/2009  
Action: Closure/No Further Action Letter

Global Id: T0608900267  
Action Type: Other  
Date: 09/23/1998  
Action: Leak Discovery

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 04/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 07/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 07/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: Other  
Date: 11/20/1998  
Action: Leak Reported

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 04/03/2009  
Action: Well Destruction Report

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 10/30/2003  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE  
Date: 07/30/2003  
Action: Monitoring Report - Quarterly

Global Id: T0608900267  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TAYLOR PROPERTY HWY 299E (Continued)**

**S103771027**

Date: 08/01/2008  
Action: Request for Closure  
  
Global Id: T0608900267  
Action Type: RESPONSE  
Date: 01/30/2008  
Action: Monitoring Report - Quarterly

**LUST:**

Global Id: T0608900267  
Status: Open - Case Begin Date  
Status Date: 09/23/1998

Global Id: T0608900267  
Status: Open - Site Assessment  
Status Date: 09/23/1998

Global Id: T0608900267  
Status: Open - Site Assessment  
Status Date: 06/14/1999

Global Id: T0608900267  
Status: Open - Site Assessment  
Status Date: 07/22/1999

Global Id: T0608900267  
Status: Open - Site Assessment  
Status Date: 07/23/1999

Global Id: T0608900267  
Status: Open - Verification Monitoring  
Status Date: 12/30/2008

Global Id: T0608900267  
Status: Completed - Case Closed  
Status Date: 04/20/2009

**LUST REG 5:**

Name: TAYLOR PROPERTY HWY 299E  
Address: 37084 MAIN ST  
City: BURNEY  
Region: 5  
Status: Pollution Characterization  
Case Number: 450273  
Case Type: Drinking Water Aquifer affected  
Substance: GASOLINE  
Staff Initials: RF  
Lead Agency: Regional  
Program: LUST  
MTBE Code: 1

**CORTESE:**

Name: TAYLOR PROPERTY HWY 299E  
Address: 37084 MAIN ST  
City,State,Zip: BURNEY, CA 96013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TAYLOR PROPERTY HWY 299E (Continued)**

**S103771027**

Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0608900267  
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: TAYLOR PROPERTY HWY 299E  
edr\_fadd1: 37084 MAIN  
City,State,Zip: BURNEY, CA 96013  
Region: CORTESE  
Facility County Code: 45  
Reg By: LTNKA  
Reg Id: 450273

**B13 BERNARDS**  
**NNE 37087 MAIN ST**  
**1/4-1/2 BURNEY, CA 96013**  
**0.285 mi.**  
**1504 ft. Site 2 of 2 in cluster B**

**LUST S113930099**  
**Cortese N/A**

**Relative:**  
**Lower**  
**Actual:**  
**3154 ft.**

**LUST:**  
Name: BERNARDS  
Address: 37087 MAIN ST  
City,State,Zip: BURNEY, CA 96013  
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5R)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0608900072](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608900072)  
Global Id: T0608900072  
Latitude: 40.8817736067553  
Longitude: -121.666900829808  
Status: Open - Site Assessment  
Status Date: 06/28/2019  
Case Worker: KS  
RB Case Number: 450072  
Local Agency: Not reported  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Historically five USTs were located at the site; (1) 10,000 gallon,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERNARDS (Continued)**

**S113930099**

(1) 4,000 gallon, and (1) 1,000 gallon gasoline UST, (1) 4,000 gallon diesel UST, and (1) 500 gallon waste oil UST. The four gasoline and diesel USTs were reported to be abandoned via concrete slurry in August 1991. A Preliminary Site Assessment (PSA) consisting of test pits and soil confirmation samples were conducted in April 2005. Groundwater was not encountered during the PSA. Confirmation soil sampling reported elevated petroleum hydrocarbon constituent concentrations in soils beneath the site. A Request for a work plan for additional site assessment of the site in efforts to delineate the potential lateral and vertical extents of contamination was requested by Shasta County in October 2005. An Unauthorized Release Report (URR) was filed by Shasta County in June 2012.

LUST:

Global Id: T0608900072  
Contact Type: Regional Board Caseworker  
Contact Name: KATE SJOBERG  
Organization Name: CENTRAL VALLEY RWQCB (REGION 5R)  
Address: 364 Knollcrest Drive, Suite 205  
City: REDDING  
Email: kate.sjoberg@waterboards.ca.gov  
Phone Number: 5302243218

LUST:

Global Id: T0608900072  
Action Type: ENFORCEMENT  
Date: 01/23/1992  
Action: Closure/No Further Action Letter

Global Id: T0608900072  
Action Type: ENFORCEMENT  
Date: 01/23/1992  
Action: Staff Letter

Global Id: T0608900072  
Action Type: ENFORCEMENT  
Date: 04/13/2016  
Action: Site Visit / Inspection / Sampling

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 08/31/2012  
Action: Correspondence

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 12/11/1998  
Action: Correspondence

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 01/09/1998  
Action: Correspondence

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 10/15/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERNARDS (Continued)**

**S113930099**

Action: Correspondence

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 05/31/2005  
Action: Preliminary Site Assessment Report

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 05/31/2005  
Action: Preliminary Site Assessment Report

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 06/07/2012  
Action: Unauthorized Release Form

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 01/23/1992  
Action: Correspondence

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 10/02/2003  
Action: Correspondence

Global Id: T0608900072  
Action Type: ENFORCEMENT  
Date: 12/17/2019  
Action: Site Visit / Inspection / Sampling

Global Id: T0608900072  
Action Type: ENFORCEMENT  
Date: 09/11/2020  
Action: Petition of Agency Action or Inaction

Global Id: T0608900072  
Action Type: ENFORCEMENT  
Date: 11/12/2019  
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0608900072  
Action Type: ENFORCEMENT  
Date: 04/11/2018  
Action: Staff Letter

Global Id: T0608900072  
Action Type: Other  
Date: 10/11/1990  
Action: Leak Stopped

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 10/24/1989  
Action: Other Report / Document



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERNARDS (Continued)**

**S113930099**

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 08/20/2018  
Action: Soil and Water Investigation Workplan

Global Id: T0608900072  
Action Type: Other  
Date: 10/11/1990  
Action: Leak Discovery

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 12/16/2019  
Action: Other Report / Document

Global Id: T0608900072  
Action Type: ENFORCEMENT  
Date: 01/27/2020  
Action: Rescission of Enforcement Action

Global Id: T0608900072  
Action Type: ENFORCEMENT  
Date: 07/02/2019  
Action: Other Report

Global Id: T0608900072  
Action Type: Other  
Date: 10/17/1990  
Action: Leak Reported

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 05/24/1995  
Action: Correspondence

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 10/19/2005  
Action: Soil and Water Investigation Workplan

Global Id: T0608900072  
Action Type: RESPONSE  
Date: 08/03/2005  
Action: Soil and Water Investigation Workplan

**LUST:**

Global Id: T0608900072  
Status: Open - Case Begin Date  
Status Date: 10/11/1990

Global Id: T0608900072  
Status: Open - Site Assessment  
Status Date: 12/31/1990

Global Id: T0608900072  
Status: Completed - Case Closed  
Status Date: 02/27/1992

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERNARDS (Continued)**

**S113930099**

Global Id: T0608900072  
Status: Open - Reopen Case  
Status Date: 06/07/2012

Global Id: T0608900072  
Status: Open - Site Assessment  
Status Date: 06/07/2012

Global Id: T0608900072  
Status: Open - Inactive  
Status Date: 07/19/2013

Global Id: T0608900072  
Status: Open - Site Assessment  
Status Date: 07/06/2017

Global Id: T0608900072  
Status: Open - Inactive  
Status Date: 08/09/2018

Global Id: T0608900072  
Status: Open - Site Assessment  
Status Date: 06/28/2019

**CORTESE:**

Name: BERNARDS  
Address: 37087 MAIN ST  
City,State,Zip: BURNEY, CA 96013  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0608900072  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: OPEN - SITE ASSESSMENT  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

14  
NE  
1/4-1/2  
0.490 mi.  
2589 ft.

LOUISIANA-PACIFIC CORP BURNEY OPERATION  
HWY 89 9 MI NE OF BURNEY  
BURNEY, CA 96013

SEMS-ARCHIVE 1015732806  
RCRA-SQG CAD089924633

Relative:  
Lower  
Actual:  
3127 ft.

SEMS Archive:  
Site ID: 0901658  
EPA ID: CAD089924633  
Name: LOUISIANA PACIFIC BURNEY FACIL  
Address: BURNEY  
Address 2: Not reported  
City,State,Zip: BURNEY, CA 96013  
Cong District: 14  
FIPS Code: 06089  
FF: N  
NPL: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09  
Site ID: 0901658  
EPA ID: CAD089924633  
Site Name: LOUISIANA PACIFIC BURNEY FACIL  
NPL: N  
FF: N  
OU: 00  
Action Code: VS  
Action Name: ARCH SITE  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1986-11-01 05:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf In-Hse

Region: 09  
Site ID: 0901658  
EPA ID: CAD089924633  
Site Name: LOUISIANA PACIFIC BURNEY FACIL  
NPL: N  
FF: N  
OU: 00  
Action Code: PA  
Action Name: PA  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1986-11-01 05:00:00  
Qual: N  
Current Action Lead: EPA Perf

Region: 09  
Site ID: 0901658  
EPA ID: CAD089924633  
Site Name: LOUISIANA PACIFIC BURNEY FACIL  
NPL: N  
FF: N  
OU: 00  
Action Code: DS  
Action Name: DISCVRY  
SEQ: 1

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LOUISIANA-PACIFIC CORP BURNEY OPERATION (Continued)**

**1015732806**

Start Date: 1985-11-01 06:00:00  
 Finish Date: 1985-11-01 06:00:00  
 Qual: Not reported  
 Current Action Lead: EPA Perf

**RCRA-SQG:**

Date Form Received by Agency: 19960901  
 Handler Name: LOUISIANA-PACIFIC CORP BURNEY OPERATION  
 Handler Address: HWY 89 9 MI NE OF BURNEY  
 Handler City,State,Zip: BURNEY, CA 96013  
 EPA ID: CAD089924633  
 Contact Name: Not reported  
 Contact Address: Not reported  
 Contact City,State,Zip: Not reported  
 Contact Telephone: Not reported  
 Contact Fax: Not reported  
 Contact Email: Not reported  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Not reported  
 Federal Waste Generator Description: Small Quantity Generator  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Handler Activities  
 State District Owner: CA  
 State District: 1  
 Mailing Address: PO BOX 190  
 Mailing City,State,Zip: BURNEY, CA 96013  
 Owner Name: Not reported  
 Owner Type: Not reported  
 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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LOUISIANA-PACIFIC CORP BURNEY OPERATION (Continued)**

**1015732806**

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:	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:	FIBREBOARD CORP
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOUISIANA-PACIFIC CORP BURNEY OPERATION (Continued)**

**1015732806**

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19960901  
Handler Name: LOUISIANA-PACIFIC CORP BURNEY OPERATION  
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

Receive Date: 19800818  
Handler Name: LOUISIANA-PACIFIC CORP BURNEY OPERATION  
Federal Waste Generator Description: Large 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: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Count: 3 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
BURNEY	1000368695	SIERRA PACIFIC INDUSTRIES, BURNEY	HIGHWAY 299, EAST, NEAR TAMARA	96013	ENVIROSTOR
BURNEY	S102436784	SHASTA CO SHERIFF BURNEY	SHASTA ST	96013	LUST, HIST CORTESE
SHASTA COUNTY	S107538641		HAPPY VALLEY CEMETARY - OAK ST		CDL

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## **STANDARD ENVIRONMENTAL RECORDS**

### ***Lists of Federal NPL (Superfund) sites***

#### **NPL: National Priority List**

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

Date of Government Version: 04/27/2022	Source: EPA
Date Data Arrived at EDR: 05/05/2022	Telephone: N/A
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 07/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/10/2022
	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: 04/27/2022	Source: EPA
Date Data Arrived at EDR: 05/05/2022	Telephone: N/A
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 07/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/10/2022
	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: 04/27/2022  
Date Data Arrived at EDR: 05/05/2022  
Date Made Active in Reports: 05/31/2022  
Number of Days to Update: 26

Source: EPA  
Telephone: N/A  
Last EDR Contact: 07/01/2022  
Next Scheduled EDR Contact: 10/10/2022  
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: 06/27/2022  
Next Scheduled EDR Contact: 10/10/2022  
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: 04/27/2022  
Date Data Arrived at EDR: 05/05/2022  
Date Made Active in Reports: 05/31/2022  
Number of Days to Update: 26

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 07/01/2022  
Next Scheduled EDR Contact: 10/24/2022  
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: 04/27/2022	Source: EPA
Date Data Arrived at EDR: 05/05/2022	Telephone: 800-424-9346
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 07/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/24/2022
	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: 06/20/2022	Source: EPA
Date Data Arrived at EDR: 06/21/2022	Telephone: 800-424-9346
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	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: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	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: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	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: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	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: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	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: 02/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2022	Telephone: 703-603-0695
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/24/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 09/05/2022
	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: 02/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2022	Telephone: 703-603-0695
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/04/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 09/05/2022
	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: 06/14/2022

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 06/15/2022

Telephone: 202-267-2180

Date Made Active in Reports: 06/21/2022

Last EDR Contact: 06/15/2022

Number of Days to Update: 6

Next Scheduled EDR Contact: 10/03/2022

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

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

## ***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

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

## ***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

Source: Department of Resources Recycling and Recovery

Date Data Arrived at EDR: 02/08/2022

Telephone: 916-341-6320

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

## ***Lists of state and tribal leaking storage tanks***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

## 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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	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	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	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	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 05/24/2022  
Number of Days to Update: 1

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
Data Release Frequency: Quarterly

## 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 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 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 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: 06/13/2022  
Next Scheduled EDR Contact: 08/01/2022  
Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 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: 06/13/2022  
Next Scheduled EDR Contact: 08/01/2022  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: EPA Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/13/2022
Number of Days to Update: 88	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	Source: EPA Region 6
Date Data Arrived at EDR: 11/15/2021	Telephone: 214-665-6597
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	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	Source: EPA, Region 5
Date Data Arrived at EDR: 11/15/2021	Telephone: 312-886-7439
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	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.

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: 06/13/2022
Number of Days to Update: 85	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/15/2021	Telephone: 415-972-3372
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	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	Source: EPA Region 8
Date Data Arrived at EDR: 11/15/2021	Telephone: 303-312-6271
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

## CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

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

Date of Government Version: 05/23/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 1: Active Toxic Site Investigations

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

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

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



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/29/2022  
Next Scheduled EDR Contact: 10/17/2022  
Data Release Frequency: Varies

### MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 10

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
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: 03/07/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/08/2022	Telephone: 916-327-7844
Date Made Active in Reports: 06/03/2022	Last EDR Contact: 06/09/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Varies

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/07/2022	Source: SWRCB
Date Data Arrived at EDR: 03/08/2022	Telephone: 916-341-5851
Date Made Active in Reports: 06/02/2022	Last EDR Contact: 06/07/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/19/2022
	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: 06/09/2022
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/26/2022
	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: 06/13/2022
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: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

## INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 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: 06/13/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/13/2022
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: 06/13/2022
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: 06/13/2022
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: 06/13/2022
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: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

## ***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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/15/2022
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/03/2022
	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

### ***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: 03/21/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/21/2022	Telephone: 916-323-7905
Date Made Active in Reports: 06/14/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/03/2022
	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: 06/13/2022
Number of Days to Update: 0	Next Scheduled EDR Contact: 09/26/2022
	Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

## WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/07/2022  
Date Data Arrived at EDR: 03/08/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 86

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 06/07/2022  
Next Scheduled EDR Contact: 09/19/2022  
Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/15/2022  
Date Data Arrived at EDR: 02/24/2022  
Date Made Active in Reports: 05/25/2022  
Number of Days to Update: 90

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

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 04/14/2022  
Next Scheduled EDR Contact: 08/01/2022  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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	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: 05/24/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/05/2022
	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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	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	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

### **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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/20/2021	Telephone: 916-255-6504
Date Made Active in Reports: 04/08/2021	Last EDR Contact: 06/28/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/17/2022
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### **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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: CalEPA  
Telephone: 916-323-2514  
Last EDR Contact: 04/19/2022  
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  
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: 05/24/2022  
Next Scheduled EDR Contact: 09/05/2022  
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  
Date Data Arrived at EDR: 12/10/2021  
Date Made Active in Reports: 02/25/2022  
Number of Days to Update: 77

Source: State Water Resources Control Board  
Telephone: 916-341-5455  
Last EDR Contact: 06/10/2022  
Next Scheduled EDR Contact: 09/19/2022  
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: 03/07/2022  
Date Data Arrived at EDR: 03/08/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 86

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/07/2022  
Next Scheduled EDR Contact: 09/19/2022  
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  
Date Data Arrived at EDR: 07/07/2005  
Date Made Active in Reports: 08/11/2005  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/03/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990  
Date Data Arrived at EDR: 01/25/1991  
Date Made Active in Reports: 02/12/1991  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-341-5851  
Last EDR Contact: 07/26/2001  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 05/25/2022  
Next Scheduled EDR Contact: 09/12/2022  
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: 04/27/2022  
Date Data Arrived at EDR: 05/05/2022  
Date Made Active in Reports: 05/31/2022  
Number of Days to Update: 26

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 07/01/2022  
Next Scheduled EDR Contact: 10/10/2022  
Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/28/2022	Source: DTSC and SWRCB
Date Data Arrived at EDR: 02/28/2022	Telephone: 916-323-3400
Date Made Active in Reports: 05/25/2022	Last EDR Contact: 05/31/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/12/2022
	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: 03/21/2022	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/21/2022	Telephone: 202-366-4555
Date Made Active in Reports: 06/14/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/03/2022
	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: 05/23/2022	Source: State Water Quality Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/19/2022
	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: 05/23/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/19/2022
	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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	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: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	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	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/15/2022	Telephone: 202-528-4285
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 05/17/2022
Number of Days to Update: 84	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	Source: USGS
Date Data Arrived at EDR: 07/13/2021	Telephone: 888-275-8747
Date Made Active in Reports: 03/09/2022	Last EDR Contact: 04/12/2022
Number of Days to Update: 239	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 07/08/2022
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/17/2022
	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: 03/21/2022  
Date Data Arrived at EDR: 03/21/2022  
Date Made Active in Reports: 06/14/2022  
Number of Days to Update: 85

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 06/21/2022  
Next Scheduled EDR Contact: 10/03/2022  
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: 06/14/2022  
Next Scheduled EDR Contact: 09/26/2022  
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: 04/27/2022  
Date Data Arrived at EDR: 05/05/2022  
Date Made Active in Reports: 05/31/2022  
Number of Days to Update: 26

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 07/01/2022  
Next Scheduled EDR Contact: 09/12/2022  
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: 07/01/2022
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: 07/08/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/17/2022
	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: 06/28/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/17/2022
	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: 03/11/2022	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/15/2022	Telephone: 301-415-7169
Date Made Active in Reports: 06/14/2022	Last EDR Contact: 04/18/2022
Number of Days to Update: 91	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: 06/02/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 09/12/2022
	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: 05/25/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/12/2022
	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: 06/23/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/10/2022
	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: 06/29/2022  
Next Scheduled EDR Contact: 10/17/2022  
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: 06/21/2022  
Next Scheduled EDR Contact: 10/03/2022  
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: 07/08/2022  
Next Scheduled EDR Contact: 10/17/2022  
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: 04/27/2022  
Date Data Arrived at EDR: 05/05/2022  
Date Made Active in Reports: 05/31/2022  
Number of Days to Update: 26

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 09/01/2022  
Next Scheduled EDR Contact: 10/10/2022  
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

## MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

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 Administration  
Telephone: 202-693-9424  
Last EDR Contact: 05/26/2022  
Next Scheduled EDR Contact: 09/12/2022  
Data Release Frequency: Quarterly

## 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.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2022  
Date Data Arrived at EDR: 02/23/2022  
Date Made Active in Reports: 05/24/2022  
Number of Days to Update: 90

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 05/25/2022  
Next Scheduled EDR Contact: 09/05/2022  
Data Release Frequency: Semi-Annually

## 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: 05/27/2022  
Next Scheduled EDR Contact: 09/05/2022  
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: 05/27/2022  
Next Scheduled EDR Contact: 09/05/2022  
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: 03/10/2022  
Date Data Arrived at EDR: 03/10/2022  
Date Made Active in Reports: 06/14/2022  
Number of Days to Update: 96

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 06/14/2022  
Next Scheduled EDR Contact: 09/19/2022  
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: 05/13/2022  
Date Data Arrived at EDR: 05/18/2022  
Date Made Active in Reports: 05/31/2022  
Number of Days to Update: 13

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 05/18/2022  
Next Scheduled EDR Contact: 09/12/2022  
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: 07/07/2022  
Next Scheduled EDR Contact: 10/24/2022  
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: 04/02/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/05/2022	Telephone: 202-564-2280
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 07/01/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/17/2022
	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: 03/21/2022	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/21/2022	Telephone: 916-323-3400
Date Made Active in Reports: 06/14/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/03/2022
	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

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/27/2021  
Date Data Arrived at EDR: 09/01/2021  
Date Made Active in Reports: 11/19/2021  
Number of Days to Update: 79

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 06/01/2022  
Next Scheduled EDR Contact: 09/12/2022  
Data Release Frequency: Annually

**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

**DRYCLEAN AVAQMD:** Antelope Valley Air Quality Management District Drycleaner Listing  
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/24/2022  
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: 05/25/2022  
Next Scheduled EDR Contact: 09/12/2022  
Data Release Frequency: Varies

**EMI:** Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019  
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: 06/13/2022  
Next Scheduled EDR Contact: 09/26/2022  
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: 04/12/2022  
Date Data Arrived at EDR: 04/19/2022  
Date Made Active in Reports: 05/31/2022  
Number of Days to Update: 42

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.

