Environmental Review Record for the

for the Creekview Family Apartments South Project

Contents:

Appendix A:	CalEEMod Air Quality Modeling Results (Raney Planning and
	Management)
Appendix B:	Phase I Environmental Site Assessment Updated Report (Geocon
	Consultants, Inc.)
Appendix C:	Cultural Information (Office of Historic Preservation)
Appendix D:	Cultural Resources Identification Report (Kleinfelder)
Appendix E:	Additional Sources

APPENDIX A

CALEEMOD AIR QUALITY MODELING RESULTS

Creekview Apartments South Detailed 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
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
- 3. Construction Emissions Details
 - 3.1. Site Preparation (2024) Unmitigated
 - 3.3. Grading (2024) Unmitigated
 - 3.5. Building Construction (2024) Unmitigated
 - 3.7. Building Construction (2025) Unmitigated

- 3.9. Paving (2024) Unmitigated
- 3.11. Architectural Coating (2024) Unmitigated
- 3.13. Architectural Coating (2025) Unmitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use Unmitigated
 - 4.2.3. Natural Gas Emissions By Land Use Unmitigated
 - 4.3. Area Emissions by Source
 - 4.3.2. Unmitigated
 - 4.4. Water Emissions by Land Use
 - 4.4.2. Unmitigated
 - 4.5. Waste Emissions by Land Use
 - 4.5.2. Unmitigated
 - 4.6. Refrigerant Emissions by Land Use
 - 4.6.1. Unmitigated

- 4.7. Offroad Emissions By Equipment Type
 - 4.7.1. Unmitigated
- 4.8. Stationary Emissions By Equipment Type
 - 4.8.1. Unmitigated
- 4.9. User Defined Emissions By Equipment Type
 - 4.9.1. Unmitigated
- 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
- 5. Activity Data
 - 5.1. Construction Schedule
 - 5.2. Off-Road Equipment
 - 5.2.1. Unmitigated
 - 5.3. Construction Vehicles
 - 5.3.1. Unmitigated
 - 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
- 5.10. Operational Area Sources
 - 5.10.1. Hearths
 - 5.10.1.1. Unmitigated
 - 5.10.2. Architectural Coatings
 - 5.10.3. Landscape Equipment
- 5.11. Operational Energy Consumption
 - 5.11.1. Unmitigated
- 5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

- 5.13. Operational Waste Generation
 - 5.13.1. Unmitigated
- 5.14. Operational Refrigeration and Air Conditioning Equipment
 - 5.14.1. Unmitigated
- 5.15. Operational Off-Road Equipment
 - 5.15.1. Unmitigated
- 5.16. Stationary