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 04/15/2020	Telephone: 916-255-1136
Date Made Active in Reports: 07/02/2020	Last EDR Contact: 07/05/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/17/2022
	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/15/2022	Telephone: 877-786-9427
Date Made Active in Reports: 05/12/2022	Last EDR Contact: 05/17/2022
Number of Days to Update: 86	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/15/2022	Telephone: 916-323-3400
Date Made Active in Reports: 05/12/2022	Last EDR Contact: 05/17/2022
Number of Days to Update: 86	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: 04/05/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/05/2022	Telephone: 916-440-7145
Date Made Active in Reports: 06/27/2022	Last EDR Contact: 07/05/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Quarterly

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/07/2022	Source: Department of Conservation
Date Data Arrived at EDR: 03/08/2022	Telephone: 916-322-1080
Date Made Active in Reports: 06/01/2022	Last EDR Contact: 06/07/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 02/17/2022	Source: Department of Public Health
Date Data Arrived at EDR: 02/28/2022	Telephone: 916-558-1784
Date Made Active in Reports: 05/25/2022	Last EDR Contact: 05/31/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/12/2022
	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: 02/28/2022	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 02/28/2022	Telephone: 916-445-4038
Date Made Active in Reports: 05/25/2022	Last EDR Contact: 05/31/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/12/2022
	Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/07/2022	Source: Department of Conservation
Date Data Arrived at EDR: 03/08/2022	Telephone: 916-323-3836
Date Made Active in Reports: 06/02/2022	Last EDR Contact: 06/07/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/19/2022
	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: 03/11/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/15/2022	Telephone: 916-445-3846
Date Made Active in Reports: 06/08/2022	Last EDR Contact: 06/09/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/26/2022
	Data Release Frequency: No Update Planned

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/07/2022	Source: Department of Conservation
Date Data Arrived at EDR: 03/08/2022	Telephone: 916-445-2408
Date Made Active in Reports: 06/02/2022	Last EDR Contact: 06/07/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 10

Source: State Water Resource Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
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  
Date Data Arrived at EDR: 07/01/2021  
Date Made Active in Reports: 09/29/2021  
Number of Days to Update: 90

Source: RWQCB, Central Valley Region  
Telephone: 559-445-5577  
Last EDR Contact: 07/08/2022  
Next Scheduled EDR Contact: 10/17/2022  
Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 05/12/2022  
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  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 06/14/2022  
Next Scheduled EDR Contact: 10/03/2022  
Data Release Frequency: No Update Planned

## MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 10

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
Data Release Frequency: Varies

## PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 10

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2022  
Date Data Arrived at EDR: 03/08/2022  
Date Made Active in Reports: 06/03/2022  
Number of Days to Update: 87

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 06/07/2022  
Next Scheduled EDR Contact: 09/19/2022  
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: 02/28/2022  
Date Data Arrived at EDR: 02/28/2022  
Date Made Active in Reports: 05/25/2022  
Number of Days to Update: 86

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 05/31/2022  
Next Scheduled EDR Contact: 09/12/2022  
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: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 10

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
Data Release Frequency: Varies

## OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 10

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
Data Release Frequency: Varies

## PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 10

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
Data Release Frequency: Varies

## SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 10

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
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: 05/23/2022  
Date Data Arrived at EDR: 05/23/2022  
Date Made Active in Reports: 06/02/2022  
Number of Days to Update: 10

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/23/2022  
Next Scheduled EDR Contact: 09/19/2022  
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: 06/28/2022  
Next Scheduled EDR Contact: 10/17/2022  
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: 06/28/2022  
Next Scheduled EDR Contact: 10/17/2022  
Data Release Frequency: Semi-Annually

## 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: 06/28/2022  
Next Scheduled EDR Contact: 10/17/2022  
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: 05/27/2022  
Next Scheduled EDR Contact: 09/05/2022  
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: 07/06/2022  
Next Scheduled EDR Contact: 10/17/2022  
Data Release Frequency: Varies

## **EDR HIGH RISK HISTORICAL RECORDS**

### ***EDR Exclusive Records***

#### **EDR MGP: EDR Proprietary Manufactured Gas Plants**

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### **EDR Hist Auto: EDR Exclusive Historical Auto Stations**

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### **EDR Hist Cleaner: EDR Exclusive Historical Cleaners**

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## **EDR RECOVERED GOVERNMENT ARCHIVES**

### ***Exclusive Recovered Govt. Archives***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	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	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/11/2019	Telephone: 510-567-6700
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 06/28/2022
Number of Days to Update: 53	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2021	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 12/28/2021	Telephone: 510-567-6700
Date Made Active in Reports: 03/18/2022	Last EDR Contact: 06/29/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/04/2022	Source: Amador County Environmental Health
Date Data Arrived at EDR: 02/04/2022	Telephone: 209-223-6439
Date Made Active in Reports: 05/02/2022	Last EDR Contact: 05/12/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 08/15/2022
	Data Release Frequency: Varies

### BUTTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/28/2022  
Next Scheduled EDR Contact: 10/17/2022  
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing  
Cupa Facility Listing

Date of Government Version: 03/17/2022  
Date Data Arrived at EDR: 03/18/2022  
Date Made Active in Reports: 06/08/2022  
Number of Days to Update: 82

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 06/14/2022  
Next Scheduled EDR Contact: 10/03/2022  
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:

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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/14/2022  
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: 07/01/2022  
Next Scheduled EDR Contact: 10/10/2022  
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:

### 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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 05/25/2022  
Next Scheduled EDR Contact: 08/29/2022  
Data Release Frequency: Varies

## LAKE COUNTY:

### 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: 07/07/2022  
Next Scheduled EDR Contact: 10/24/2022  
Data Release Frequency: Varies

## LASSEN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/09/2022  
Next Scheduled EDR Contact: 09/26/2022  
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: 06/29/2022  
Next Scheduled EDR Contact: 10/17/2022  
Data Release Frequency: Semi-Annually

### LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/11/2022  
Date Data Arrived at EDR: 04/12/2022  
Date Made Active in Reports: 07/05/2022  
Number of Days to Update: 84

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 07/11/2022  
Next Scheduled EDR Contact: 10/24/2022  
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: 07/06/2022  
Next Scheduled EDR Contact: 10/24/2022  
Data Release Frequency: Varies

### LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019  
Date Data Arrived at EDR: 06/25/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 58

Source: Los Angeles Fire Department  
Telephone: 213-978-3800  
Last EDR Contact: 06/14/2022  
Next Scheduled EDR Contact: 10/03/2022  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 07/06/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/24/2022
	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: 01/13/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 03/21/2022	Telephone: 213-978-3800
Date Made Active in Reports: 06/15/2022	Last EDR Contact: 06/24/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/03/2022
	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: 01/13/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 03/21/2022	Telephone: 213-978-3800
Date Made Active in Reports: 06/15/2022	Last EDR Contact: 06/24/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/03/2022
	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: 07/06/2022
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/24/2022
	Data Release Frequency: No Update Planned

## UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/22/2022
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/10/2022
	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:

CUPA MERCED: CUPA Facility List  
CUPA facility list.

Date of Government Version: 02/15/2022	Source: Merced County Environmental Health
Date Data Arrived at EDR: 02/17/2022	Telephone: 209-381-1094
Date Made Active in Reports: 05/11/2022	Last EDR Contact: 07/07/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/29/2022
	Data Release Frequency: Varies

MONO COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 07/07/2022  
Next Scheduled EDR Contact: 10/10/2022  
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.

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/25/2022  
Date Data Arrived at EDR: 05/26/2022  
Date Made Active in Reports: 06/01/2022  
Number of Days to Update: 6

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 05/25/2022  
Next Scheduled EDR Contact: 09/12/2022  
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:

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: 06/09/2022  
Next Scheduled EDR Contact: 09/26/2022  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/09/2022  
Next Scheduled EDR Contact: 09/26/2022  
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: 06/30/2022  
Next Scheduled EDR Contact: 10/10/2022  
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: 05/04/2022  
Date Data Arrived at EDR: 06/30/2022  
Date Made Active in Reports: 07/05/2022  
Number of Days to Update: 6

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 06/30/2022  
Next Scheduled EDR Contact: 10/10/2022  
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.

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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 02/28/2022  
Date Data Arrived at EDR: 02/28/2022  
Date Made Active in Reports: 05/25/2022  
Number of Days to Update: 86

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 05/31/2022  
Next Scheduled EDR Contact: 09/12/2022  
Data Release Frequency: Quarterly

## LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021  
Date Data Arrived at EDR: 03/04/2022  
Date Made Active in Reports: 05/31/2022  
Number of Days to Update: 88

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 04/14/2022  
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: 05/25/2022  
Next Scheduled EDR Contact: 09/12/2022  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/09/2022  
Next Scheduled EDR Contact: 09/26/2022  
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:

### BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/10/2022  
Next Scheduled EDR Contact: 09/19/2022  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/02/2022  
Next Scheduled EDR Contact: 09/19/2022  
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

### 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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 05/25/2022  
Next Scheduled EDR Contact: 09/12/2022  
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: 05/25/2022  
Next Scheduled EDR Contact: 09/12/2022  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 07/02/2021  
Date Data Arrived at EDR: 07/06/2021  
Date Made Active in Reports: 07/14/2021  
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 06/14/2022  
Next Scheduled EDR Contact: 10/03/2022  
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: 06/14/2022  
Next Scheduled EDR Contact: 10/04/2021  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 07/11/2022  
Next Scheduled EDR Contact: 10/24/2022  
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: 05/25/2022  
Next Scheduled EDR Contact: 09/12/2022  
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:

### 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:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018	Source: Divison of Environmental Health
Date Data Arrived at EDR: 04/25/2018	Telephone: 209-533-5633
Date Made Active in Reports: 06/25/2018	Last EDR Contact: 04/14/2022
Number of Days to Update: 61	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	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 01/20/2022	Telephone: 805-654-2813
Date Made Active in Reports: 04/08/2022	Last EDR Contact: 04/18/2022
Number of Days to Update: 78	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	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 06/22/2022
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/10/2022
	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 05/04/2022
Number of Days to Update: 37	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	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 01/20/2022	Telephone: 805-654-2813
Date Made Active in Reports: 04/11/2022	Last EDR Contact: 04/18/2022
Number of Days to Update: 81	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Quarterly

### UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2022	Source: Environmental Health Division
Date Data Arrived at EDR: 03/08/2022	Telephone: 805-654-2813
Date Made Active in Reports: 06/02/2022	Last EDR Contact: 06/07/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Quarterly

## YOLO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST YOLO: Underground Storage Tank Comprehensive Facility Report  
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/24/2022	Source: Yolo County Department of Health
Date Data Arrived at EDR: 03/31/2022	Telephone: 530-666-8646
Date Made Active in Reports: 06/27/2022	Last EDR Contact: 06/22/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 10/10/2022
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List  
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2022	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 01/27/2022	Telephone: 530-749-7523
Date Made Active in Reports: 04/14/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 77	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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/11/2022	Telephone: 860-424-3375
Date Made Active in Reports: 05/06/2022	Last EDR Contact: 05/09/2022
Number of Days to Update: 84	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 06/28/2022
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/29/2021	Telephone: 518-402-8651
Date Made Active in Reports: 01/19/2022	Last EDR Contact: 04/28/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/08/2022
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 07/06/2022  
Next Scheduled EDR Contact: 10/24/2022  
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: 06/03/2022  
Next Scheduled EDR Contact: 09/19/2022  
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

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.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

PIT RIVER BURNEY FTT  
OAK STREET  
BURNEY, CA 96013

### TARGET PROPERTY COORDINATES

Latitude (North):	40.874033 - 40° 52' 26.52"
Longitude (West):	121.678544 - 121° 40' 42.76"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	611352.2
UTM Y (Meters):	4525402.5
Elevation:	3165 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	12014056 BURNEY MOUNTAIN WEST, CA
Version Date:	2018
North Map:	12014052 BURNEY, 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).

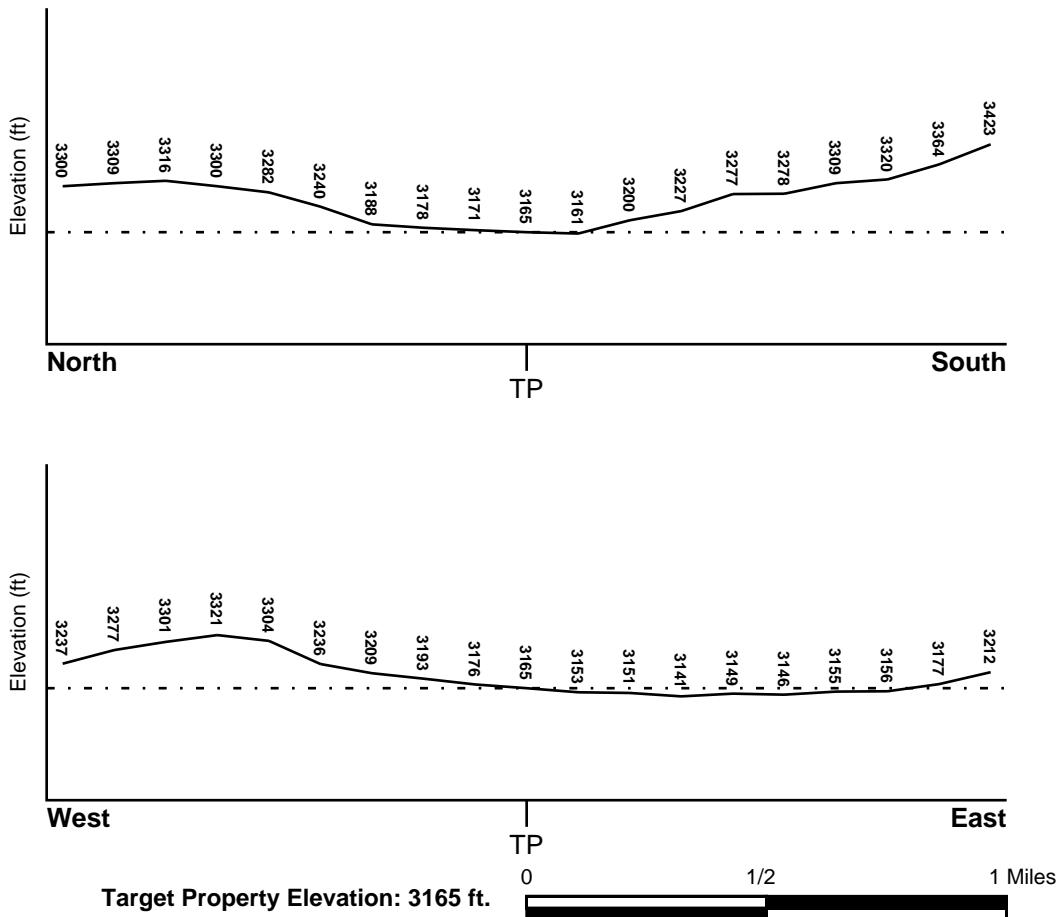
## TOPOGRAPHIC INFORMATION

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 ENE

## 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>
06089C1050G	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06089C0750G	FEMA FIRM Flood data
06089C0745G	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
BURNEY MOUNTAIN WEST	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 volcanic rocks  
Code: Qv (*decoded above as Era, System & Series*)

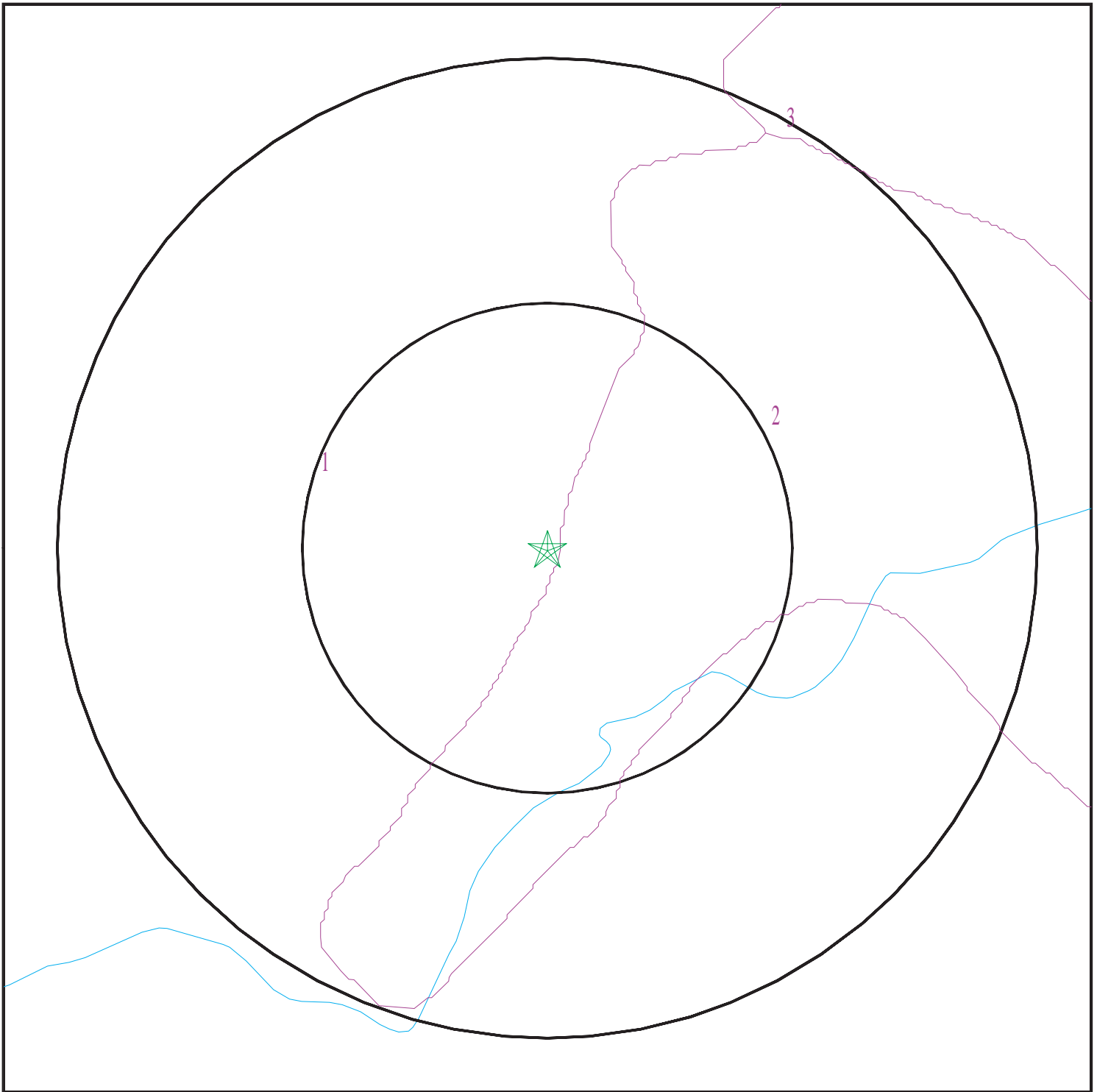
#### **GEOLOGIC AGE IDENTIFICATION**

Category: Volcanic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).



# SSURGO SOIL MAP - 7049799.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Pit River Burney FTT  
ADDRESS: Oak Street  
Burney CA 96013  
LAT/LONG: 40.874033 / 121.678544

CLIENT: Montrose Environmental  
CONTACT: Charlane Gross  
INQUIRY #: 7049799.2s  
DATE: July 12, 2022 12:18 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

#### Soil Map ID: 1

Soil Component Name: JIMMERSON

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 7.3 Min: 5.6
2	5 inches	24 inches	loam	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 7.3 Min: 5.6
3	24 inches	35 inches	silty clay loam	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 7.3 Min: 5.6
4	35 inches	50 inches	silty clay loam	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 7.3 Min: 5.6
5	50 inches	61 inches	cobbly clay loam	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 7.3 Min: 5.6
6	61 inches	70 inches	silty clay loam	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 7.3 Min: 5.6

#### Soil Map ID: 2

Soil Component Name: MATQUAW

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6.5 Min: 5.6
2	3 inches	9 inches	sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6.5 Min: 5.6
3	9 inches	27 inches	very fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6.5 Min: 5.6
4	27 inches	33 inches	loamy sand	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6.5 Min: 5.6
5	33 inches	72 inches	stratified extremely gravelly loamy sand to very gravelly sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6.5 Min: 5.6

### Soil Map ID: 3

Soil Component Name: ARKRIGHT

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly loam	Not reported	Not reported	Max: Min:	Max: Min:
2	9 inches	14 inches	gravelly loam	Not reported	Not reported	Max: Min:	Max: Min:
3	14 inches	24 inches	cobbly clay loam	Not reported	Not reported	Max: Min:	Max: Min:
4	24 inches	27 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<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>
No Wells Found		

## **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**

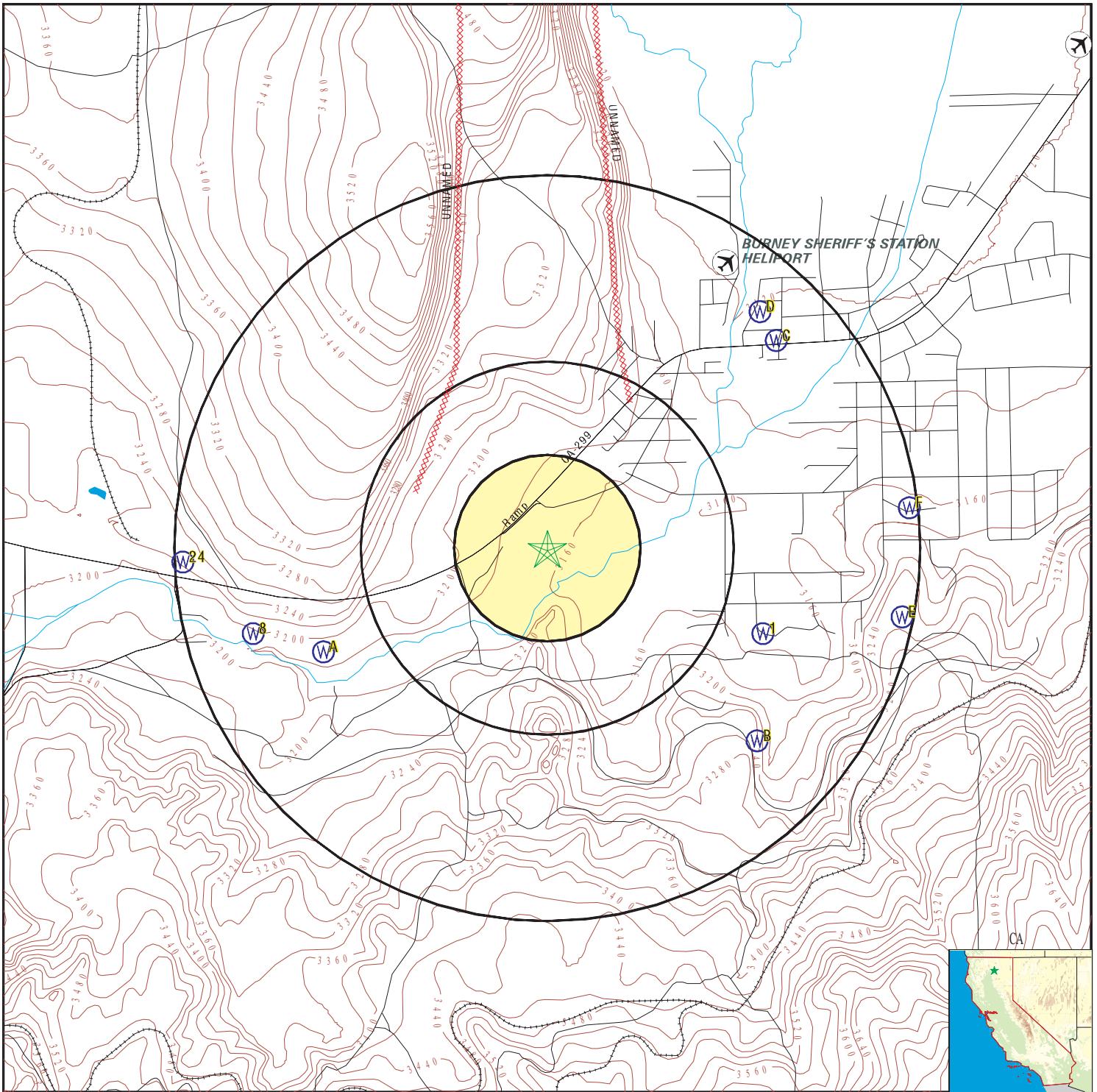
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	18679	1/2 - 1 Mile ESE
A2	CADDW0000007878	1/2 - 1 Mile WSW
A3	CADDW0000018524	1/2 - 1 Mile WSW
B4	18676	1/2 - 1 Mile SE
B5	18677	1/2 - 1 Mile SE
C6	CAEDF0000087279	1/2 - 1 Mile NE
C7	CAEDF0000068568	1/2 - 1 Mile NE
8	18673	1/2 - 1 Mile WSW
C9	CAEDF0000131522	1/2 - 1 Mile NE
C10	CAEDF0000042395	1/2 - 1 Mile NE
C11	CAEDF0000112297	1/2 - 1 Mile NE
D12	18678	1/2 - 1 Mile NE
C13	CAEDF0000016449	1/2 - 1 Mile NE
D14	18680	1/2 - 1 Mile NE
E15	CALLNL000000153	1/2 - 1 Mile East
E16	CALLNL000000099	1/2 - 1 Mile East
E17	CALLNL000000868	1/2 - 1 Mile East
E18	CAUSGSN00013021	1/2 - 1 Mile East
E19	CAUSGS000000528	1/2 - 1 Mile East
E20	CADDW0000002837	1/2 - 1 Mile ESE
E21	CADDW0000010418	1/2 - 1 Mile East
F22	CADWR0000010007	1/2 - 1 Mile East
F23	CADWR0000014132	1/2 - 1 Mile East
24	18672	1/2 - 1 Mile West

# PHYSICAL SETTING SOURCE MAP - 7049799.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- 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



SITE NAME: Pit River Burney FTT  
 ADDRESS: Oak Street  
 Burney CA 96013  
 LAT/LONG: 40.874033 / 121.678544

CLIENT: Montrose Environmental  
 CONTACT: Charlane Gross  
 INQUIRY #: 7049799.2s  
 DATE: July 12, 2022 12:18 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**1**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      18679**

Seq:	18679	Prim sta c:	35N/03E-20Q02 M
Frds no:	4510003004	County:	45
District:	01	User id:	ATT
System no:	4510003	Water type:	G
Source nam:	WELL 07	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	405215.0	Longitude:	1213959.0
Precision:	3	Status:	AU
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:	4510003	System nam:	Burney Water District
Hqname:	Not Reported	Address:	P.O. DRAWER L
City:	BURNEY	State:	CA
Zip:	96013	Zip ext:	Not Reported
Pop serv:	3300	Connection:	1660
Area serve:	BURNEY		

Sample date:	08-APR-14	Finding:	0.396
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		

Sample date:	08-APR-14	Finding:	0.645
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		

Sample date:	06-DEC-12	Finding:	4.05
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		

Sample date:	06-DEC-12	Finding:	9.56
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		

Sample date:	06-DEC-12	Finding:	42.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		

Sample date:	06-DEC-12	Finding:	5.05
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		

Sample date:	13-FEB-12	Finding:	9.27
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		

**A2**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADDW0000007878**

Well ID:	4500257-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Other Name:	WELL 01 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4500257-001&store_num=		
GeoTracker Data:	Not Reported		

**A3**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS    CADDW0000018524**

Well ID:	4500175-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4500175-001&store_num=		
GeoTracker Data:	Not Reported		

**B4**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS    18676**

Seq:	18676	Prim sta c:	35N/03E-20L01 M
Frds no:	4510003002	County:	45
District:	01	User id:	ATT
System no:	4510003	Water type:	G
Source nam:	WELL 05 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	405200.0	Longitude:	1214000.0
Precision:	8	Status:	DS
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:	4510003	System nam:	Burney Water District
Hqname:	Not Reported	Address:	P.O. DRAWER L
City:	BURNEY	State:	CA
Zip:	96013	Zip ext:	Not Reported
Pop serv:	3300	Connection:	1660
Area serve:	BURNEY		

**B5**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS    18677**

Seq:	18677	Prim sta c:	35N/03E-20L02 M
Frds no:	4510003001	County:	45
District:	01	User id:	ATT
System no:	4510003	Water type:	G
Source nam:	WELL 03 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	405200.0	Longitude:	1214000.0
Precision:	8	Status:	DS
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		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System no:	4510003	System nam:	Burney Water District
Hqname:	Not Reported	Address:	P.O. DRAWER L
City:	BURNEY	State:	CA
Zip:	96013	Zip ext:	Not Reported
Pop serv:	3300	Connection:	1660
Area serve:	BURNEY		

**C6  
NE  
1/2 - 1 Mile  
Lower**

**CA WELLS    CAEDF0000087279**

Well ID:	T0608900267-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-6&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-6&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-6">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-6</a>		

**C7  
NE  
1/2 - 1 Mile  
Lower**

**CA WELLS    CAEDF0000068568**

Well ID:	T0608900267-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-3&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-3&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-3">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-3</a>		

**8  
WSW  
1/2 - 1 Mile  
Higher**

**CA WELLS    18673**

Seq:	18673	Prim sta c:	35N/02E-24Q01 M
Frds no:	4500257001	County:	45
District:	75	User id:	45C
System no:	4500257	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	405215.0	Longitude:	1214133.0
Precision:	3	Status:	AR
Comment 1:	HWY 299E AT HAYNES BURNEY CA	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:	4500257	System nam:	Bunker Hill Water Assoc
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**C9**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      CAEDF0000131522**

Well ID:	T0608900267-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-2&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-2&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-2">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-2</a>		

**C10**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      CAEDF0000042395**

Well ID:	T0608900267-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-4&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-4&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-4">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-4</a>		

**C11**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      CAEDF0000112297**

Well ID:	T0608900267-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-1&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-1&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-1">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-1</a>		

**D12**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      18678**

Seq:	18678	Prim sta c:	35N/03E-20Q01 M
Frds no:	4510003003	County:	45
District:	01	User id:	ATT
System no:	4510003	Water type:	G
Source nam:	WELL 06	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	405300.0	Longitude:	1214000.0
Precision:	5	Status:	AU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comment 7: Not Reported

System no:	4510003	System nam:	Burney Water District
Hqname:	Not Reported	Address:	P.O. DRAWER L
City:	BURNEY	State:	CA
Zip:	96013	Zip ext:	Not Reported
Pop serv:	3300	Connection:	1660
Area serve:	BURNEY		

**C13**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS CAEDF0000016449**

Well ID:	T0608900267-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-5&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608900267&amp;assigned_name=MW-5&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-5">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608900267&amp;assigned_name=MW-5</a>		

**D14**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS 18680**

Seq:	18680	Prim sta c:	35N/03E-20Q03 M
Frds no:	4510003005	County:	45
District:	01	User id:	ATT
System no:	4510003	Water type:	G
Source nam:	WELL 08	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	405300.0	Longitude:	1213959.0
Precision:	3	Status:	AU
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:	4510003	System nam:	Burney Water District
Hqname:	Not Reported	Address:	P.O. DRAWER L
City:	BURNEY	State:	CA
Zip:	96013	Zip ext:	Not Reported
Pop serv:	3300	Connection:	1660
Area serve:	BURNEY		

**E15**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS CALLNL000000153**

Well ID:	101710	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	35N/03E-20Q02 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	Argon	Results:	.000385411
Units:	cm3STP/g	Date:	12/04/2003
Chemical:	Tritium (Hydrogen 3)	Results:	9.39
Units:	pCi/L	Date:	03/30/2004
Chemical:	Neon	Results:	.000000195206
Units:	cm3STP/g	Date:	12/04/2003
Chemical:	Helium-4	Results:	.0000000435631
Units:	cm3STP/g	Date:	12/04/2003
Chemical:	Helium-3/Helium-4	Results:	.00000145454
Units:	atom ratio	Date:	12/04/2003
Chemical:	Krypton	Results:	.0000000788205
Units:	cm3STP/g	Date:	12/04/2003

**E16  
East  
1/2 - 1 Mile  
Higher**

**CA WELLS      CALLNL000000099**

Well ID:	101711	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	35N/03E-20Q03 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		
Chemical:	Argon	Results:	.00038392
Units:	cm3STP/g	Date:	12/04/2003
Chemical:	Krypton	Results:	.0000000946123
Units:	cm3STP/g	Date:	12/04/2003
Chemical:	Xenon	Results:	.0000000143448
Units:	cm3STP/g	Date:	12/04/2003
Chemical:	Tritium (Hydrogen 3)	Results:	9.47
Units:	pCi/L	Date:	03/30/2004
Chemical:	Neon	Results:	.000000197572
Units:	cm3STP/g	Date:	12/04/2003
Chemical:	Helium-4	Results:	.0000000435906
Units:	cm3STP/g	Date:	12/04/2003
Chemical:	Helium-3/Helium-4	Results:	.00000142596

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Units: atom ratio Date: 12/04/2003

**E17  
East  
1/2 - 1 Mile  
Higher**

**CA WELLS    CALLNL000000868**

Well ID:	101709	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	35N/03E-20Q01 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000386565
Units:	cm3STP/g	Date:	12/04/2003

Chemical:	Neon	Results:	.000000196958
Units:	cm3STP/g	Date:	12/04/2003

Chemical:	Tritium (Hydrogen 3)	Results:	8.51
Units:	pCi/L	Date:	03/30/2004

Chemical:	Helium-4	Results:	.0000000438552
Units:	cm3STP/g	Date:	12/04/2003

Chemical:	Helium-3/Helium-4	Results:	.00000142042
Units:	atom ratio	Date:	12/04/2003

Chemical:	Krypton	Results:	.0000000946251
Units:	cm3STP/g	Date:	12/04/2003

Chemical:	Xenon	Results:	.0000000144029
Units:	cm3STP/g	Date:	12/04/2003

**E18  
East  
1/2 - 1 Mile  
Higher**

**CA WELLS    CAUSGSN00013021**

Well ID:	USGS-405200121390001	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-405200121390001	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&amp;samp_date=&amp;global_id=&amp;assigned_name=USGS-405200121390001&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&amp;samp_date=&amp;global_id=&amp;assigned_name=USGS-405200121390001&amp;store_num=</a>		
GeoTracker Data:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E19**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAUSGS000000528**

**E20**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADDW0000002837**

Well ID:	4510003-003	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 06	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=4510003-003&store_num=		
GeoTracker Data:	Not Reported		

**E21**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADDW0000010418**

Well ID:	4510003-004	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 07	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=4510003-004&store_num=		
GeoTracker Data:	Not Reported		

**F22**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADWR0000010007**

Well ID:	35N03E20L002M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	35N03E20L002M	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=35N03E20L002M&store_num=		
GeoTracker Data:	Not Reported		

**F23**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADWR0000014132**

Well ID:	35N03E20L001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	35N03E20L001M	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=35N03E20L001M&store_num=		
GeoTracker Data:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**24**  
**West**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      18672**

Seq:	18672	Prim sta c:	35N/02E-24K02 M
Frds no:	4500175001	County:	45
District:	75	User id:	45C
System no:	4500175	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	405225.0	Longitude:	1214146.0
Precision:	3	Status:	AR
Comment 1:	HWY 299E AT HAYNES RD BURNEY	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:	4500175	System nam:	Sierra Pacific Lumber Mill
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
96013	5	0

Federal EPA Radon Zone for SHASTA 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: 96013

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.200 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<sup>R</sup> 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 State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

## RADON

### State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of 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.

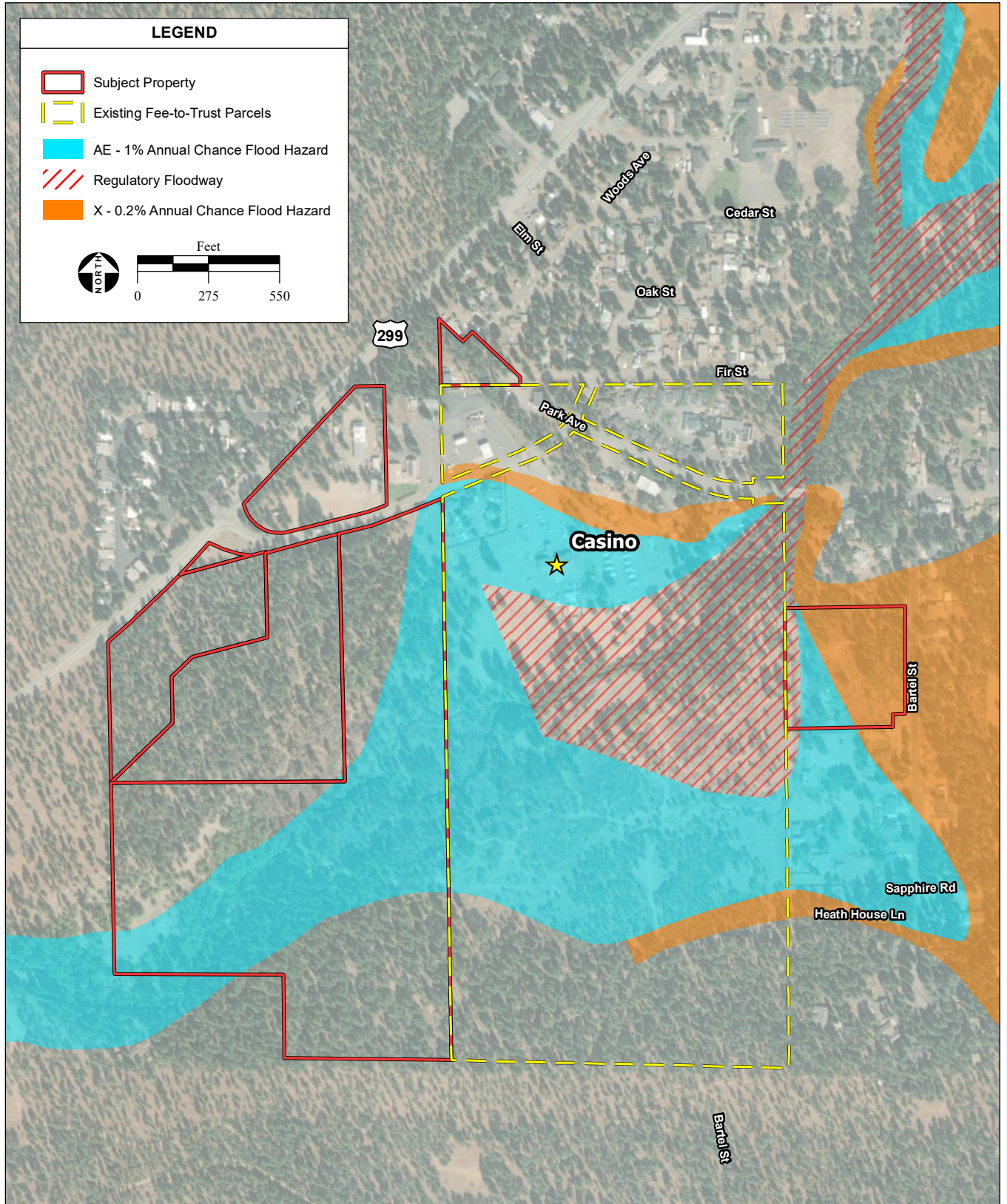
### STREET AND ADDRESS INFORMATION

Â© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

# ***APPENDIX F***

---

*FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) MAP*



SOURCE: FEMA, 2020; Shasta County Parcels, 2021; Maxar aerial photograph, 9/7/2021; ESRI, 2022; AES-Montrose, 7/14/2022

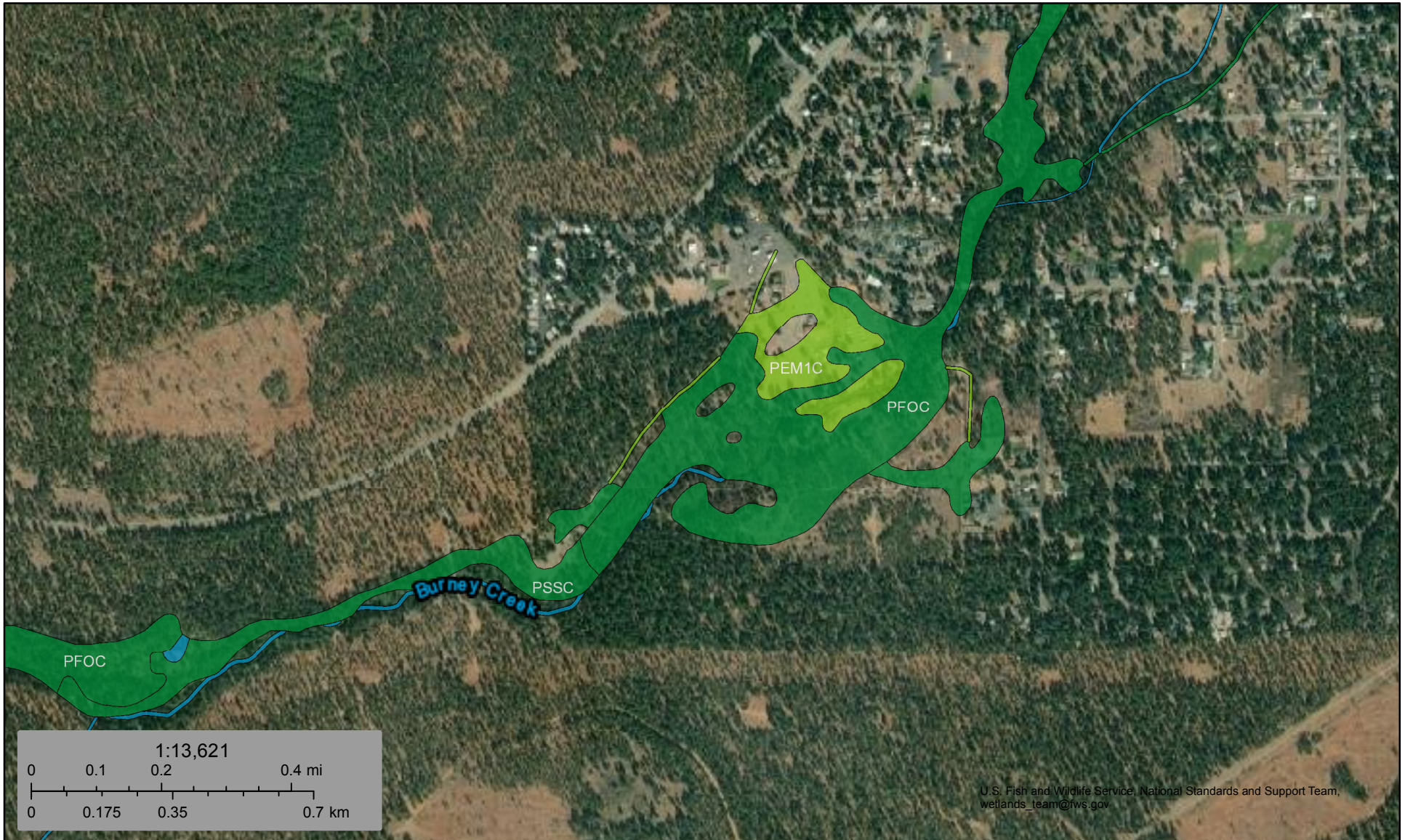
Pit River Burney FTT Phase I ESA / 222518 ■

**Exhibit A**  
FEMA Flood Types

# ***APPENDIX G***

---

*WETLANDS MAP*



U.S. Fish and Wildlife Service, National Standards and Support Team,  
wetlands\_team@fws.gov

July 13, 2022

### Wetlands

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

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

# ***APPENDIX H***

---

***QUESTIONNAIRES***



**User/Owner/Occupant/Key Site Manager Questionnaire**

This Phase I Environmental Site Assessment is being completed according to American Society for Testing and Materials (ASTM) Standard Practice E1527-13. We request your assistance in conducting this Assessment by asking that you complete this questionnaire and return it as soon as possible.

These questions should be answered by someone or a group of people that are most likely to have knowledge about the subject of the questions – typically the owner, long time tenant, or a property manager. *Please do not leave any blank.* Answer in good faith to the best of your knowledge and if you're not sure how to answer the question, feel free to contact the environmental professional for clarification.

Property Name: Pit River Burney fee-to-trust parcels

Property Address or ID Number (as applicable): Highway 299 at Tamarack Avenue

General Property Description (location, use, level of development, topography, biota, etc.):

APNs 028-170-015-000, 028-410-014-000, 028-410-015-000, 028-410-016-000, 028-410-018-000, 028-410-025-000, and 028-450-033-000

Please continue to the questions on the next page.

Question	Yes	Unsure	No	If yes, please describe
<p>1. Did a search of land title records (or judicial records where appropriate – see NOTE below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?</p> <p>NOTE — Certain jurisdictions require that environmental liens be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens.</p>	X			
<p>2. Did a search of recorded land title records (or judicial records where appropriate, see NOTE below) identify any AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?</p> <p>NOTE — Certain jurisdictions require that activity and use limitation (AULs) be filed in judicial records rather than in land title records. In such cases judicial records must be searched for AULs.</p>	X			
<p>3. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?</p>	X			
<p>4. Does the purchase price paid for the property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the lower purchase price is because contamination is known or believed to be present at the property?</p>	X			
<p>5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases of hazardous materials?</p>			X	
<p>6. Do you know the past uses on the property? If so, please generally describe the uses and how long have you have had knowledge of the property?</p>			X	

Question	Yes	Unsure	No	If yes, please describe
7. Do you know of specific chemicals that are present or once were present at the property?			X	
8. Do you know of spills or other chemical releases that have taken place at the property?			X	
9. Do you know of any environmental cleanups that have taken place at the property?			X	
10. Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of hazardous materials or petroleum product releases at the property?			X	
11. Are there any pits, ponds, or lagoons on the property that have been used in connection with waste disposal or waste treatment?			X	
12. Are there any areas of stained soil or pavement on the property?			X	
13. Are there any areas of stressed vegetation caused by something other than insufficient water on the property?	X			Oak Trees not peaking and competing with each other.
14. On the property are there any depressions, mounds, or filled/graded areas that are associated with solid waste disposal?			X	
15. Are there any liquid discharges into waterways on the property or injections into groundwater on the property?			X	
16. Are there any wells located on the property?			X	
17. Are there any septic systems or cesspools on the property?			X	

Question	Yes	Unsure	No	If yes, please describe
<p>18. Do you have or know of the existence of any of the following records related to the property?</p> <p>a) Environmental site assessment reports?  b) Environmental compliance audit reports?  c) Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permit, wastewater permits, NPDES permits, underground injection permits)?  d) Registrations for underground and above-ground storage tanks?  e) Registrations for underground injection system?  f) Material safety data sheets?  g) Community right-to-know plan?  h) Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; facility response plans, etc.?  i) Reports regarding hydrogeologic conditions on the property or surrounding area?  j) Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property?  k) Hazardous waste generator notices or reports?  l) Geotechnical studies?  m) Risk assessments?  n) Recorded Activity and Use Limitations (AULs)?</p>		X		
<p>19. Do you know of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances on the property?</p>			X	
<p>20. Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances?</p>			X	
<p>21. Do you have any reason to believe contamination is present at the property that was not covered by the above questions?</p>			X	

Name: \_\_\_\_\_ Russell Eleck \_\_\_\_\_

Title (if applicable): \_\_\_\_\_ Pit River Tribe \_\_\_\_\_

Association with Property (may check more than one if applicable):

\_\_\_\_ User (party seeking to use the Phase I Environmental Site Assessment)

X  Owner (owner of Property)

\_\_\_\_ Occupant (party occupying *or using* the Property)

\_\_\_\_ Key Site Manager (person with good knowledge or uses or physical characteristics of the Property)

Years associated with Property:      \_\_\_\_ 1 Year       X  5 Years      \_\_\_\_ 10+ Years

Sign Here *Russell Eleck*

Date: \_\_\_\_ February 10, 2023 \_\_\_\_

*If more than one person assisted in completing this form:*

Name: \_\_\_\_\_

Title (if applicable): \_\_\_\_\_

Association with Property (may check more than one if applicable):

\_\_\_\_ User (party seeking to use the Phase I Environmental Site Assessment)

\_\_\_\_ Owner (owner of Property)

\_\_\_\_ Occupant (party occupying *or using* the Property)

\_\_\_\_ Key Site Manager (person with good knowledge or uses or physical characteristics of the Property)

Years associated with Property:      \_\_\_\_ 1 Year      \_\_\_\_ 5 Years      \_\_\_\_ 10+ Years

Sign Here: \_\_\_\_\_ Date: \_\_\_\_\_

## Charlane Gross

---

**From:** Shasta County Environmental Health <scehd@co.shasta.ca.us> on behalf of Shasta County Environmental Health  
**Sent:** Thursday, July 14, 2022 2:16 PM  
**To:** Charlane Gross  
**Subject:** [EXTERNAL] RE: resent email

Good Afternoon,

Parcels 028-170-015, 028-410-014, 028-410-025, and 028-450-033 is on tribal land and not regulated by our office. We have no records for these.

For the remaining parcels, we have no records.

---

**From:** Charlane Gross <cgross@montrose-env.com>  
**Sent:** Wednesday, July 13, 2022 11:40 AM  
**To:** Shasta County Environmental Health <scehd@co.shasta.ca.us>  
**Subject:** resent email

**⚠ EXTERNAL SENDER:** Do not follow links or open attachments unless you recognize the sender and know the content is safe.

---

Hello –

I'm sorry – I just sent you an email inquiry, but got one APN wrong. This is the corrected list.

My name is Charlane Gross, I am a consultant preparing a Phase I Environmental Site Assessment for seven properties in Burney, all near the western side of town. Their APNs are:

028-170-015-000  
028-410-014-000  
028-410-015-000  
028-410-016-000  
028-410-018-000  
028-410-025-000  
028-450-033-000

I would like to know if anyone at the county has information regarding hazardous materials spills, incidents, or accidents on any of these parcels. I have attached a form letter which can be filled out if someone would like to, but would happily accept any kind of response you can send me.

Thank you,

--

Charlane Gross, M.A., RPA  
Senior Archaeologist

T: 916-447-3479 x15804 | M: 530.919.1975

[cgross@montrose-env.com](mailto:cgross@montrose-env.com)

Please note my new email address

---

Montrose Environmental Solutions, formerly AES  
1801 7th Street, Suite 100, Sacramento, CA 95811



CONFIDENTIALITY NOTICE: The contents of this email message and any attachments are intended solely for the addressee(s) and may contain confidential, proprietary and/or privileged information and may be legally protected from disclosure. If you are not the intended recipient of this message or their agent, or if this message has been addressed to you in error, please immediately alert the sender by reply email and then delete this message and any attachments and the reply from your system. If you are not the intended recipient, you are hereby notified that any disclosure, use, dissemination, copying, or storage of this message or its attachments is strictly prohibited.

# ***APPENDIX I***

---

*RESUMES*





## Gregory Buchanan, PG

### Senior Geologist

Long Beach, CA

Mobile: (562) 239-6755

Email: [gbuchanan@montrose-env.com](mailto:gbuchanan@montrose-env.com)

## Professional Experience

Mr. Buchanan is a Senior Geologist with 24 years of experience in managing subsurface investigation and site remediation projects. He is responsible for all aspects of project management including coordinating fieldwork, reporting, Agency and Client negotiations, and budget tracking to progress sites to closure. He writes Phase II proposals and performs report reviews. Prior experience includes performing Site Characterizations, Phase I and Phase II Site Assessments, Site Conceptual Models, Remedial Action Plans, O&M of Remedial Systems, and slug and pump tests. Mr. Buchanan has completed groundwater investigations, assisted with vapor intrusion investigations, and site remediation. He also provided staff oversight of projects, data analysis, and technical report review.

## Education, Licenses & Certifications

**BS Geology**, California State University Dominguez Hills, CA, 1996

**License:** Professional Geologist (PG, #8721, Exp. 11/2023), California Board of Professional Engineers, Land Surveyors, and Geologists

## Client Project Experience

### **Downey Business Center, Downey, California**

Mr. Buchanan is working with the Client and the Los Angeles Regional Water Quality Control Board (LARWQCB) to assess and remediate VOC contamination resulting from heat-treating and circuit board cleaning activities under previous ownership. Currently, five commercial/industrial buildings are undergoing soil vapor extraction (SVE) remediation.

### **Barkley Building, Orange, California**

Mr. Buchanan is working with the Client and the DTSC to assess and remediate historical VOC contamination beneath the property. The SVE network installed by the previous consultant was expanded and remediation is ongoing.

### **Commercial Building, Bellflower, California**

Mr. Buchanan is working with the new property owner and the LARWQCB to remediate historical VOC contamination from beneath the property using an SVE network installed under prior ownership.

### **Commercial Building, Los Alamitos, California**

Mr. Buchanan is working with the Client and Santa Ana RWQCB to assess and remediate VOC contamination from onsite dry-cleaning activities. He coordinated and implemented an indoor excavation beneath two suites of the building. Project management at the Site is ongoing.

### **Commercial Building, Westminster, California**

Mr. Buchanan is working with the Client and the DTSC to assess and manage historical VOC contamination beneath the Site.

## Relevant Project Experience

### Environmental Site Assessments

#### **Soil Vapor Investigation, Screening Level Health Risk Assessment for Indoor Air Quality, Los Angeles, California**

Mr. Buchanan conducted a soil vapor investigation and indoor air testing to assess the potential human health risk from possible vapor intrusion into the building from beneath the site. Historical land uses included commercial and light industrial, machine shop, and wood working facilities. Previous soil sampling had revealed tetrachloroethylene (PCE) at five feet below ground surface (bgs). In November of 2019, Mr. Buchanan managed the collection of sub-slab soil vapor sampling (and radon sampling), in conformance with the California Department of Toxic Substances Control (DTSC) and the Los Angeles Regional Water Quality Control Board (LARWQCB) specifications.

In addition, Mr. Buchanan conducted a Screening-level Risk Assessment (SLRA) to evaluate whether potential human health risks (cancer risk and non-cancer risk) were present at the site, deriving from PCE and TCE in sub-slab soil vapor. The health risk was determined to be below the California Department of Toxic Substances Control residential standards.

#### **Southgate Ranch, Phase I Environmental Site Assessment and Vapor Encroachment Screening for Former Oil and Gas Production Site, Santa Fe Springs, California**

Mr. Buchanan managed Montrose professionals to conduct a Phase I Environmental Site Assessment (ESA) according to generally accepted ESA industry standards (ASTM E 1527-13, Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process and EPA Final All Appropriate Inquiries (AAI) standard practices). Historical land uses included: oil production, gas production, injection of brine water into the subsurface, and limited residential/agricultural uses. Montrose professionals reviewed environmental databases and found that above ground storage tanks were used to store crude oil. Oil sumps and underground piping for oil and water had historically been a concern. From 2000 to present, multiple oil and injection wells

were in operation. At present, oil well abandonment activities have begun to prepare the site for redevelopment.

In addition, Mr. Buchanan conducted an ASTM E2600-10 Tier I screening and identified a remediation site and three chlorinated solvent waste sites in the established area of concern for vapor encroachment. Chlorinated solvents were chemicals of concern that could represent a vapor encroachment concern. Chlorinated solvents were also detected during the groundwater monitoring events at the remediation site. As a result, Montrose professionals determined that a vapor encroachment condition existed at the Property.

### **Cushman Wakefield, Soil and Soil Vapor Sampling at Former Oil Field Site, Santa Fe Springs, California**

From 1923 to 1978 the site was used as an oil field, with oil wells and associated above-ground gas and oil tanks. In addition, the site contained an oil sump associated with a former oil well, as well as a clarifier, which is currently used by a commercial boiler and pump repair shop. In 2019, Mr. Buchanan conducted soil sampling in the vicinity of the former gas/oil tanks and the oil sump area, using Environmental Protection Agency (EPA) Method 5035, and acetate sleeves, that were capped and sealed. The samples were analyzed by a California ELAP-accredited laboratory for total petroleum hydrocarbons (TPH), using EPA Method 8015B, and for volatile organic compounds (VOCs), using EPA Method 8260B. Mr. Buchanan also managed the installation of vapor probes, and follow-up sampling that conformed to California Department of Toxic Substances Control (DTSC) and the Los Angeles Regional Water Quality Control Board (LARWQCB) specifications.

Based on the sampling results, Mr. Buchanan wrote the final Subsurface Investigation Report.

### **Phase II Environmental Site Assessment for Former Automotive Service and Machining Facility, Orange, California**

Previous soil testing identified the presence of Trichloroethene (TCE), tetrachloroethylene (PCE), and previous soil vapor testing revealed the presence of VOCs. Continuous SVE operation began in February of 2014. In May of 2019, Mr. Buchanan managed additional borings at the site to assess total petroleum hydrocarbons, TCE, and VOC concentrations. The results of these tests demonstrated that vapor extraction would not likely be able to remove VOCs from the near-surface soil to meet California Department of Toxic Substances Control (DTSC) health risk limits. To reduce the potential vapor intrusion health risk, Mr. Buchanan recommended that a sub-slab depressurization (SSD) system be installed in each of the eight multifamily units and that the indoor air be tested to assess human health risk. Also, he determined that continued soil vapor extraction could remove additional VOC mass from the subsurface soil and could also reduce VOC concentrations in groundwater. Mr. Buchanan recommended installation of a minimum of three new groundwater wells to further define and monitor the VOC plume in groundwater and to determine the flow direction and gradient.

### **Soil Vapor Survey and Risk Assessment for Former Dry Cleaners, Rancho Cucamonga, California**

Mr. Buchanan conducted an environmental assessment of the site and recommended sub-slab soil vapor sampling of volatile organic compounds (VOCs) be conducted to assess the potential human health risk from possible vapor intrusion beneath the site. He conducted the soil vapor sampling, in accordance with the Department of Toxic Substances Control (DTSC) and the Los Angeles Regional Water Quality Control Board (RWQCB) specifications. Analytical results indicated that tetrachloroethylene (PCE) sub-slab soil vapor concentrations and trace concentrations of dichlorofluoromethane were detected. Mr. Buchanan prepared a Screening Level Sub-Slab Soil Vapor Risk Assessment in accordance with DTSC Final Vapor Intrusion Guidance dated October, 2011.

### **Los Angeles County Metropolitan Transportation Authority, Phase II Environmental Site Assessments, Underground Storage Tank Investigation, Soil Vapor Surveys, Los Angeles, CA**

Mr. Buchanan completed numerous Phase II Environmental Site Assessments as part of eminent domain proceedings related to a transportation project, including an investigation of the former locations of underground storage tanks (USTs) and former dry cleaning facilities. He conducted soil borings beneath the former USTs to a depth of up to 40 feet below ground surface. He also managed soil vapor surveys to attempt to determine if an unauthorized toxic release from former dry cleaning operations, vapor degreasers, and spray booths had occurred.

### **Chevron, Phase I/II Environmental Site Assessments for Oil Pipeline Relocation, Southern California**

Mr. Buchanan served as construction manager for an oil pipeline relocation project for a major oil company. He coordinated heavy equipment contractors during the excavation of new and existing right-of-ways, in cooperation with the local oil refinery, and the City of Torrance. In addition, he conducted Phase I/II Environmental Site Assessments and completed the project on time and under budget.

### **Soil Vapor Survey, Screening Health Risk Assessment for Dry Cleaners, Downey, California**

A dry cleaners had been operating on site for 30 years. Mr. Buchanan took soil vapor samples in accordance with the California Department of Toxic Substances Control (DTSC) and the Los Angeles Regional Water Quality Control Board specifications. Three soil-vapor borings were advanced to five feet bgs in the alley behind the site. Soil vapor sampling results indicate low Tetrachloroethylene (PCE) concentrations in all three borings. No other Volatile Organic Compounds were detected above laboratory reporting limits. A limited screening level risk assessment showed that the human health risk behind the dry cleaner was below DTSC accepted values (low Hazard Index, non-cancer risk).

### **Phase I Environmental Site Assessment for Former PVC Pipe Manufacturing Site, Downey, California**

Mr. Buchanan conducted the Phase I Environmental Site Assessment (ESA) in general conformance with ASTM E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments Process and EPA Final All Appropriate Inquiries (AAI) standard practices. Former land uses included: agricultural, Polyvinyl chloride (PVC) pipe manufacturing, commercial furniture sales, and construction materials sales.

Mr. Buchanan conducted a review of environmental regulatory databases and prior assessment reports, which identified that the Property had undergone numerous subsurface investigations to address potential environmental concerns due to former PVC pipe manufacturing operations from the early 1980s until 1993. These prior assessment reports also described investigations regarding a former heat treating facility that operated on nearby properties from the mid-1950s until 1993. Soil sampling investigations at the former heat treating facility, that did not include the Property, identified total recoverable petroleum hydrocarbon (TRPH) and volatile organic compound (VOC) impacted soil. The impacted soil was excavated, and the heat treating facility was granted closure by the Los Angeles Regional Water Quality Control Board (LARWQCB) for shallow volatile organic compound (VOC) impacted soil. Despite the issuance of site closure from LARWQCB, Mr. Buchanan recommended further investigation, as the threat to groundwater and from vapor intrusion was not assessed at either former facility.

### **Soil Vapor Survey, Indoor Air Quality Human Health Risk Assessment for Former PVC Pipe Manufacturing Site, Downey, California**

Mr. Buchanan conducted an investigation of the site of a former PVC pipe manufacturing facility to determine the potential human health risk inside each building, from soil vapor encroachment. Mr. Buchanan collected all soil-vapor samples at a depth of five feet below ground surface (bgs), using a procedure that conforms to California Department of Toxic Substances Control (DTSC) and Los Angeles Regional Water Quality Control Board (LARWQCB) specifications. Mr. Buchanan prepared a Screening Level Risk Assessment in accordance with DTSC Final Vapor Intrusion Guidance (October 2011), and DTSC Human and Ecological Risk Division (HERD)-approved Johnson & Ettinger soil gas screen, version 2.0 model (modified December 2014), which was used to estimate the potential risk due to the presence of contaminants in the soil vapor at a depth of five feet bgs. Mr. Buchanan collected a total of 40 soil vapor samples at a depth of five feet beneath the onsite buildings. Based on J&E modeling, Mr. Buchanan determined that potential health risk was below DTSC screening levels in the buildings, and recommended no further investigation.

#### **Clarifier Removal and Soil Sampling, El Segundo, California**

Mr. Buchanan managed the removal of one in-ground 1,000-gallon capacity, three-stage concrete clarifier from the site. The clarifier was removed in accordance with a City of El Segundo Waste Closure Permit. In December of 2019, Mr. Buchanan managed the process of removing the clarifier, rinsing and cleaning it, and transportation of non-hazardous wastewater and debris for disposal. Since there was no evidence of staining in the clarifier excavation or soil stockpile, it was transported for disposal with a destruction certificate and wastewater manifest. Following excavation of the clarifier, Based on the soil sampling results, Mr. Buchanan wrote the final Clarifier Removal and Soil Sampling Report and recommended no further investigation at the site.

## Groundwater Monitoring and Remediation

#### **Groundwater Monitoring Well Installation, Groundwater Sample Testing at Former Dry Cleaners Facility, Pico Rivera, California**

Mr. Buchanan managed the installation of three onsite wells to approximately 100 feet below ground surface (bgs) to replace the four onsite wells that had been dry for several years. The site was located in a retail shopping center that contained a former dry-cleaners. In addition, he prepared a site-specific Health and Safety Plan in accordance with Occupational Safety and Health Administration regulations, 29 CFR 1910.120, and applicable Department of Toxic Substances Control (DTSC) guidance. The Plan identified potential hazards associated with physical activities and potential exposure to hazardous constituents identified during previous sampling activities at the facility. Tetrachloroethylene (PCE) Chloroform and Acetone were detected at low concentrations. He also prepared a Groundwater Monitoring Well Installation Report for submittal to the Los Angeles Regional Water Quality Control Board (LARWQCB), that indicated no VOCs were detected above Maximum Contaminant Levels (MCLs). Therefore, Mr. Buchanan recommended that LARWQCB consider the groundwater portion of the case for final monitoring and closure.

#### **Former Wright Terminal, Groundwater Monitoring and Remediation, Air Sparging, Long Beach, California**

Since 2000, Montrose has been conducting groundwater monitoring at the former Wright Terminal that had operated as a petroleum refinery from the 1930's until 1986, and from 1986 to 1989 as a fuel-storage and fuel-blending facility. The 5.6-acre site has since been redeveloped and is currently occupied by a large warehouse building. In 2016, Montrose professionals installed an air sparging well to assist in the remediation of VOC contamination in the perched groundwater. Mr. Buchanan tested groundwater samples for total petroleum

hydrocarbons and volatile organic compounds and submitted quarterly Groundwater Monitoring and Remediation progress reports to the California Water Resources Control Board.

**Los Angeles County Sanitation Districts, Remedial Action Workplan, Soil Vapor Extraction, Soil and Groundwater Remediation for Former Oil Refinery Site, Carson, California**

Los Angeles County Sanitation Districts (LACSD) wanted to demolish a former refinery on a property adjacent to LACSD's Joint Water Pollution Control Plant (JWPCP), in preparation for future development. In 2000, LACSD had purchased the 36-acre property to act as a buffer for the JWPCP. Past operations of the facility had resulted in soil and groundwater contamination, with crude and refined hydrocarbon products. Up to ten feet of free product had been reported on the groundwater, which is approximately 70 feet below the surface.

Mr. Buchanan managed sparging and vapor extraction pilot tests on the site. Mr. Buchanan managed groundwater monitoring well installation and performed semi-annual groundwater monitoring/sampling. In addition, Mr. Buchanan recently concluded implementation of a Data Gap Investigation Work Plan that included investigative borings, utilizing cone penetration testing (CPT) and ultraviolet optical screening tools (UVOST), in-situ chemical oxidation (ISCO) feasibility testing, surfactant enhanced product recovery (SEPR) testing, current light non-aqueous phase liquids (LNAPL) distribution in groundwater, and air sparge/vapor extraction pilot testing. Mr. Buchanan wrote the report to identify and recommend procedures and methods for collecting the data necessary to prepare a Remedial Design Implementation Plan for deep soils and groundwater and to assess the contingent remedies.

**Santa Clarita Sheriff Station, Geoprobe Investigation, Groundwater Sampling, ORC Barrier, Santa Clarita, CA**

Mr. Buchanan conducted a Geoprobe investigation for a new groundwater monitoring well placement at the Santa Clarita Sheriff's station. Mr. Buchanan managed the installation of an Oxygen Release Compound (ORC) barrier and additional ORC borings in the source area with a Geoprobe rig. He performed groundwater sampling and vapor extraction operations and maintenance (O&M) at the site. Mr. Buchanan used a Membrane Interface Probe in conjunction with a Cone Penetration Testing rig to delineate a free phase product plume up gradient of the source area.

**Underground Tank Removal and Soil Sampling Report for Former Gasoline Service Station, Los Angeles, California**

Mr. Buchanan managed the removal of three double-wall steel 12,000-gallon gasoline underground storage tanks (USTs), one double-wall steel 1,000-gallon waste oil UST, four dispensers, and associated product piping from a former gasoline service station site, in accordance with a permit from the Los Angeles Fire Department (LAFD) and with South Coast Air Quality Management District Rule 1166 soil monitoring requirements. Prior to removal, the USTs were examined by Montrose's Certified Industrial Hygienist and were found to be in good condition. Three soil samples were collected from beneath each 12,000-gallon UST; two samples were collected from beneath the waste oil UST, a single soil sample was collected from beneath each of the four dispensers, and four samples were collected from beneath the approximately 80 feet of product-piping. The soil samples were collected, in accordance with Environmental Protection Agency (EPA) preservation Method 5035 for analyses of Volatile Organic Compounds (VOCs) and Oxygenates by EPA Method 8260B, and for Total Petroleum Hydrocarbons (TPH carbon-chain ID) by EPA Method 8015B, and they were analyzed by a California Environmental Laboratory Accredited Program (ELAP) certified laboratory. Concentrations of TPH as gasoline,

TPH as diesel, and low volatile organic compounds (VOCs) were detected above LAFD action levels, and therefore, Mr. Buchanan recommended further investigation.

**US Marine Corps Air Station El Toro SUPERFUND site, Environmental Site Investigation for 300 Underground Storage Tanks, El Toro, California**

The El Toro Marine Corps Air Station covers about 4,700 acres. Commissioned in 1943, it supported the Fleet Marine Forces in the Pacific Ocean, serving as the major west coast jet fighter facility. Mr. Buchanan conducted an environmental site assessment at the US Marine Corps Air Station El Toro SUPERFUND site in El Toro, California. He conducted a survey of the 300 underground storage tanks (USTs) onsite. He researched historical records on environmental regulatory databases for the presence of toxic releases, conducted on-site visual inspections, and determined the preliminary level of risk for soil/soil vapor contamination at each UST.

**Real Estate Investor / Southgate and Downey, CA**

Working with Client to remediate solvent plumes in soil and groundwater beneath a commercial property. Performed initial site assessments, and installed soil vapor extraction system and associated wells. Reduced human health risk to below screening level, performed conformation testing, and received regulatory closure of the South Gate site from the Los Angeles County Fire Department. Assessment and remediation is ongoing at the Downey site.

**Real Estate Investor / Pico Rivera**

Working with a Client on soil-vapor assessment/intrusion project at an existing retail property and nearby residential property under Los Angeles Regional Water Quality Control Board (RWQCB-LA) guidance.

**Business Real Estate Owner**

Working with a Client and Regional Water Quality Control Board (RWQCB) to assess indoor and soil vapor contamination at an industrial park in Baldwin Park.

**Business Real Estate Owner / Los Alamitos**

Working with Client to assess and mitigate volatile organic compound (VOC) release from a former dry cleaning facility in a Retail Center. Coordinated excavation of VOC-impacted soil inside the building tenant space, waste disposal, and final report. Designed horizontal soil vapor depressurization system (SDDS) for the site. Currently mitigating vapor intrusion into the building and reducing VOCs in soil vapor by several orders of magnitude. Assessment under the oversight of the Santa Ana Regional Water Board is ongoing.

**Various Phase II Assessments / Los Angeles, CA**

Completed Phase II assessments recommended in Phase I reports, prepared by Leymaster Environmental. Responsibilities included proposals, sample collection, and final reports.

**Real Estate Investor / Canoga Park, CA**

Prepared a site for residential development that was a former onsite gasoline station discovered during Phase I assessment and removal of impacted soil under Regional Water Board guidance.

**Private Company / National City, CA**

Provided project management and technical input during multiple underground storage tank (UST) removals at a large industrial property. Interfaced with San Diego County and National City Fire officials to resolve site issues.

**Real Estate Investor / Rancho Dominguez, CA**

Worked with a Client and Department of Toxic Substances Control (DTSC) to investigate chlorinated solvent releases at a large industrial property. Concerns included hazardous material storage areas, former underground storage tank (UST) and clarifier, discharge areas, and vapor intrusion concerns.

**Private Company / Escondido, CA**

Worked with National Client Manager to investigate industrial property for environmental concerns. Discovered underground storage tank (UST) during ground penetrating radar (GPR) survey. Negotiated with property owner to remove UST, under San Diego County guidance, and performed additional investigation, as required by the County.

**Project Management / Various Retail Sites / CA**

Managed service station projects under a Management Transfer (MT) program. Responsible for all aspects of project management including coordinating fieldwork, reporting, and budget tracking to progress these sites to closure. Worked extensively with the San Diego Department of Environmental Health, the County of Orange Health Care Agency, and the Los Angeles Water Quality Control Board.

**Emergency Response / Petroleum / Montebello, CA**

Managed an unauthorized release of petroleum hydrocarbons project line in Montebello, California. Worked with District and their consultant to remediate the site, and received closure from the DTSC.

**MECX Chemical Oxidation and Implementation**

Developed several chemical oxidation proposals for the public and private sectors. Estimated oxidant requirements using client-provided data. Analyzed bench-test data, prepared oxidation equipment, and performed chemical oxidation field work. Interpreted field results and prepared chemical oxidation progress reports.

**Subsurface Remediation / Cement Plant / Palmdale, CA**

Supervised a large diameter excavation of contaminated soil project at a cement production facility in Antelope Valley, California. Supervised the installation of a soil cap over an existing 23-acre cement kiln dust pile to control leaching into groundwater.

**Subsurface Investigation / Utility Contractor / Santa Fe Springs, CA**

Prepared a feasibility study for an industrial facility in Santa Fe Springs, California. Performed a Geoprobe investigation in the source area and prepared a Risk Assessment report. Performed a high volume pump test at the Site, and prepared a Site Conceptual Model for the site.

**Subsurface Investigation / Recycling Facility / Rancho Dominguez, CA**

Characterized methylene chloride contamination under an industrial facility using a Membrane Interphase Probe (MIP) in Rancho Dominguez, California. Installed and operated a two phase vapor extraction system at the site.



## Employment History

**Montrose Environmental Solutions, Senior Geologist, 2017 - Present**

**ATC Cardno, Geologist/Project Manager, 2011 - 2017**

**Conestoga Rovers & Associates, Project Geologist, 2008 – 2011**


**Tait & Associates, Project Manager/Geologist, 2006 – 2008**

**MECX, Geologist, 2005 – 2006**

**Tait & Associates, Geologist, 1999 – 2005**

# CHARLANE GROSS, RPA



	<b>Education:</b> M.A., Anthropology, San Jose State University B.A., Anthropology, University of California-Berkeley
	<b>Certification:</b> Registered Professional Archaeologist #11854
<b>Key Qualifications</b> <ul style="list-style-type: none"> <li>▪ 30+ years of management, field, and research experience</li> <li>▪ Experience in CEQA, NEPA, and Section 106 and Section 110 of the National Historic Preservation Act</li> </ul>	<p>Ms. Gross has over 30 years of management, field, and research experience in the field of archaeology, as well as completing numerous Phase I Environmental Site Assessments over the course of the last 12 years. Ms. Gross has considerable experience in completing hazardous materials background research, field surveys and documentation for Phase I evaluations for CEQA and NEPA documents.</p>
<b>Key Project Experience</b> <ul style="list-style-type: none"> <li>❖ Chickasaw Nation Kingston Development Project Phase I, Marshall County, OK</li> <li>❖ Chickasaw Nation Riverwind Fee-to-Trust Project Phase I, McClain County, OK</li> <li>❖ Chickasaw Nation Winstar Fee-to-Trust Project Phase I, Love County, OK</li> <li>❖ Menominee Phase I, Kenosha County, MI</li> <li>❖ Trinidad Rancheria Phase I, Trinidad, CA</li> <li>❖ 2300 Fair Oaks Drive Phase I, Sacramento County, CA</li> <li>❖ Casa Grande Cultural Study and Phase I, Sonoma County, CA</li> <li>❖ Confederated Tribes of the Colville Reservation Cultural Study and Phase I, Franklin County, WA</li> <li>❖ Elk Valley Rancheria Environmental Opinion Project Cultural Study and Phase I, Del Norte County,</li> <li>❖ Casagranda Development Project Cultural Study and Phase I, Sonoma County, CA</li> <li>❖ 2450 Natomas Park Drive Phase I, Sacramento County, CA</li> <li>❖ Picayune Rancheria Bible Story Property Cultural Study and Phase I, Madera County,</li> <li>❖ Picayune Rancheria Hawkins Valley Property Cultural Study and Phase I, Madera County, CA</li> <li>❖ Lytton Rancheria Fee-to-Trust Project, Kidd Creek Property, Cultural Study and Phase I, Sonoma County, CA</li> <li>❖ Lytton Rancheria Fee-to-Trust Project, Alexander Valley Property, Cultural Study and Phase I, Sonoma County, CA</li> <li>❖ Lytton Rancheria Fee-to-Trust Project, Windsor Properties, Cultural Study and Phase I, Sonoma County, CA</li> <li>❖ Lytton Rancheria Fee-to-Trust Project, Starr Road Properties, Cultural Study and Phase I, Sonoma County, CA</li> <li>❖ Lytton Rancheria Fee-to-Trust Project, San Pablo Boulevard Cultural Study and Phase I, Contra Costa County, CA</li> <li>❖ 2277 Fair Oaks Boulevard Development Project Phase I, Sacramento County, CA</li> <li>❖ Buena Vista Rancheria Fee-to-Trust Project, Cultural Study and Phase I, Amador County, CA</li> </ul>	

*Our mission: To help protect the air we breathe, the water we drink, and the soil that feeds us.*

# **APPENDIX PREP**

---

---

CONSULTATION, COORDINATION, AND PREPARERS

# SECTION 5.0 Consultation, Coordination, and Preparers

---

## 5.1. LEAD AGENCY

Bureau of Indian Affairs (BIA)

## 5.2. TRIBES CONSULTED

Pit River Tribe

## 5.3 AGENCIES CONSULTED

Agency	Details
Pit River Tribal Historic Preservation Officer	The results of the study were sent to the Pit River Tribal Historic Preservation Officer who recommended a finding of <i>No Historic Properties Affected</i> .
California State Historic Preservation Officer	The Pit River Tribal Historic Preservation Officer forwarded the study findings and the California State Historic Preservation Officer concurred with the finding of <i>No Historic Properties Affected</i> .
U.S. Department of Agriculture Natural Resources Conservation Service	A custom Soil Resource Report of soil types on the project area was obtained. A copy of the search results is included in <b>Appendix SOIL</b> .
U.S. Fish & Wildlife Service, Sacramento Office	The USFWS was consulted to obtain a list of federally listed species with the potential to occur in the project area. Additionally, the USFWS National Wetlands Inventory was consulted to identify potential wetlands and waters in the project area. A copy of the search results is included in <b>Appendix BIO</b> .
California Department of Fish and Wildlife	The California Department of Fish and Wildlife California Natural Diversity Database was consulted to obtain a list of listed endangered, threatened, or candidate endangered species recognized throughout the state. A copy of the search results is included in <b>Appendix BIO</b> .

## 5.4 PREPARERS OF ENVIRONMENTAL ASSESSMENT

### MONTROSE ENVIRONMENTAL

Kt Alonzo, Principal

Kelli Raymond, Project Manager

Diana Roberts, Project Manager

Charlane Gross, RPA, Project Coordinator

John Fox, Analyst

Alex Fraser, GIS/Analyst

Bryana Clark, Analyst

Sasha Korolkov, Analyst

Kyle Trisler, Analyst

Dana Hirschberg, GIS

# **APPENDIX REG**

---

---

APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND  
REGULATIONS

# APPENDIX A

---

## APPLICABLE FEDERAL, STATE, AND LOCAL LAWS & REGULATIONS

Federal, state, and local laws and regulations relevant to Alternatives A and B included below. As discussed in the Environmental Assessment, state and local laws and regulations apply to the Property prior to acquisition into trust, but are generally not applicable to land in trust.

### LAND RESOURCES

#### FEDERAL

##### **National Earthquake Hazards Reduction Program**

The Earthquake Hazards Reduction Act of 1977 (Public Law 95-124, 42 United States Code 7701 et. seq.), as amended in 2004 (Public Laws 101-614, 105-47, 106-503, and 108-360), established the National Earthquake Hazards Reduction Program. This program was designed to develop measures for earthquake hazard reduction and improve the understanding of earthquakes and their effects.

#### STATE AND LOCAL

##### **Alquist-Priolo Earthquake Fault Zoning Act**

The Alquist-Priolo Earthquake Fault Zoning Act (formerly the Alquist-Priolo Special Studies Zone Act), signed into law December 1972, requires the delineation of zones along active and potentially active faults in California. The California Geological Survey (CGS) defines an “active” fault as one that exhibits evidence of activity during the last 11,000 years. Faults that exhibit evidence of quaternary activity are considered to be “potentially active.” The purpose of the Alquist- Priolo Act is to regulate development on or near fault traces to reduce the hazard of fault rupture and limit the location of structures in these areas.

##### **Seismic Hazards Mapping Act**

The Seismic Hazards Mapping Act was enacted in 1991 to protect the public from the effects of strong ground shaking, liquefaction, landslides, ground failure, or other hazards caused by earthquakes. This act requires a state geologist to delineate various seismic hazard zones and requires cities, counties, and other local permitting agencies to regulate certain development projects within the portions of the zones over which they have jurisdiction. Before a development permit is granted by a city, county, or other local permitting agency for a site within a seismic hazard zone, a geotechnical investigation of the site must be conducted and appropriate mitigation measures must be incorporated into the project’s design.

##### **California State General Plan Guidelines**

The California State General Plan Guidelines discusses required land use elements which must designate the proposed general distribution, general location and extent of land uses for: Housing, business, industry, open space, agricultural, natural resources, recreation facilities, educational facilities, future solid and liquid waste facilities, greenways, and Timberland Preserve Zone lands. For housing, business,

and industry a land use element must designate the general distribution, location, and allowable intensity of uses for these areas. A land use element must provide location and distribution of land uses for “open space, including agricultural natural resources, recreation, and enjoyment of scenic beauty” (Gov. Code § 65302(a)). Additional land use elements designations for Timberland Production Zone lands discourage expanding urban services into Timberlands and “premature or unnecessary conversions of timberland to urban and other uses.”

### **Shasta County General Plan Housing Element**

Chapter 6.2 of the housing element in the Shasta County General Plan discusses a combination of planning requirements from the mandated Land Use, Conservation and Open Space Elements which are mandatory to the preservation of Timberlands. Timberland management in the County of Shasta protects the development and utilization of natural resources, protection over watersheds, open space for production of resources, and provides zoning designations to restrict land use to growing, harvesting and compatible land uses. Section 6.2.3 outlines objectives for the preservation of land zoned as Timberland. Chapter 6.9 of the housing element discusses open space and recreation. Open space is defined by Government Code Section 65560(b) and includes any parcel or area of land or water which is essentially unimproved and designated as such.

## **WATER RESOURCES**

### **FEDERAL**

#### **Executive Order 11988**

Executive Order (EO) 11988 requires federal agencies to limit adverse impacts associated with the occupancy or modification of floodplains and to avoid direct and indirect support of floodplain development wherever there is a practicable alternative. Specifically, EO 11988 states that agencies shall first determine whether the proposed action will occur in a floodplain. EO 11988 defines a floodplain as an area that has a one percent or greater chance of flooding in any given year. Second, if an agency proposes to allow an action to be located in a floodplain, “the agency shall consider alternatives to avoid adverse effects and incompatible development in the floodplains.” If the only practicable alternative action requires sitting in a floodplain, the agency is required to minimize potential harm to or within the floodplain.

#### **Disaster Relief Act: Federal Emergency Management Agency**

The Disaster Relief Act of 1974, as amended by the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, created the Federal Emergency Management Agency (FEMA), which is responsible for determining flood elevations and floodplain boundaries based on U.S. Army Corps of Engineers (USACE) studies. FEMA is also responsible for distributing Flood Insurance Rate Maps, which are used in the National Flood Insurance Program. These maps identify the locations of special flood hazard areas, including 100-year floodplains.

#### **Clean Water Act (CWA)**

The CWA, 33 U.S. Code (USC) Section 1251(a)(2), sets forth national goals that waters shall be “fishable,



swimmable” waters (CWA Section 101 [a][2]). The CWA addresses both point and non-point sources of pollution (Sections 402 and 319, respectively), both of which are controlled through the National Pollution Discharge Elimination System (NPDES).

The CWA delegates to the states to establish a priority ranking of these impaired waters for purposes of developing water quality control plans that include Total Maximum Daily Loads (TMDL). A TMDL is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards and includes an allocation for each of the pollutant’s sources. These water quality control plans describe how an impaired water body will meet water quality standards through the use of TMDLs.

### **NPDES Permitting Program**

An NPDES permit must be obtained in order to discharge policy pollutants into “Waters of the U.S.” In some states, the U.S. Environmental Protection Agency (USEPA) has delegated permitting authority to the regional water quality agency. On Tribal land, the USEPA retains authority to regulate discharges. Section 303(d) of the CWA requires states to periodically prepare a list of all surface waters in their respective jurisdictions for which beneficial uses of the water—such as for drinking, recreation, aquatic habitat, and industrial use—are impaired by pollutants. These include water bodies that do not meet state surface water quality standards and are not expected to improve within the next two years.

### **Anti-Degradation Policy**

Federal policy (Code of Federal Regulations [CFR], Title 40, Part 131.6) specifies that each state must develop, adopt, and retain an anti-degradation policy to protect the minimum level of surface water quality necessary to support existing uses. Each anti-degradation policy must include implementation methods consistent with provisions outlined in 40 CFR §131.12. On trust land, such issues are addressed by the USEPA.

### **Safe Drinking Water Act**

Under the mandate of the Safe Drinking Water Act (SDWA), the USEPA sets legally enforceable National Primary Drinking Water Regulations (primary standards) that apply to public water systems. These standards are established to protect human health by limiting the levels of contaminants in drinking water. The USEPA does not oversee the construction and permitting of groundwater wells, but requires that public health standards, such as an effectively installed sanitary seal, are in place. The most direct oversight of water systems is conducted by state drinking water programs if the State has been granted “primacy” from the USEPA, the authority to implement SDWA within their jurisdictions. The USEPA will also primarily establish monitoring and operational requirements, which will typically be specific to the project area.

The USEPA also defines National Secondary Drinking Water Regulations (secondary standards) for contaminants that cause cosmetic and aesthetic effects, but not for health effects. The USEPA recommends that these secondary standards be met but does not require systems to comply with them. Both primary and secondary drinking water standards are expressed as either Maximum Contaminant

Levels (MCL), which define the highest level of a contaminant allowed in drinking water, or Maximum Contaminant Level Goals, which define the level of a contaminant below which there is no known or expected risk to health.

## STATE AND LOCAL

### **Porter-Cologne Water Quality Control Act**

The Porter-Cologne Water Quality Control Act (Division 7 of the California Water Code [Water Code]) provides the basis for surface water and groundwater quality regulation within California. This act established the authority of the State Water Resources Control Board (SWRCB) and the nine Regional Water Quality Control Boards (RWQCBs). The Porter Cologne Act (§13242) requires that a TMDL program of implementation be developed in the Regional Water Quality Control Plans for water bodies listed under Section 303 of the CWA that describes how water quality objectives will be attained.

### **RWQCB's Anti-degradation Policy**

The Porter-Cologne Act requires the State to designate beneficial uses of surface water and groundwater, and to specify water quality objectives designed to protect those uses. These water quality objectives are presented in the Regional Water Quality Control Plans (basin plans). Basin plans are developed and periodically reviewed to fulfill the State's requirements of the anti-degradation policy of the CWA. Each basin plan provides a technical basis for determining WDRs and regulatory enforcement action. The project site is within the North Coast Region.

### **California Water Code**

The California Water Code designates the California Department of Public Health (CDPH) as the lead agency responsible for developing uniform statewide recycling criteria for each type of use of treated wastewater for the protection of public health. The CDPH and the RWQCBs are directed under the Water Code to regulate treated wastewater production and use. The CDPH has jurisdiction over the production of treated wastewater and the enforcement of California Code of Regulations (CCR) Title 22 for treated wastewater criteria. The RWQCB is responsible for issuing treated wastewater use requirements.

### **Shasta County General Plan**

The objectives and policies contained in this element of the County of Shasta General plan address the countywide water needs with particular attention to South Central Urban Region (SCR) while recognizing the statewide importance of County water resources as well as the importance of the two significant groundwater basins, the Redding Groundwater Basin and the Fall River Valley Basin, and the high contribution of surface flows to water resource diversions. This element also recognizes risks to water resources within its policies, promoting interagency water resource planning, targeting minimizing sedimentation and erosion, as well as enforcing proper design and soil selection of septic systems within the County among other policy items.

# AIR QUALITY

## FEDERAL

### Clean Air Act of 1970

The Federal Clean Air Act (CAA) was enacted in 1970 and last amended in 1990 (42 USC §7401 et seq.) for the purposes of protecting and enhancing the quality of the nation’s air resources to benefit public health, welfare, and productivity. The CAA establishes a framework for national, state, and local air pollution control efforts. Basic components of the CAA and its amendments include national ambient air quality standards (NAAQS) for criteria air pollutants, requirements for state implementation plans (SIPs) to meet the NAAQS, motor vehicle emissions standards, stationary source emissions standards and permits, and enforcement provisions. The EPA is the federal agency responsible for establishing the NAAQS, overseeing state air programs as they relate to the CAA, approving SIPs, and setting emissions standards for mobile sources under federal jurisdiction.

### National Ambient Air Quality Standards

The USEPA, under authority of the CAA, developed primary and secondary NAAQS in 1971. The primary NAAQS protect the public health with an adequate margin of safety, and the secondary standards protect the public welfare from known or anticipated adverse effects to aesthetics, crops, or architecture (42 USC §7409[b]). The EPA designated six pollutants of primary concern as criteria air pollutants (CAPs): carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>), nitrogen dioxide (NO<sub>2</sub>), ozone, lead (Pb), and particulate matter (PM). The NAAQS are time-averaged maximum ambient air concentrations. For various CAPs, more than one time-averaged maximum concentration has been established by the EPA in order to address the typical exposures to the population from natural and anthropogenic sources in the environment. Concentrations above these time-averaged maximum concentrations are anticipated to cause adverse health effects to sensitive receptors. The violation criteria established by the EPA are based upon these time-averaged maximum concentrations specific to each CAP. For example, the NAAQS for ozone must be exceeded on more than three days in three consecutive years in order to constitute a violation. On the other hand, if the NAAQS for CO are exceeded on more than one day in any given year, a violation has occurred. **Table 1** presents the violation criteria for the various averaging times of the NAAQS for each CAP.

### Attainment Status

To determine conformance with the NAAQS, states are responsible for providing ambient air monitoring data to the USEPA. The USEPA then determines, using the violation criteria, if the results of the monitoring data indicate compliance with the NAAQS. The USEPA classifies areas in compliance with the NAAQS as being in "attainment". Areas that do not meet the NAAQS are classified as being in "nonattainment" by the USEPA.

**Table 1. NAAQS AND ASSOCIATED VIOLATION CRITERIA**

Pollutants	Times	Primary		Violation Criteria
		ppm	µg/m <sup>3</sup>	
Ozone	8 hours	0.70	-	The 3-year average of the annual 4 <sup>th</sup> highest daily 8-hour maximum is not to be above

				0.070 µg/m <sup>3</sup>
Carbon Monoxide	8 hours	9	10,000	If exceeded on more than 1 day per year
	1 hour	35	40,000	If exceeded on more than 1 day per year
Nitrogen Dioxide	Annual average	0.053	-	Not to be above 0.053 ppm in a calendar year.
	1 hour	0.100	-	The 3-year average of the 98 <sup>th</sup> percentile of the daily maximum 1-hour average at each monitor is not above 0.100 ppm.
Sulfur Dioxide	1-hour	0.075	-	99 <sup>th</sup> percentile of 1-hour daily maximum averaged over 3 years.
PM <sub>10</sub>	24 hours	-	150	Not to be above 150 µg/m <sup>3</sup> on more than three days over three years with daily sampling
PM <sub>2.5</sub>	Annual arithmetic mean	N-	12 (see note)	The 3-year average from a community-oriented monitor is not above 12 µg/m <sup>3</sup> .
	24 hours	-	35	The 3-year average of the 98 <sup>th</sup> percentile for each population-oriented monitor within an area is not above 35 µg/m <sup>3</sup> .
Lead	Rolling –3 Month Average	-	0.15	Not to be above 0.15 µg/m <sup>3</sup> .
	Quarterly Average	-	1.5	-
<p>Note: On February 7, 2024 the USEPA strengthened the NAAQS for the annual PM<sub>2.5</sub> to 9.0 micrograms per cubic meter. At this time, this change has not been published in the Federal Register. New designations for this standard will be available within two years of issuing the revised NAAQS. It is anticipated that Shasta County would meet the new standard.</p> <p>Source: USEPA, 2024.</p>				

### General Conformity

The federal General Conformity Rule implements Section 176(c) of the CAA, and establishes minimum thresholds for reactive organic compounds (ROGs) and nitrogen oxides (NOx) (ozone precursors), particulate matter (PM), and other regulated constituents for nonattainment and maintenance areas. Under the General Conformity Rule, the lead agency with respect to a federal action is required to demonstrate that the proposed federal action conforms to the applicable SIP before the action is taken. There are two phases to a demonstration of general conformity:

1. The Conformity Review process, which entails an initial review of the federal action to assess whether a full conformity determination is necessary, and
2. The Conformity Determination process, which requires that a proposed federal action be demonstrated to conform to the applicable SIP.

The Conformity Review requires the lead agency to compare estimated emissions to the applicable general conformity *de minimis* threshold(s). If the emission estimates from step one is below the applicable threshold(s), then a general conformity determination is not necessary, and the full Conformity

Determination is not required. If emission estimates are greater than *de minimis* levels, the lead agency must conduct a formal Conformity Determination. Shasta County is unclassifiable or in attainment for all of the national ambient air quality standards.

**Federal Class I Areas**

Title 1, Part C of the CAA was established, in part, to preserve, protect, and enhance the air quality in national parks, national wilderness areas, national monuments, national seashores, and other areas of special national or regional natural, recreational, scenic, or historic value. The CAA designates all international parks, national wilderness areas, and memorial parks larger than 5,000 acres and national parks larger than 6,000 acres as “Class I areas.” The CAA prevents significant deterioration of air quality in Class I areas under the Prevention of Significant Deterioration (PSD) program. Any major source of emissions within 100 kilometers (km; 62.1 miles) from a federal Class I area is required to conduct a pre-construction review of air quality impacts on the area(s). There are three Class I areas within 100 km (62.1 miles) of the Project Site, Thousand Lakes Wilderness, Lassen Volcanic National Park and Caribou Wilderness. It is not anticipated that the Project will be a major source.

**Tribal Minor New Source Review**

The Tribal Minor New Source Review (NSR) permitting program was established by the USEPA under the CAA. The minor NSR program applies to both new minor sources and minor modifications to both major and minor projects in attainment and nonattainment areas. NSR programs must comply with the standards and control strategies of the Tribal Implementation Plan (TIP) or SIP. If there is not an applicable SIP or TIP, the USEPA issues permits and implements the program. A General Permit under the minor NSR program would be required on tribal trust land if stationary source allowable emissions of regulated pollutants would exceed the thresholds presented in 40 CFR 49.153, (Table 2). This General Permit serves as a preconstruction permit containing limitations and other restrictions specifying the construction, modification, and operation of a minor source. The applicability of Tribal NSR is made on a source’s potential to emit (PTE)..

**TABLE 2. TRIBAL MINOR NEW SOURCE REVIEW THRESHOLDS**

Pollutant	Emissions Thresholds for Nonattainment Areas (tpy)	Emissions Thresholds for Attainment Areas (tpy)
NOx	5	10
ROG	2	5
PM	5	10
PM <sub>10</sub>	1	5
PM <sub>2.5</sub>	0.6	3
CO	5	10
SO <sub>2</sub>	5	10
Pb	0.1	0.1
Source: 40 CFR 49.153.		

## **Federal Hazardous Air Pollutant Program**

The Federal Hazardous Air Pollutant Program designates the USEPA as the agency with jurisdiction for issuing regulations regarding air quality on Tribal land. In addition to CAPs, the CAA requires the USEPA to regulate hazardous air pollutants (HAPs). The USEPA maintains a list of over 180 airborne chemicals that are recognized as HAPs. Title III of the CAA requires the USEPA to promulgate National Emissions Standards for Hazardous Air Pollutants (NESHAP). The NESHAP may differ between major sources 5 APPENDIX A and area sources of hazardous air pollutants (HAPs). Major sources are defined as stationary sources with potential to emit more than 10 tons per year (tpy) of any HAP or more than 25 tpy of any combination of HAPs; all other sources are considered area sources.

## **Climate Change**

Climate change is a global phenomenon attributable to the sum of all human activities and natural processes.

EO 13990 directs agencies to consider all available tools and resources in assessing GHG emissions and climate change effects of their proposed actions, including the 2023 National Environmental Policy Act Guidance on Consideration of Greenhouse Gas Emissions and Climate Change. To assess impacts, the 2023 GHG Guidance states that federal agencies should quantify direct and indirect emissions of the project alternatives with the level of effort being proportionate to the scale of the emissions relevant to the NEPA review.

The CEQ guidance advises federal lead agencies to consider the following:

1. The potential effects of a proposed action on climate change as indicated by assessing GHG emissions.
2. The effects of climate change on a proposed action and its environmental impacts.

On February 19, 2021, Secretary of the Interior Deb Haaland issued Secretarial Order (SO) 3399 to prioritize action on climate change throughout the Department and to restore transparency and integrity in the Department's decision-making processes. SO 3399 specifies that when considering the impact of GHG emissions from a proposed action, Bureaus/Offices should use appropriate tools, methodologies, and resources available to quantify GHG emissions and compare GHG quantities across alternatives. SO 3399 acknowledges that identifying the interactions between climate change and the environmental impacts of a proposed action in NEPA documents can help decision makers identify opportunities to reduce GHG emissions, improve environmental outcomes, and contribute to protecting communities from the climate crisis.

## **STATE AND LOCAL**

### **California Air Resources Board**

The California Air Resources Board (CARB), a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and State air pollution control programs within California. In this capacity, CARB conducts research, sets California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, and provides

oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (such as hairspray or aerosol paints), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB also has primary responsibility for the development of California's SIP, for which it works closely with Air Quality Management Districts and the USEPA. CARB has implemented numerous strategies to reduce criteria air pollutants from mobile sources such as the advanced clean cars, advanced clean trucks, and advanced clean fleets.

### **California Clean Air Act**

The California Clean Air Act of 1988 (CCAA) requires nonattainment areas to achieve and maintain the CAAQS by the earliest practicable date, as well as requires local air districts to develop plans for attaining the State standards. At a local level, the Shasta County Air Quality Management District (Shasta County AQMD) has jurisdiction over Shasta County, which is the northernmost portion of the SVAB. The Shasta County AQMD attains and maintains air quality conditions in Shasta County through a comprehensive program of planning, regulation, enforcement, technical innovation, and promotion of the understanding of air quality issues.

### **California Global Warming Solutions Act**

In September 2006, then-Governor Schwarzenegger signed the California Global Warming Solutions Act (Assembly Bill [AB] 32). AB 32 (California Health and Safety Code, Division 25.5) establishes regulatory, reporting, and market mechanisms to achieve quantifiable reductions in GHG emissions and establishes a cap on statewide GHG emissions. AB 32 required that statewide GHG emissions be reduced to 1990 levels by 2020. This reduction was intended to be accomplished by enforcing a statewide cap on GHG emissions that was phased in starting in 2012. To effectively implement the cap, AB 32 directed CARB to develop and implement regulations to reduce statewide GHG emissions from stationary sources.

In 2016, Senate Bill (SB) 32 and its companion bill AB 197 amended California Health and Safety Code, Division 25.5 Section 38500 et seq. and established a new GHG reduction target of 40 percent below 1990 levels by 2030. The bills also include provisions to ensure the benefits of state climate policies reach into disadvantaged communities. In 2022, Assembly bill 1279 codified the 2045 carbon neutrality goal of EO B-55-18 by declaring that it is the policy of the state to achieve net zero GHG emissions no later than 2045, to achieve and maintain net negative GHG emissions thereafter, and to ensure that by 2045 statewide anthropogenic GHG emissions are reduced to at least 85 percent below the 1990 levels. California Climate Crisis Act

AB 1279 declares the State's policy to achieve net zero greenhouse gas emissions no later than 2045 and achieve and maintain net negative greenhouse gas emissions thereafter. The bill also ensures that by 2045, statewide anthropogenic greenhouse gas emissions will be reduced to at least 85% below the 1990 levels. The bill requires the State Board to work with relevant State agencies to ensure that updates to the CARB Scoping Plan identify and recommend measures to achieve these policy goals and to identify and implement a variety of policies and strategies that enable carbon dioxide removal solutions and carbon capture, utilization, and storage technologies in California, as specified.

Building off the success of the previous Plan's iterations, the 2022 CARB Scoping Plan lays out the sector-

by-sector roadmap for California to achieve carbon neutrality by 2045 or earlier, outlining a technologically feasible, cost-effective, and equity-focused path to achieve the State's climate target. A specific requirement of AB 32 was to prepare a Climate Change Scoping Plan for achieving the maximum technologically feasible and cost-effective GHG emission reduction by 2020. CARB developed and approved the initial Scoping Plan in 2008, outlining the regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs that would be needed to meet the 2020 statewide GHG emission limit and initiate the transformations needed to achieve the state's long-range climate objectives (CARB 2009).

Most recently, CARB approved the 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan) in December 2022. The 2022 Scoping Plan outlines the proposed framework of action for achieving the 2045 GHG target of an 85 percent reduction in GHG emissions relative to 1990 levels; the update also adds carbon neutrality as a science-based guide for California's climate work (CARB 2022). The 2022 Scoping Plan outlines how carbon neutrality can be achieved to reduce GHGs to meet the emission targets by reducing anthropogenic emissions and expanding actions to capture and store carbon. New to the 2022 Scoping Plan is a commitment to incorporate and quantify natural and working lands as a key component to GHG reductions and actions around capture and storage of carbon. The 2022 Scoping Plan strategy for meeting the state's 2030 GHG target incorporates the full range of legislative actions and state-developed plans that have relevance to the year 2030. The 2022 Scoping Plan is heading toward the 2045 target of 85 percent below 1990 levels and carbon neutrality, including the following reductions in key sectors:

- The transportation sector targets reductions based on the technology of vehicles and associated refueling infrastructure for those vehicles; the fuel used as the energy source to power vehicles and the facilities that produce them; and vehicle miles traveled (VMT), which relates to development patterns and available transportation options.
- The electricity grid sector has a target of 38 MMTCO<sub>2e</sub> in 2030 and 30 MMTCO<sub>2e</sub> in 2035, which includes a goal of generating 20 gigawatts of offshore wind by 2045 and specifies that the increased demand for electrification occurs without new fossil gas-fired resources.
- The manufacturing and building sector include increased electrification of energy demand for construction equipment, as well as across many manufacturing sectors and buildings.
- CO<sub>2</sub> removal and capture include carbon capture and storage facilities and mechanical systems to remove CO<sub>2</sub> from the ambient air.
- Short-lived climate pollutants, including non-combustion methane emissions, are reduced with various strategies.
- Natural and working lands sectors include targets to conserve natural working lands and coastal waters, and to implement actions to accelerate natural removal of carbon and improve resilience to climate change.

In the 2022 Scoping Plan, CARB recommends statewide targets of no more 226 MMTCO<sub>2e</sub> from AB 32 GHG inventory sector emissions and 7 MMTCO<sub>2e</sub> from natural and working lands, a reduction from carbon capture and sequestration due to avoided GHG emissions from industry and electric sectors of 13 MMTCO<sub>2e</sub>, and a reduction of 7 MMTCO<sub>2e</sub> from CO<sub>2</sub> removal, including carbon sequestration on natural and working lands, as well as direct air capture and bio-energy with carbon capture and sequestration.



The net 2030 GHG emissions, accounting for emissions and removal or sequestration, is 226 MMTCO<sub>2</sub>e. For the 2045 scenario in the 2022 Scoping Plan, maximum GHG emissions from AB 32 inventory sector emissions are 65 MMTCO<sub>2</sub>e, emissions from working lands are 7 MMTCO<sub>2</sub>e, and reductions from carbon capture and sequestration and CO<sub>2</sub> removal are 100 MMTCO<sub>2</sub>e. This is a net reduction of 3 MMTCO<sub>2</sub>e by 2045.

### **Low-Carbon Fuel Standard**

The Low-Carbon Fuel Standard (LCFS), established in 2007 through Executive Order S-1-07 and administered by CARB, requires producers of petroleum-based fuels to reduce the carbon intensity of their products that started with a 0.25 percent reduction in 2011, and culminated in a 10 percent total reduction in 2020. In September 2018, CARB extended the LCFS program to 2030, making significant changes to the design and implementation of the program, including a doubling of the carbon intensity reduction to 20 percent by 2030.

Petroleum importers, refiners, and wholesalers can either develop their own low-carbon fuel products or buy LCFS credits from other companies that develop and sell low-carbon alternative fuels, such as biofuels, electricity, natural gas, and hydrogen. The Port started participating in the LCFS program in January 2019 as an opt-in entity, generating credits by providing electricity to vessels through shore power, as well as providing charging infrastructure for battery-electric Class 8 on-road trucks, battery-electric cargo-handling equipment, and battery-electric light-duty vehicles.

### **Renewable Portfolio Standard**

The State of California adopted standards to increase the percentage of energy from renewable resources that retail sellers of electricity, including investor-owned utilities and community choice aggregators, must provide in their portfolio. The Renewables Portfolio Standard (RPS) was established in 2002 under Senate Bill 1078, accelerated in 2006 under Senate Bill 107, and expanded in 2011 under Senate Bill 2. The standards are referred to as the RPS. Qualifying renewables under the RPS include bioenergy such as biogas and biomass, small hydroelectric facilities (30 MW or less), wind, solar, and geothermal energy. The CPUC and the CEC jointly implement the RPS program. Senate Bill 1020 of 2022 (SB 1020) would revise that state policy regarding eligible renewable resources and zero-carbon resources supply 90% of all retail sales of electricity to California end-use customers by December 31, 2035, 95% of all retail sales of electricity to California end-use customers by December 31, 2040, 100% of all retail sales of electricity to California end-use customers by December 31, 2045, and 100% of electricity procured to serve all state agencies by December 31, 2035, as specified. It also contains provisions for cooperation between CPUC and Independent System Operators (ISOs) for the purpose of transmission planning by allowing the exchange of confidential business information without risk of public disclosure requirements.

### **Shasta County Air Quality Management District**

The Air Quality Management District (AQMD) manages the air quality resources of Shasta County through environmental oversight for the benefit of the public. The AQMD of Shasta County works directly with the Air Pollution Control Board to create guidelines, regulate potential industrial and commercial developments, address applications for the construction of emission devices, and handle annual permit

issuance. The AQMD tracks emissions and estimates releases of air contaminants for all permitted devices. They also propose mitigation strategies by considering potential health risks as well as federal and state ambient air quality standards. The AQMD monitors and manages information regarding concentrations of particulate matter and ozone air pollutants. The Shasta County Air Quality Management District is also responsible for open burning permits for hazard reduction, land clearing, forest management, or agricultural projects.

The clean air strategy of the Shasta County AQMD includes the preparation of plans for the attainment of ambient air quality standards, when needed, adoption and enforcement of rules and regulations concerning sources of air pollution, and issuance of permits for stationary sources of air pollution. It should be noted that once the land is taken into trust, the Shasta County AQMD would not have jurisdiction over the site; the USEPA and the Tribe would have jurisdiction over the site. However, off-site improvements would be subject to applicable Shasta County AQMD rules and regulations in effect at the time of construction. Descriptions of rules that may be applicable to off-site construction include, but are not limited to:

- Shasta County AQMD Rule 2-1A, Authorities to Construct/Permits to Operate - Specifies that any person who uses construction equipment for construction activities must obtain a permit to operate prior to installation activities.
- Shasta County AQMD Rule 2-2, Emissions Reduction Credit and Banking Rule - Provides for a mechanism for permitted and non-permitted emissions sources to deposit, transfer, and use emission reduction credits (ERCs) as offsets as allowed by applicable laws and regulations. The provisions of Rule 2:2 apply to the deposit, transfer, and use of ERCs from stationary sources and open biomass burning sources of air pollution emissions. ERCs are typically required when stationary source pollutants exceed 25 tons per year.
- Shasta County AQMD Rule 3-2, Specific Air Contaminants - Controls the amount of air contaminants allowed to be discharged into the atmosphere.
- Shasta County AQMD Rule 3-31, Architectural Coatings - Controls the architectural coatings and solvents used.
- Shasta County AQMD Rule 3-15, Cutback and Emulsified Asphalt - Cutback and emulsified asphalt application shall be conducted in accordance with Rule 3-15.
- Shasta County AQMD Rule 3-16, Fugitive, Indirect, or Non-Traditional Sources - Controls the emission of fugitive dust during earth-moving, construction, demolition, bulk storage, and conditions resulting in wind erosion.
- Shasta County AQMD Rule 3-28, Stationary Internal Combustion Engines - Limits the emissions of NOX and CO from stationary internal combustion engines.

Shasta County AQMD Rule 3-32, Adhesives and Sealants - Limits the emissions of volatile organic compounds (VOCs) from adhesives and sealants and associated primers, and from related surface preparation solvents, cleanup solvents, and strippers. Shasta County AQMD Rule 3-33, Wood Products Coating Operations - Limits the emissions of volatile organic compounds (VOCs) from coatings and strippers used on wood products and from products used in surface preparation and cleanup.

# LIVING RESOURCES

## FEDERAL

### **Federal Endangered Species Act**

The U.S. Fish & Wildlife Service (USFWS) enforces the provisions of the federal Endangered Species Act (FESA) for all terrestrial species. Section 9 (§ 1538) prohibits the "take" of a listed species by anyone, including private individuals and state and local agencies. Threatened and endangered species on the federal list (50 CFR Sections 17.11 and 17.12) are protected from take, which is defined as direct or indirect harm. If "take" of a listed species is incidental to an otherwise lawful activity, this triggers the need for consultation under Section 7 of the FESA for federal agencies, including tribes.

Pursuant to the requirements of the FESA, a federal agency reviewing a project within its jurisdiction must determine whether any federally listed species may be present on a project site and whether the project will have a potentially significant impact upon such species. A discussion of regionally listed species is provided in consideration of potential impacts associated with project implementation. Under the FESA, habitat loss is considered to be an impact to the species. In addition, the agency is required to determine whether the project is likely to jeopardize the continued existence of any species that is proposed for listing under the FESA or to result in the destruction or adverse modification of critical habitat proposed to be designated for such species (16 USC Section 1536[3], [4]). Therefore, project-related impacts to these species, or their habitats, would be considered significant.

### **Migratory Bird Treaty Act**

Migratory birds are protected under the federal Migratory Bird Treaty Act (MBTA) of 1918 (16 USC 703-711). The MBTA makes it unlawful to take, possess, buy, sell, purchase, or barter any migratory bird listed under 50 CFR 10, including feathers or other parts, nests, eggs, or products, except as allowed by implementing regulations (50 CFR 21). The direct injury or death of a migratory bird due to construction activities or other construction-related disturbance that causes nest abandonment, nestling abandonment, or forced fledging would be considered take under the MBTA. As such, project-related disturbances must be reduced or eliminated during the nesting season. The general nesting season extends from February 15 to September 15.

### **Bald and Golden Eagle Protection Act**

The Bald and Golden Eagle Protection Act was originally enacted in 1940 to protect bald eagles and was later amended to include golden eagles (16 USC Subsection 668-668). This act prohibits take, possession, and commerce of bald and golden eagles and associated parts, feathers, nests, or eggs with limited exceptions. The definition of take is the same as the definition under the FESA. The USFWS established five recovery programs in the mid-1970s based on geographical distribution of the species. Critical Habitat was not designated by regulation under FESA. In 1995, the USFWS reclassified the bald eagle from endangered to threatened under FESA in the contiguous 48 states, excluding Michigan, Minnesota, Wisconsin, Oregon, and Washington where it had already been listed as threatened. In 2007, the bald eagle was federally delisted under FESA. However, the provisions of the act remain in place for protection of bald and golden eagles.

### **Clean Water Act (CWA) Sections 404 and 401**

A project that involves discharge of dredged or fill material in navigable Waters of the U.S. must first obtain authorization from the USACE, under Section 404 of the Clean Water Act (CWA). USACE maintains the final authority for determining whether an aquatic habitat qualifies as a Water of the U.S. Projects requiring a 404 permit under the CWA also require a Section 401 certification from either USEPA for trust land, or the RWQCB for non-trust land. These two agencies also administer the NPDES general permits for construction activities disturbing one acre or more.

## STATE AND LOCAL

### **California Endangered Species Act**

The California Endangered Species Act (CESA) is similar to FESA, but is limited to species under state jurisdiction listed by the state as threatened or endangered. Under Section 2080 of the California Fish and Game Code, off-reservation take is prohibited. Take is defined as activities that “hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill.” Under Section 2081, the California Department of Fish and Wildlife (CDFW) can authorize take if an incidental take permit is issued by the Secretary of the Interior or Commerce in compliance with FESA for jointly listed species, or if the director of CDFW issues a permit and impacts are minimized and mitigated for State listed species. In general, CESA does not cover habitat impacts.

### **California Department of Fish and Game Code**

California Fish and Game Code Sections 3503, 3503.5, and 3800 prohibit the off-reservation possession, incidental take, or needless destruction of birds, their nests, and eggs. Section 3511 lists birds or other species that are “fully protected” off-reservation and may not be taken or possessed except under specific permit. Consultation with CDFW may be required if construction would potentially impact off-reservation state-listed species or nesting raptors. Section 1602 requires notification before beginning off-reservation activities that obstruct or divert the natural flow of an off-reservation river, stream, or lake; change or use of any material from the bed, channel, or bank of an off-reservation river, stream, or lake; or deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it can pass into an off-reservation river, stream, or lake. California Fish and Game Code Section 1602 applies to off-reservation perennial, intermittent, and ephemeral bodies of water in California.

### **Shasta County General Plan**

The objectives and policies contained in Section 6.7 Fish and Wildlife element of the County of Shasta General plan address the need to preserve unique and important aquatic, fish and wildlife habitats, and plant communities for their biological resource and ecological values, as well as for their direct and indirect benefits to the citizens of Shasta County. The Fish and Wildlife Element incorporates requirements from the State-mandated Conservation and Open Space Elements found in Government Code Sections 65302(d) and 65560, respectively.

# CULTURAL RESOURCES

## FEDERAL

### Section 106 of the National Historic Preservation Act

Section 106 of the National Historic Preservation Act (NHPA), as amended, and its implementing regulations found in 36 CFR Part 800 require federal agencies to identify cultural resources that may be affected by actions involving federal lands, funds, or permitting. The Bureau of Indian Affairs must comply with Section 106 for the proposed trust acquisition. The significance of the resources must be evaluated using established criteria outlined in 36 CFR 60.4, as described below.

If a resource is determined to be a historic property, Section 106 of the NHPA requires that effects of the federal undertaking on the resource be determined. A historic property is defined as:

...any prehistoric or historic district, site, building, structure or object included in, or eligible for inclusion in the National Register of Historic Places, including artifacts, records, and material remains related to such a property...(NHPA Sec. 301[5])

Section 106 of the NHPA prescribes specific criteria for determining whether a project would adversely affect a historic property, as defined in 36 CFR 800.5. An impact is considered adverse when prehistoric or historic archaeological sites, structures, or objects that are listed on or eligible for listing in the National Register of Historic Places (NRHP) are subjected to the following.

- physical destruction of or damage to all or part of the property
- alteration of a property
- removal of the property from its historic location
- change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance
- introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features
- neglect of a property that causes its deterioration
- transfer, lease, or sale of the property out of federal control without adequate and legally enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance

If the historic property will be adversely affected by the undertaking, then prudent and feasible measures to resolve adverse impacts must be taken. The State Historic Preservation Office must be provided an opportunity to review and comment on these measures prior to project implementation.

### National Register of Historic Places

The eligibility of a resource for listing in the NRHP is determined by evaluating the resource using criteria defined in 36 CFR § 60.4 as follows. The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of state and local

importance that possess integrity of location, design, setting, materials, workmanship, feeling, association, and

- A. that are associated with events that have made a significant contribution to the broad patterns of our history;
- B. that are associated with the lives of persons significant in our past;
- C. that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D. that have yielded, or may be likely to yield, information important to prehistory or history.

Sites younger than 50 years, unless of exceptional importance, are not eligible for listing in the NRHP. In addition to meeting at least one of the criteria listed above, the property must also retain enough integrity to enable it to convey its historic significance. The NRHP recognizes seven aspects or qualities that, in various combinations, define integrity. These seven elements of integrity are location, design, setting, materials, workmanship, feeling, and association. To retain integrity a property will always possess several, and usually most, of these aspects.

#### **Archaeological Resources Protection Act of 1979**

The Archaeological Resources Protection Act of 1979 (ARPA; Public Law 96-95; 16 USC 470aa-mm) provides for the protection of archaeological resources and sites that are on public and Indian lands, and fosters increased cooperation and exchange of information between governmental authorities, the professional archaeological community, and private individuals having collections of archaeological resources and data that were obtained before October 31, 1979. ARPA also provides for penalties for noncompliance and illegal trafficking.

#### **Native American Graves Protection and Repatriation Act**

The Native American Graves Protection and Repatriation Act (NAGPRA), 25 USC 3001 et seq., provides a process for museums and federal agencies to return Native American cultural items – human remains, funerary objects, sacred objects, or objects of cultural patrimony – to lineal descendants, and culturally affiliated Indian tribes and Native Hawaiian organizations. NAGPRA includes provisions for unclaimed and culturally unidentifiable Native American cultural items, intentional and inadvertent discovery of Native American cultural items on federal and Tribal lands, and penalties for noncompliance and illegal trafficking.

#### **Paleontological Resources Preservation Act**

Paleontological resources are defined as the traces or remains of prehistoric plants and animals. Such remains often appear as fossilized or petrified skeletal matter, imprints, or endocasts, and reside in sedimentary rock layers. Paleontological resources are considered important for their scientific and educational value. Fossil remains of vertebrates are considered significant. Invertebrate fossils are considered significant if they function as index fossils. Index fossils are those that appear in the fossil record for a relatively short and known period of time. This allows geologists to interpret the age range of

the geological formations in which they are found. The Paleontological Resources Preservation subtitle of the Omnibus Public Land Management Act, 16 USC 470aaa to aaa-11 requires the U.S. Department of Agriculture (USDA) and the U.S. Department of the Interior to issue implementation regulations to provide for the preservation, management, and protection of paleontological resources on federal lands and ensure that these resources are available for current and future generations to enjoy as part of America's national heritage.

## STATE AND LOCAL

### **PRC Section 21083.2**

CEQA requires that, for projects financed by or requiring the discretionary approval of public agencies in California, the effects that a project has on historical and unique archaeological resources be considered (Public Resources Code [PRC] Section 21083.2). Historical resources are defined as buildings, sites, structures, or objects, each of which may have historical, architectural, archaeological, cultural, or scientific importance (PRC Section 50201).

### **CEQA Guidelines Section 15064.5**

The CEQA Guidelines (Section 15064.5) define three cases in which a property may qualify as a historical resource for the purpose of CEQA review:

- The resource is listed in or determined eligible for listing in the California Register of Historical Resources (CRHR).
- The resource is included in a local register of historic resources, as defined in PRC Section 5020.1(k), or is identified as significant in a historical resources survey that meets the requirements of PRC Section 5024.1(g) (unless the preponderance of evidence demonstrates that the resource is not historically or culturally significant).
- The Lead Agency determines that the resource may be a historical resource as defined in PRC Section 5020.1(j), 5024.1, or significant as supported by substantial evidence in light of the whole record. Section 5024.1 defines eligibility requirements and states that a resource may be eligible for inclusion in the CRHR if it:
  1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
  2. Is associated with the lives of persons important in our past;
  3. Embodies the distinctive characteristics of a type, period, region, or method of construction, represents the work of an important creative individual, or possesses high artistic values; or
  4. Has yielded, or may be likely to yield, information important in prehistory or history.

Resources must retain integrity to be eligible for listing on the CRHR. Resources that are listed in or eligible for listing in the National Register of Historic Places (NRHP) are considered eligible for listing in the CRHR, and thus are significant historical resources for the purposes of CEQA (PRC Section 5024.1(d)(1)).

### **California Health and Safety Code Section 7050.5**

In the event of discovery of human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the human remains are discovered has determined whether the remains are Native American. The coroner shall make his or her determination within two working days from the time the person responsible for the excavation, or his or her authorized representative, notifies the coroner of the discovery or recognition of the human remains. If the coroner determines that the remains are not subject to his or her authority and if the coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission (NAHC).

### **Assembly Bill 52**

AB 52, signed into law in 2014, established a new category of resources in CEQA called “tribal cultural resources” that considers the tribal cultural values in addition to the scientific and archaeological values when determining impacts and mitigation. Pursuant to PRC, Division 13, Section 21074, TCRs can be either:

1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either:
  - a. Included or determined to be eligible for inclusion in the CRHR; or
  - b. Included in a local register of historical resources as defined in subdivision (k) of Section 5020.1.
2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to the eligibility criteria for the CRHR (PRC § 5024.1(c)). In applying these criteria, the lead agency must consider the significance of the resource to a California Native American Tribe.

Native American tribes traditionally and culturally affiliated with a geographic area may have expertise concerning their tribal cultural resources. In light of this, AB 52 requires that, within 14 days of a decision to undertake a project or determination that a project application is complete, a lead agency shall provide written notification to California Native American tribes that have previously requested placement on the agency’s notice list. Notice to tribes shall include a brief project description, location, lead agency contact information, and the statement that the tribe has 30 days to request consultation. The lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a tribe.

### **Shasta County General Plan**

The Heritage Resources element of the Shasta County General Plan includes the following objectives and policies for cultural resources:



**Objectives:** HER-1: Protection of significant prehistoric and historic cultural resources

**Policies:** HER-a: Development projects in areas of known heritage value shall be designed to minimize degradation of these resources. Where conflicts are unavoidable, mitigation measures which reduce such impacts shall be implemented. Possible mitigation measures may include clustering, buffer or nondisturbance zones, and building siting requirements.

## **SOCIOECONOMIC CONDITIONS**

### **FEDERAL**

#### **Executive Order 12898**

Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority and Low-Income Populations*, as amended, directs federal agencies to develop an Environmental Justice Strategy that identifies and addresses disproportionately high and adverse human health or environmental effects of their programs, policies, and activities on minority populations and low-income populations. The CEQ has oversight responsibility of the federal government's compliance with EO 12898 and NEPA. The CEQ, in consultation with the USEPA and other agencies, has developed guidance to assist federal agencies with their NEPA procedures so that environmental justice concerns are effectively identified and addressed. The document *Final Guidance for Incorporating Environmental Justice Concerns in EPA's NEPA Compliance Analyses* provides the direction on how to analyze the impacts of actions on low-income and minority populations. Communities may be considered "minority" under the executive order if one of the following characteristics apply:

- The cumulative percentage of minorities within a census tract is greater than 50 percent (primary method of analysis).
- The cumulative percentage of minorities within a census tract is less than 50 percent, but the percentage of minorities is meaningfully greater than the minority population percentage in the general population or other appropriate unit of geographic analysis (secondary method of analysis).

According to USEPA, either the county or the state can be used when considering the scope of the "general population." A definition of "meaningfully greater" is not given by the CEQ or USEPA, although the latter has noted that any affected area that has a percentage of minorities above the state's percentage is a potential minority community and any affected area with a minority percentage double that of the state's is a definite minority community under EO 12898. Communities may be considered "low-income" under the EO if one of the following characteristics applies.

- The median household income for a census tract is below the poverty line (primary method of analysis).
- Other indications are present that indicate a low-income community is present within the census tract (secondary method of analysis).

In most cases, the primary method of analysis will suffice to determine whether a low-income community exists in the affected environment. However, when a census tract income may be just over the poverty line or where a low-income pocket within the tract appears likely, the secondary method of analysis may be warranted. Other indications of a low-income community under the secondary method of analysis include limited access to health care, overburdened or aged infrastructure, and dependence on subsistence living.

## STATE AND LOCAL

### **SB 1000 CA Code 65302(h)**

Requires all General Plans identify disadvantaged communities within the Plans jurisdiction. These communities are defined by the California Environmental Protection Agency pursuant to Section 39711 of the Health and Safety Code, or is a community that is defined as a low-income neighborhood that is disproportionately affected by pollution and other environmental health hazards. The General Plan is required to create objectives and policies to reduce health risks within these disadvantaged communities including, but not limited to, the reduction of pollution exposure, improving air quality, promotion of public facilities, food access, safe and sanitary homes, and physical activity.

### **Shasta County General Plan**

Chapter 7.3 of the General Plan Housing Element identifies residential sites adequate to accommodate housing for all income levels. Addresses conservation and improvement of existing affordable housing stock and promotes housing opportunities for all persons. The State Department of Housing and Community Development (HCD) distributes the Regional Housing Need Allocation (RHNA) to jurisdictions within Shasta County based on income categories. The RHNA aims to increase the housing supply, promote the relationship between jobs and housing, balance household income distributions, develop socioeconomic equity, protect environmental and agricultural resources and encourage efficient development patterns.

## **TRANSPORTATION AND CIRCULATION**

### **Federal Transportation Improvement Program**

The Federal Transportation Improvement Program (FTIP) is a plan for the implementation of the long-range Regional Transportation Plan. The FTIP presents manageable components to federal funding agencies for the funding of long-term plans and establishes a systematic approach to programming capital improvement projects over a five-year term, and is subject to continual modifications.

## STATE

### **California Department of Transportation**

The California Department of Transportation establishes Caltrans as the managing agency over permitting and regulation of state roadways. They are responsible for numerous programs involved with transportation standards, engineering services, environmental review, as well as the management of rail and mass transportation.

## **Shasta County General Plan**

The Shasta County General Plan, Circulation Element, dated September 2004, outlines transportation related goals and policies within the County. These guidelines state that Shasta County shall adopt LOS C standards for any new roads. New developments shall not be approved unless traffic impacts are adequately mitigated. Such mitigation may take the form of, but not limited to, provision of capacity improvements and demand reduction measures. The County has determined that a project may have significant impacts on traffic and circulation if it does any of the following:

- Causes an intersection or roadway segment that operates acceptable without the project to degrade to an unacceptable LOS due to the addition of traffic from the project
- Causes an intersection that is operating at an unacceptable LOS without the project and experiences an increase of 5 or more seconds of control delay due to the addition of the project traffic.
- Causes a roadway segment that operates unacceptably to experience an increase in its daily volume to a capacity ration of 0.05 or greater due to the addition of project traffic.

## **LAND USE**

### **FEDERAL**

#### **Farmland Protection Policy Act**

The Farmland Protection Policy Act (FPPA) is intended to minimize the impact federal programs have on the unnecessary and irreversible conversion of farmland to nonagricultural uses. It assures that federal programs are administered in a matter that is compatible with state and local units of government, and private programs and policies to protect farmland (7 USC § 4201).

The Natural Resource Conservation Service (NRCS) is responsible for the implementation of the FPPA and categorizes farmland in a number of ways. These categories include: prime farmland, farmland of statewide importance, and unique farmland. Prime farmland is considered to have the best possible features to sustain long-term productivity. Farmland of statewide importance includes farmland similar to prime farmland, but with minor shortcomings, such as greater slopes or less ability to store soil moisture. Unique farmland is characterized by inferior soils and, depending on climate, generally needs irrigation.

The NRCS fulfills the directives of the Soil and Water Conservation Act (16 USC § 2001-2009) by identifying significant areas of concern for the protection of national resources. NRCS uses a land evaluation and site assessment (LESA) system to establish a Farmland Conversion Impact Rating (FCIR) score. The FCIR is completed on form AD-1006. The FCIR form has two components: land evaluation, which rates soil quality up to 100 points, and the site assessment, which measures other factors that affect the property's viability up to 160 points.

The total FCIR score is used as an indicator for the project's sponsor to consider alternative sites if the potential adverse impacts on the farmland exceed the allowable level; however, the FPPA does not

require federal agencies to alter projects to avoid or minimize farmland conversion. Sites receiving a combined score of less than 160 (out of 260 possible points) do not require further evaluation. For sites with a combined score greater than 160 points, at least two other alternatives are required to be considered and the alternative with the lowest number of points selected unless there are other overriding considerations.

### **Williamson Act**

The Williamson Act, also known as the California Land Conservation Act of 1965, allows local governments to enter into contracts with private landowners to restrict specific parcels for agricultural use or open space. The private land owner then receives property tax assessments that are much lower than the market value. The Williamson Act also outlines enrollment guidelines, acreage minimums, enforcement procedures, allowable uses, and compatible uses.

## STATE AND LOCAL

### **Shasta County General Plan**

The Shasta County General Plan outlines statements on future growth, development, and quality of life in Shasta County. The plan is amendable and revisable as it is recognized that the community values may change over time. The general plan's overall purpose is to preserve the quality of life during periods of growth and appropriately address the concerns of the growing community while preserving the current landscape.

### **Shasta County Code of Ordinances**

The Shasta County Code of Ordinances designates zoning districts and outlines land use planning for the preservation of resources and in the interest of public welfare. Shasta County Code of Ordinances Section 17.02.010 outlines its purpose to be "to promote and protect the public health, safety, peace, morals, comfort, convenience and the general welfare; implement the county general plan, and to facilitate and guide growth in accordance with the general plan; to protect the social and economic stability of residential, commercial, industrial, resource production, and recreational activities within the county through the orderly, planned use of the land."

## **PUBLIC SERVICES AND UTILITIES**

### FEDERAL

#### **Safe Drinking Water Act**

Minimum national drinking water standards and guidelines for groundwater protection are established through the 1974 Safe Drinking Water Act (amended in 1986 and 1996). Contaminants of concern relevant to domestic water supply are defined as those that pose a public health threat or that alter the aesthetic acceptability of the water. The USEPA regulates contaminants through the development of national primary and secondary Maximum Contaminant Levels for drinking water.

## STATE AND LOCAL

### California Integrated Waste Management Act

State Assembly Bill 939 (AB 939), or California Integrated Waste Management Act, requires all jurisdictions to enact plans and programs to divert 50 percent of all solid waste away from landfills. These plans and programs include, but are not limited to Source Reduction, Recycling, Composting, Special Waste Component, and Public Education. A local assistance staff will help localities meet their planning and diversion mandates and impose fines if the diversion plan is not met.

### Shasta County General Plan

Shasta County General Plan establishes responsibility of local municipalities to provide care and services to the general populace of Shasta County. Section 5.4 outlines Fire and Sheriff protection, Section 6.4 outlines Electricity, Natural Gas and Renewable Energy Resources, Section 6.6 plans the distribution of potable water. Section 7.5 provides a plan for public facilities, such as wastewater and solid waste disposal.

### Shasta County Municipal Code

Shasta County Municipal Code defines the duties of public services, including but not limited to: the Sheriff (Title 2 Chapter 2.20), County Fire Warden (Title 2 Chapter 2.32), Water Service (13.12), Sewage (8.40) and Refuse Collection (8.32). The Municipal Code outlines service and connection fees, permitting requirements, prohibited actions and penalties. The code aims to maintain public health and safety, general welfare and zoning rules.

## NOISE

### FEDERAL

#### The Federal Interagency Committee on Noise

The Federal Interagency Committee on Noise (FICON) provides guidance in how to assess noise impacts resulting from aircraft operation. However, although FICON recommendations were specifically developed to assess aircraft noise impacts, these criteria have been applied to other sources of noise similarly described in terms of cumulative noise exposure metrics.

**TABLE 3. SIGNIFICANCE OF CHANGES IN NOISE EXPOSURE LEVELS**

Ambient Noise Level without Project, LDN	Increase Required for Significant Impact
< 60 dB	+ 5.0 dB or more
60 to 65 dB	+ 3.0 dB or more
> 65 dB	+ 1.5 dB or more

Source: FICON, 1992

#### Noise Abatement Criteria

The FHWA establishes Noise Abatement Criteria (NAC) for various land uses that have been categorized

based on activity. Land uses are categorized on the basis of their sensitivity to noise as indicated in the table below. The FHWA NAC is based on peak traffic hour noise levels.

**TABLE 4. FEDERAL NOISE ABATEMENT CRITERIA HOURLY A-WEIGHTED SOUND LEVEL DECIBELS**

Activity Category	Activity Criteria Leq (h), dBA	Evaluation Location	Activity Category Description
A	57	Exterior	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B	67	Exterior	Residential.
C	67	Exterior	Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, daycare centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails and trail crossings.
D	52	Interior	Auditoriums, daycare centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or non-profit institutional structures, radio studios, recording studios, schools, and television studios.
E <sup>1</sup>	72	Exterior	Hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F.
F	--	--	Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, shipyards, utilities (water resources, water treatment, electricity), and warehousing.
G	--	--	Undeveloped lands that are not permitted.
Notes: <sup>1</sup> Includes undeveloped lands permitted for this activity category.			
Source: 23 CFR 772			

#### **FHWA Construction Noise Thresholds**

The Federal Highway Administration (FHWA) provides construction noise level thresholds in its Construction Noise Handbook, 2006 in order to evaluate the potential noise impacts for projects.

**TABLE 5. FEDERAL CONSTRUCTION NOISE THRESHOLDS**

Noise Receptor Locations and Land Uses	Daytime (7 am - 6 pm)	Evening (6 pm - 10 pm)	Nighttime (10 pm - 7 am)
	dBA, Leq <sup>1</sup>		
Noise-Sensitive Locations (residences, institutions, hotels, etc.)	72 or Baseline + 5 (whichever is louder)	Baseline + 5	Baseline + 5 (if Baseline < 70) or Baseline + 3 (if Baseline > 70)
Commercial Areas (businesses, offices, stores, etc.)	77 or Baseline + 5	None	None
Industrial Areas (factories, plants, etc.)	82 or Baseline + 5	None	None

Notes: <sup>1</sup> Leq is the equivalent continuous sound level; Leq thresholds were empirically determined using L<sub>10</sub> (FHWA, 2006). dBA are  
Source: FHWA, 2006.

**Vibration Standards**

The effects of ground-borne vibrations typically cause only a nuisance to people, but at extreme vibration levels, damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically an annoyance only indoors, where the associated effects of the building shaking can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors since it is produced from noise radiated from the motion of the walls and floors of a room and may consist of the rattling of windows or dishes on shelves.

The Federal Transit Administration (FTA) utilizes criteria for acceptable ground-borne vibration which is expressed in terms of root mean squared (RMS) velocity levels in decibels. Vibration categories are classified by land use for a general assessment of impact levels.

**TABLE 6. GROUND-BORNE VIBRATION (GBV) IMPACT CRITERIA FOR GENERAL ASSESSMENT**

Land Use Category	GBV Impact Levels (VdB re 1 micro-inch / sec)		
	Frequent Events <sup>1</sup>	Occasional Events <sup>2</sup>	Infrequent Events <sup>3</sup>
<b>Category 1:</b> Buildings where vibration would interfere with interior operations.	65 VdB	65 VdB	65 VdB
<b>Category 2:</b> Residences and buildings where people normally sleep.	72 VdB	75 VdB	80 VdB
<b>Category 3:</b> Institutional land uses with primarily daytime use.	75 VdB	78 VdB	83 VdB

1. "Frequent Events" is defined as more than 70 vibration events of the same source per day. Most rapid transit projects fall into this category.  
 2. "Occasional Events" is defined as between 30 and 70 vibration events of the same source per day. Most commuter trunk lines have this many operations.  
 3. "Infrequent Events" is defined as fewer than 30 vibration events of the same kind per day. This category includes most

commuter rail branch lines.

4. This criterion limit is based on levels that are acceptable for most moderately sensitive equipment such as optical microscopes. Vibration-sensitive manufacturing or research will require detailed evaluation to define acceptable vibration levels. Ensuring lower vibration levels in a building often requires special design of the HVAC systems and stiffened floors.
5. Vibration-sensitive equipment is generally not sensitive to ground-borne noise.

Source: FTA, 2006

Peak particle velocity (PPV) is often used to measure vibration. PPV is the maximum instantaneous peak (inches per second) of the vibration signal. The PPV levels are used to estimate  $L_v$  or VdB levels (vibration decibels with a reference velocity of one micro-inch per second). Human responses to vibration vary by the source of vibration, which is either continuous or transient. Continuous sources of vibration include construction while transient sources include truck movements. Generally, the thresholds of perception and annoyance are higher for transient sources than for continuous sources.

The table below summarizes the FTA’s guideline vibration damage criteria for various structural categories. As shown therein, buildings extremely susceptible to vibration damage could be damaged if vibration levels exceed 90 VdB. Additionally, although humans have a perceptibility threshold of 65 VdB, human response to vibration is not usually significant unless the vibration exceeds 70 VdB (FTA, 2006). Background vibration velocity in residential areas is usually 50 VdB or lower.

**TABLE 7. CONSTRUCTION VIBRATION DAMAGE CRITERIA**

<b>Building Category</b>	<b>Approximate PPV (in/sec)</b>	<b>Approximate <math>L_v</math> (VdB)</b>
Reinforced-concrete, steel, or timber (no plaster)	0.5	102
Engineered concrete and masonry (no plaster)	0.3	98
Non-engineered timber and masonry buildings	0.2	94
Buildings extremely susceptible to vibration damage	0.12	90

Source: FTA, 2006

## STATE AND LOCAL

### California Noise Insulation Standards

The State of California establishes noise limits for vehicles licensed to operate on public roads. The State has also established noise insulation standards for new multi-family residential units, hotels, and motels that would be subject to high levels of transportation-related noise. The requirements are collectively known as the California Noise Insulation Standards (CNIS; Title 24, CCR). The CNIS set forth an interior day-night average noise level (Ldn) standard of 45 dB in a habitable room. An acoustical analysis demonstrating how dwelling units have been designed to meet this interior standard is required where such units are proposed in areas subject to noise levels greater than 60 dB Ldn.



**Shasta County General Plan**

Section 5.5.3 of the General Plan’s housing element outlines objectives of the county surrounding noise and activities related to or which generate noise.

**Objectives**

- To protect County residents from the harmful and annoying effects of exposure to excessive noise.
- To protect the economic base of the County by preventing incompatible land uses from encroaching upon existing or programmed land uses likely to create significant noise impacts.
- To encourage the application of state-of-the-art land use planning methodologies in the area of managing and minimizing potential noise conflicts.

**TABLE 8. TRANSPORTATION NOISE RELATED LAND USE COMPATIBILITY GUIDELINES FOR DEVELOPMENT**

Land Use Category	Community Noise Exposure (L <sub>dn</sub> OR CNEL, dB)		
	G.A. <sup>1</sup>	C.A. <sup>2</sup>	G.U. <sup>3</sup>
Residential, Theatres, Music Halls, Meeting Halls, Churches, & Auditoriums	55 - 60	60 - 50	75+
Transient Lodging – Motels, Hotels, & RV Parks	55 - 60	65 – 80	80+
Schools, Libraries, Museums, Nursing Homes & Child Care	55 - 60	65 – 80	80+
Playgrounds, Neighborhood Parks, & Amphitheatres	55 - 75	75 - 80	80+
Office Buildings, Business, Commercial, & Professional	55 - 70	70 - 80	80+
Industrial, Manufacturing, Agriculture, & Utilities	55 - 75	75+	N/A
Golf Courses, Outdoor Spectator Sports & Riding Stables	55 - 75	75-85	85+
Interpretation: 1. G.A.= Generally Acceptable 2. C.A.= Conditionally Acceptable G. U.= Generally Unacceptable Source: County of Shasta, 2020.			

Exemptions to land use certain activities are outlined within the table above along with generally acceptable noise levels. Conditionally acceptable noise levels may be accepted if proper construction measures are applied however, noise production shall be minimized through proper site planning, building materials and design.

#### 5.5.4 Site Planning

- Use of building setbacks and dedication of noise easements to increase the distance between noise source and the receiver.
- Locating uses and orienting buildings that are compatible with the higher noise levels adjacent to noise-generators or in clusters as means to shield noise-sensitive areas.
- Clustering office, commercial, or multiple-family residential structures to reduce interior open-space noise levels.
- Locate automobile and truck access to commercial or industrial land uses abutting residential parcels at the maximum practical distance from the residential parcels.
- Avoid the siting of commercial and industrial loading and shipping facilities adjacent to residential parcels whenever practicable.
- Parking areas for commercial and industrial uses should be set back from adjacent residential uses to the maximum extent feasible, or buffered and shielded by walls, fences, berms, and/or landscaping techniques

#### Building Materials/Design

- Using dense building materials and tight-fitting doors.
- Employing multi-glazed and multi-pane windows
- Placing unopenable windows on the side of the structure facing a major roadway and entry doors on the side of the building facing away from the major roadway.
- Avoid placing balconies and patio areas facing major transportation routes.

## HAZARDOUS MATERIALS

### FEDERAL

#### Resource Conservation and Recovery Act

The Resource Conservation and Recovery Act (RCRA) regulates the land disposal of hazardous materials from cradle-to-grave. This means establishing a regulatory framework for the generation, transport, treatment, storage and disposal of hazardous waste. Specifically, Subtitle D of RCRA pertains to non-hazardous solid waste and Subtitle C focuses on hazardous solid waste. A solid waste can consist of solids, liquids and gases, but these must be discarded in order to be considered waste. Additionally, the USEPA has developed regulations to set minimum national technical standards for how disposal facilities should be designed and operated. States issue permits to ensure compliance with USEPA and state regulations. The regulated community is comprised of a diverse group that must comprehend and adhere to RCRA regulations. These groups can consist of hazardous waste generators, government agencies, small businesses, and gas stations with underground petroleum tanks.

#### Hazard Communication Standard

The hazard communications standard requires that chemical manufacturers evaluate the potential risks that may be posed by use of such chemicals. In turn, employers utilizing such chemicals must inform employees of the chemical analysis and associated risks of use. The Occupational Health and Safety Administration is the governing body in charge of defining the Hazard Communication Standards.

### **Federal Hazardous Substances Act**

The Consumer Product Safety Commission has a limited role in regulating hazardous substances; it primarily deals with the labeling of consumer products through the Federal Hazardous Substances Act (FHSA). FHSA only requires products that may at some point be in the presence of people's dwellings to be labeled, including during purchase, storage, or use. These labels must alert consumers of the potential hazards that the product may pose. However, in order for a product to be required for labeling, the product must be toxic, corrosive, flammable/combustible, an irritant, a strong sensitizer, or have the ability to generate pressure through decomposition, heat, or other means. Furthermore, the product must possess the ability to cause severe personal injury or substantial illness during or as a result of any customary or reasonably predictable handling or use, including reasonably foreseeable ingestion by children.

### **Federal Insecticide, Fungicide, and Rodenticide Act**

The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) addresses the sale, distribution, and labeling of pesticides, as well as the certification and training of pesticide applicators. FIFRA establishes recordkeeping and reporting requirements on certified applicators of restricted use pesticides. Furthermore, FIFRA imposes storage, disposal, and transportation requirements on registrants and applicants for the registration of pesticides. Pesticide use is regulated through requirements to apply pesticides in a manner consistent with the label. The labeling requirement includes directions for use, warnings, and cautions along with the uses for which the pesticide is registered (e.g., pests and appropriate applications). This includes the specific conditions for the application, mixture, and storage of the pesticide.

Additionally, the label must specify a time period for re-entry into an area after the pesticide has been applied, and when crops may be harvested after the application of the pesticide. If a pesticide is used in a manner contrary to specifics on its label, then the use constitutes a violation of the FIFRA.

### **Toxic Substances Control Act**

The federal Toxic Substances Control Act (TSCA), as amended by the Frank R. Lautenberg Chemical Safety for the 21<sup>st</sup> Century Act, permits the USEPA to evaluate the potential risk from novel and existing chemicals and address unacceptable risks chemicals may have on human health and the environment. The USEPA oversees the production, importation, use, and disposal of certain chemicals. This includes the USEPA having the authority to require record keeping, reporting, and test requirements and restrictions associated with certain chemical substances and/or mixtures. However, certain groups of chemicals are excluded from TSCA consideration, including—but not limited to—food, drugs, cosmetics and pesticides. Examples of chemicals included in TSCA consideration are lead paint, asbestos, mercury, formaldehyde, and polychlorinated biphenyls.

### **Emergency Planning and Community Right-to-Know Act**

The federal Emergency Planning and Community Right-to-Know Act (EPCRA) is designed to assist local communities to protect public health, safety, and the environment from chemical hazards. The

Community Right-to-Know provisions help increase the public's knowledge and access to information on chemicals at individual facilities, their uses, and releases into the environment. The EPCRA also requires industry to report on the storage, usage, and releases of hazardous substances to federal, state, and local governments, and states and communities can use the information gained to improve chemical safety and protect public health and the environment.

### **Comprehensive Environmental Response, Compensation and Liability Act**

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980, also known as Superfund, provides funds to clean up uncontrolled, closed, or abandoned hazardous waste sites, as well as accidents, spills, and other emergency releases of pollutants and contaminants into the environment. The USEPA cleans up orphan sites when potentially responsible parties cannot be identified or located, or when they fail to act.

## STATE AND LOCAL

### **California Environmental Protection Agency**

The California Environmental Protection Agency (CalEPA) develops, implements, and enforces environmental laws that regulate air, water and soil quality, pesticide use, and waste recycling and reduction. CalEPA oversees and coordinates the activities of the Office of Environmental Health Hazard Assessment, the SWRCB, the Air Resources Board (ARB), the Department of Pesticide Regulation, Department of Toxic Substances Control (DTSC), and the Department of Resources Recycling and Recovery. The DTSC takes enforcement actions against violators, oversees hazardous wastes on contaminated properties, makes decisions on permit applications from companies that want to store, treat, or dispose of hazardous waste, and protects consumers against toxic ingredients in everyday products.

### **California Code of Regulations, Title 22, Division 4.5**

CCR Title 22, Divisions 4 and Division 4.5 address off-Reservation environmental and public health standards for the management of hazardous waste. Hazardous materials are defined as those that pose a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment (22 CCR §66260.10). Hazardous waste as defined in 22 CCR § 66261.3 includes acutely hazardous waste, extremely hazardous waste, non-RCRA hazardous waste, RCRA hazardous waste, special waste, and universal waste.

### **California Health and Safety Code, Division 20, Chapter 6.95**

California Health and Safety Code, Division 20, Chapter 6.95 requires off-Reservation businesses to plan and prepare for a chemical emergency through the preparation of a Hazardous Materials Inventory and a Hazardous Materials Business Plan (HMBP). The local Certified Unified Program Agency conducts routine inspections at off-Reservation businesses to submit HMBPs via California's Environmental Reporting System website.

## Shasta County General Plan

Shasta County defines hazardous materials as all toxic, flammable, combustible, corrosive, poisonous, and radioactive substances which because of its quantity, concentration, or physical, chemical, or infectious characteristics may either:

- Cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness, or;
- Pose a substantial present or potential hazard to human health or environment when improperly treated, stored, transported, disposed of, or otherwise managed" (California Health and Safety Code Section 25117).

Objectives and Policies relevant to hazardous materials are contained in the Hazardous Materials element of the general plan and include:

- 5.6.3 Objectives
  - HM-1 Protection of life and property from contact with hazardous materials through site design and land use regulations and storage and transportation standards.
  - HM-2 Protection of life and property in the event of the accidental release of hazardous materials through emergency preparedness planning.
- 5.6.4 Policies
  - HM-a The County shall make every effort to inform applicants for discretionary and nondiscretionary projects which are located within potential border zone property of known hazardous waste facilities that they must comply with State requirements regarding hazardous waste facilities. A map shall be prepared and maintained which identifies these areas.
  - HM-b Shasta County shall maintain an emergency preparedness plan for hazardous materials.
  - HM-c Shasta County shall adopt policies for hazardous materials use, transportation, storage and disposal as required by State laws.
  - HM-d Shasta County shall adopt policies for the protection of life and property from contact with hazardous materials through site design and land use regulations.
  - HM-e Any proposal for development of a disposal site for hazardous wastes in Shasta County shall be reviewed closely to ensure that no significant environmental impacts will result from the project. Review of such project may include a determination of what type of hazardous wastes may be disposed of at the site.

## VISUAL RESOURCES

### FEDERAL

#### National Scenic Byway Program

The National Scenic Byway Program was established by Congress in 1991 as the Intermodal Surface Transportation Efficiency Act. The Program is administered by the Federal Highway Administration and

was established to preserve scenic but less-traveled roadways. A national scenic byway is a road recognized by the U.S. Department of Transportation for one or more of six intrinsic qualities. Intrinsic qualities include archeological, cultural, historic, natural, recreational, and scenic. National scenic byways must already be designated as state scenic byways or must possess all six intrinsic qualities to be nominated.

## STATE AND LOCAL

### **California State Scenic Highways**

In 1963, the State Legislature established the California Scenic Highway Program through Senate Bill 1467 and 1468, provisions of which were added to the Streets and Highways Code. Scenic highway designation does not preclude nearby development; however, the program encourages development that does not degrade the scenic value of the highway corridor.

### **Shasta County General Plan**

The Shasta County General Plan outlines the plans and goals related to visual resources. The County provides guidance on scenic highways placing emphasis on the importance of scenic corridors. The county strives to maintain a balance by valuing scenic corridors based on resource protection, County demand for corridor preservation in order to tailor protections appropriately. The Shasta County General Plan is an extension of federal and state regulations which ensures that visual resources in relation to scenic highways and visual resources are not compromised.

- Protection of the natural scenery along the official scenic highways of Shasta County from new development which would diminish the aesthetic value of the scenic corridor.
- New development along scenic corridors of the official scenic highway should be designed to relate to the dominant character of the corridor (natural or natural and man-made contrast) or of a particular segment of the corridor. Relationships shall be achieved in part through regulations concerning building form, site location, and density of new development.
- Recognition that the management practices of agriculture, timber, and other resource-based industries which may cause some degradation of the visual quality of the scenic corridor are inevitable but their impacts are temporary.

# APPENDIX SOIL

---

---

NRCS SOIL REPORT



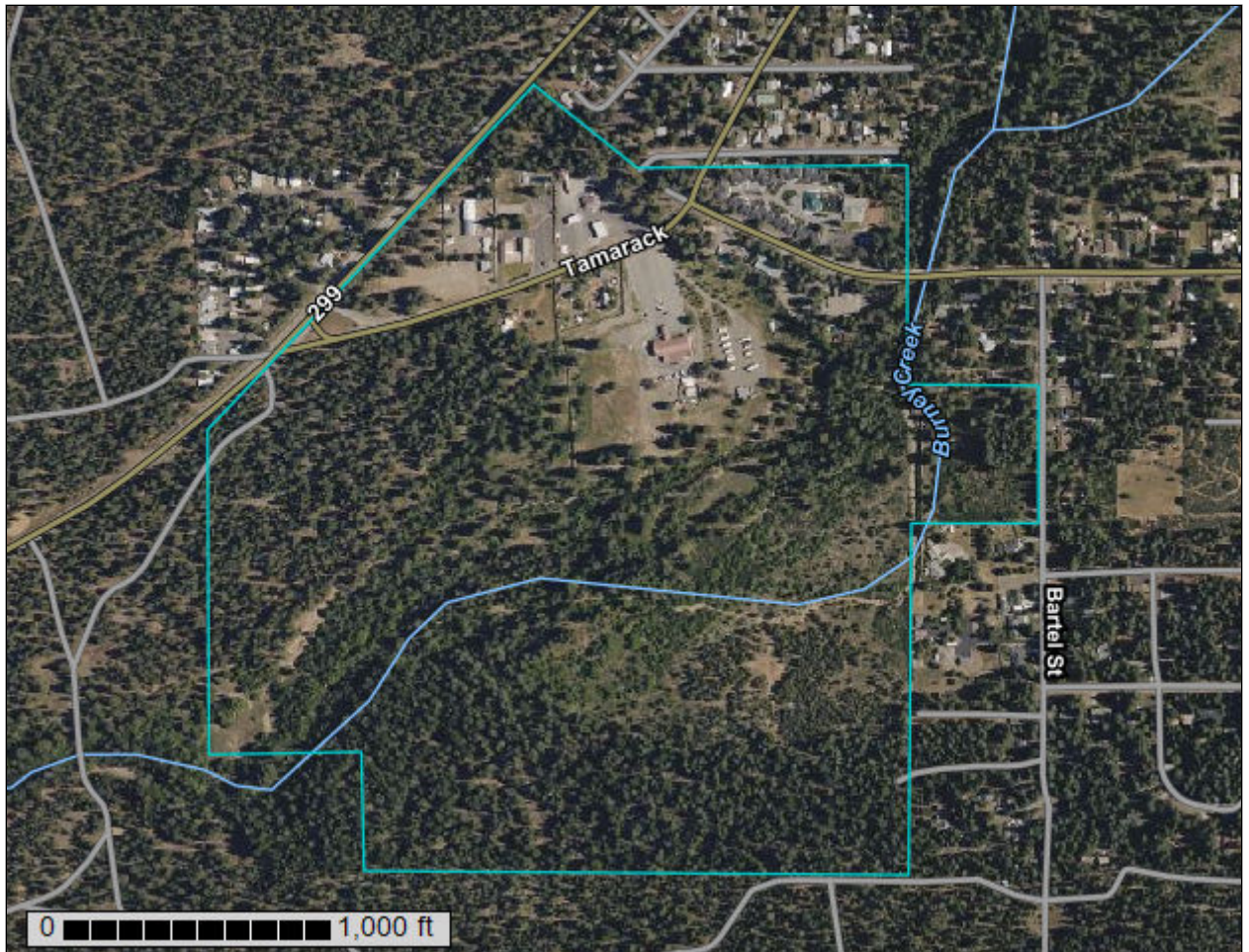
United States  
Department of  
Agriculture

**NRCS**

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for Intermountain Area, Parts of Lassen, Modoc, Shasta, and Siskiyou Counties, California





# Preface

---

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

# Contents

---

<b>Preface</b> .....	2
<b>How Soil Surveys Are Made</b> .....	5
<b>Soil Map</b> .....	8
Soil Map.....	9
Legend.....	10
Map Unit Legend.....	12
Map Unit Descriptions.....	12
Intermountain Area, Parts of Lassen, Modoc, Shasta, and Siskiyou Counties, California.....	14
122—Burney-Arkrigh complex, 2 to 9 percent slopes.....	14
207—Jimmerson loam-Jimmerson stony sandy loam complex, 2 to 15 percent slopes.....	16
247—Matquaw gravelly sandy loam, 0 to 5 percent slopes.....	18
<b>References</b> .....	21

# How Soil Surveys Are Made

---

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

## Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

## Custom Soil Resource Report

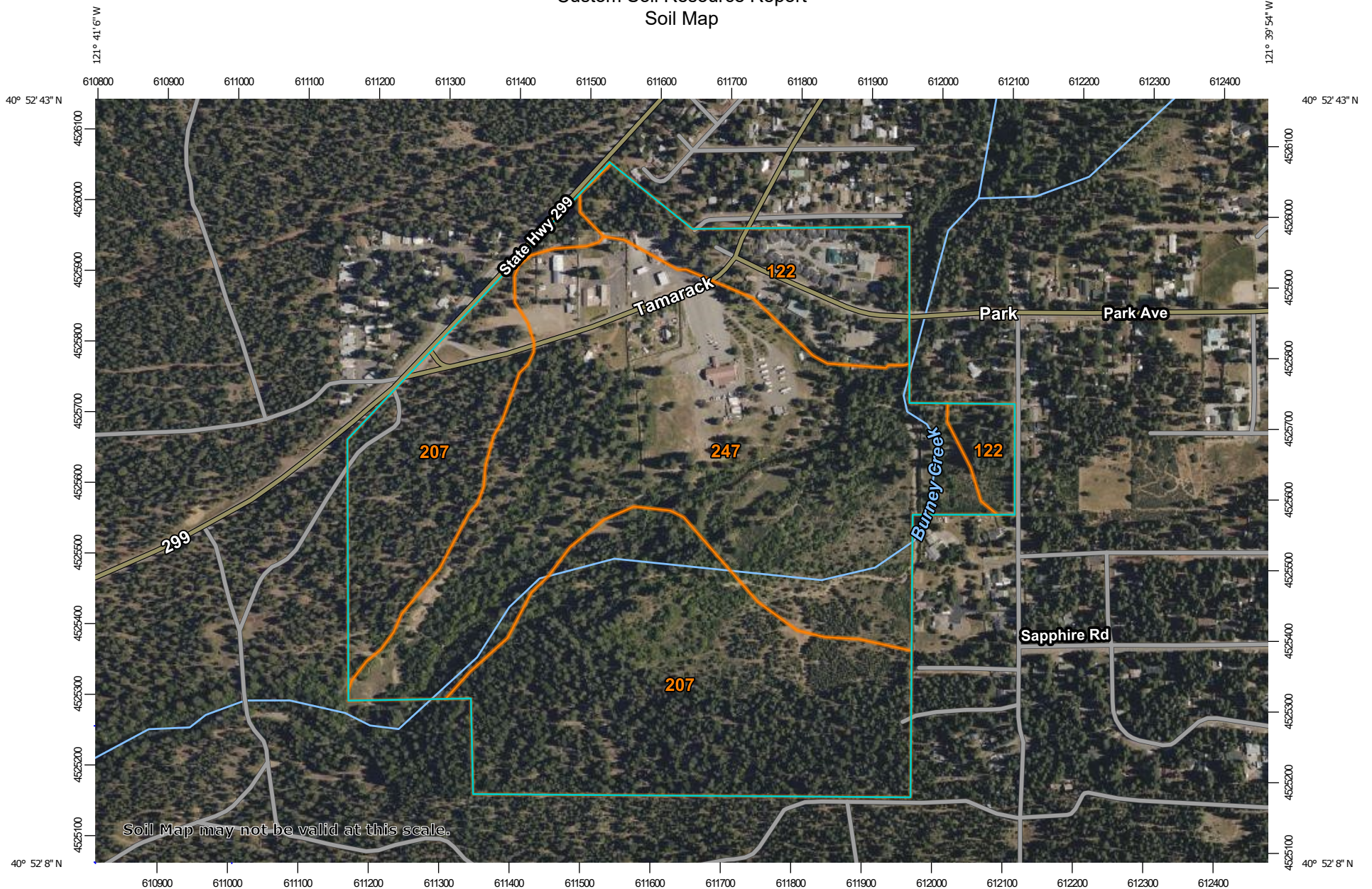
identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# Soil Map

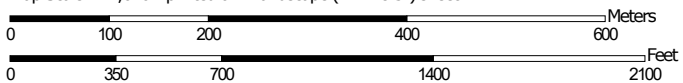
---

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

# Custom Soil Resource Report Soil Map



Map Scale: 1:7,620 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84



### 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: Intermountain Area, Parts of Lassen, Modoc, Shasta, and Siskiyou Counties, California  
 Survey Area Data: Version 15, 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: Jun 8, 2019—Jun 21, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

**MAP LEGEND**

**MAP INFORMATION**

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
122	Burney-Arkrigh complex, 2 to 9 percent slopes	17.1	11.3%
207	Jimmerson loam-Jimmerson stony sandy loam complex, 2 to 15 percent slopes	65.3	43.2%
247	Matquaw gravelly sandy loam, 0 to 5 percent slopes	68.6	45.4%
<b>Totals for Area of Interest</b>		<b>151.1</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or

## Custom Soil Resource Report

landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

## Intermountain Area, Parts of Lassen, Modoc, Shasta, and Siskiyou Counties, California

### 122—Burney-Arkrigh complex, 2 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* jblb  
*Elevation:* 3,000 to 3,300 feet  
*Mean annual precipitation:* 16 to 25 inches  
*Mean annual air temperature:* 45 to 48 degrees F  
*Frost-free period:* 80 to 100 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Burney and similar soils:* 41 percent  
*Arkrigh and similar soils:* 39 percent  
*Minor components:* 20 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Burney

##### Setting

*Landform:* Lava flows  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Slope alluvium derived from basalt

##### Typical profile

*H1 - 0 to 8 inches:* gravelly loam  
*H2 - 8 to 38 inches:* gravelly clay loam  
*H3 - 38 to 59 inches:* very stony clay loam  
*H4 - 59 to 69 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 2 to 9 percent  
*Depth to restrictive feature:* 40 to 60 inches to paralithic bedrock  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Moderate (about 6.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Ecological site:* F022BG200CA - Mesic Lava Plateaus, Low Sloping (15% or less), <25 inch precip  
*Hydric soil rating:* No

## Description of Arkright

### Setting

*Landform:* Lava flows  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Slope alluvium derived from basalt

### Typical profile

*H1 - 0 to 10 inches:* gravelly loam  
*H2 - 10 to 14 inches:* gravelly loam  
*H3 - 14 to 24 inches:* cobbly clay loam  
*H4 - 24 to 28 inches:* weathered bedrock

### Properties and qualities

*Slope:* 2 to 9 percent  
*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Low (about 3.1 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* C  
*Ecological site:* F022BG200CA - Mesic Lava Plateaus, Low Sloping (15% or less), <25 inch precip  
*Hydric soil rating:* No

## Minor Components

### Unnamed, similar to burney but > 35% clay

*Percent of map unit:* 5 percent  
*Landform:* Lava flows  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Hydric soil rating:* No

### Unnamed, similar to arkright but < 20 inches deep

*Percent of map unit:* 5 percent  
*Landform:* Lava flows  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Hydric soil rating:* No

**Jimmerson**

*Percent of map unit:* 5 percent  
*Landform:* Lava flows  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Hydric soil rating:* No

**Hambone**

*Percent of map unit:* 5 percent  
*Landform:* Lava flows  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Hydric soil rating:* No

**207—Jimmerson loam-Jimmerson stony sandy loam complex, 2 to 15 percent slopes**

**Map Unit Setting**

*National map unit symbol:* jbrt  
*Elevation:* 3,300 to 4,500 feet  
*Mean annual precipitation:* 25 to 35 inches  
*Mean annual air temperature:* 45 to 48 degrees F  
*Frost-free period:* 80 to 100 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Jimmerson and similar soils:* 60 percent  
*Jimmerson and similar soils:* 30 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Jimmerson**

**Setting**

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Old tephra deposits and material from lava flows

**Typical profile**

*H1 - 0 to 5 inches:* loam  
*H2 - 5 to 24 inches:* loam

## Custom Soil Resource Report

H3 - 24 to 36 inches: clay loam  
H4 - 36 to 50 inches: clay loam  
H5 - 50 to 62 inches: cobbly clay loam  
H6 - 62 to 70 inches: clay loam

### Properties and qualities

*Slope:* 2 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* High (about 9.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Ecological site:* F022BG202CA - Mesic, Cool (FFD<100) Ash-Influenced Mountains  
*Hydric soil rating:* No

## Description of Jimmerson

### Setting

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Old tephra deposits and material from lava flows

### Typical profile

H1 - 0 to 12 inches: stony sandy loam  
H2 - 12 to 20 inches: cobbly loam  
H3 - 20 to 38 inches: clay loam  
H4 - 38 to 60 inches: clay loam

### Properties and qualities

*Slope:* 2 to 15 percent  
*Surface area covered with cobbles, stones or boulders:* 3.0 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* High (about 10.7 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e



## Custom Soil Resource Report

*Hydrologic Soil Group:* C

*Ecological site:* F022BG202CA - Mesic, Cool (FFD<100) Ash-Influenced Mountains

*Hydric soil rating:* No

### Minor Components

#### Unnamed

*Percent of map unit:* 7 percent

*Landform:* Hillslopes

*Landform position (two-dimensional):* Footslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Hydric soil rating:* No

#### Unnamed, soils shallow over weathered bedrock

*Percent of map unit:* 3 percent

*Landform:* Hillslopes

*Landform position (two-dimensional):* Shoulder

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Hydric soil rating:* No

## 247—Matquaw gravelly sandy loam, 0 to 5 percent slopes

### Map Unit Setting

*National map unit symbol:* jbv d

*Elevation:* 3,300 to 3,360 feet

*Mean annual precipitation:* 25 to 35 inches

*Mean annual air temperature:* 45 to 48 degrees F

*Frost-free period:* 80 to 100 days

*Farmland classification:* Prime farmland if irrigated

### Map Unit Composition

*Matquaw and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Matquaw

#### Setting

*Landform:* Stream terraces

*Landform position (two-dimensional):* Toeslope

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Alluvium derived from igneous rock

## Custom Soil Resource Report

### Typical profile

- H1 - 0 to 4 inches:* gravelly sandy loam
- H2 - 4 to 10 inches:* sandy loam
- H3 - 10 to 27 inches:* very fine sandy loam
- H4 - 27 to 34 inches:* loamy sand
- H5 - 34 to 72 inches:* stratified extremely gravelly loamy sand to very gravelly sandy loam

### Properties and qualities

- Slope:* 0 to 5 percent
- Depth to restrictive feature:* More than 80 inches
- Drainage class:* Somewhat poorly drained
- Runoff class:* High
- Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)
- Depth to water table:* About 24 to 42 inches
- Frequency of flooding:* FrequentNone
- Frequency of ponding:* None
- Available water supply, 0 to 60 inches:* Low (about 5.2 inches)

### Interpretive groups

- Land capability classification (irrigated):* 4w
- Land capability classification (nonirrigated):* 4w
- Hydrologic Soil Group:* B
- Ecological site:* F021XG914CA - Wet Loamy
- Hydric soil rating:* Yes

### Minor Components

#### Esperanza

- Percent of map unit:* 4 percent
- Landform:* Stream terraces
- Landform position (two-dimensional):* Toeslope
- Landform position (three-dimensional):* Tread
- Microfeatures of landform position:* Swales
- Down-slope shape:* Linear, concave
- Across-slope shape:* Linear, concave
- Hydric soil rating:* No

#### Dudgen

- Percent of map unit:* 4 percent
- Landform:* Stream terraces
- Landform position (two-dimensional):* Toeslope
- Landform position (three-dimensional):* Tread
- Microfeatures of landform position:* Swales
- Down-slope shape:* Linear, concave
- Across-slope shape:* Linear, concave
- Hydric soil rating:* No

#### Winnibulli

- Percent of map unit:* 4 percent
- Landform:* Stream terraces
- Landform position (two-dimensional):* Toeslope
- Landform position (three-dimensional):* Tread
- Down-slope shape:* Linear
- Across-slope shape:* Linear

## Custom Soil Resource Report

*Hydric soil rating:* No

### **Pit**

*Percent of map unit:* 3 percent

*Landform:* Stream terraces

*Landform position (two-dimensional):* Toeslope

*Landform position (three-dimensional):* Tread

*Microfeatures of landform position:* Swales

*Down-slope shape:* Linear, concave

*Across-slope shape:* Linear, concave

*Hydric soil rating:* Yes

# References

---

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_054262](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262)
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053577](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577)
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053580](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580)
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2\\_053374](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374)
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

## Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2\\_054242](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242)

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053624](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624)

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/nrcs142p2\\_052290.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf)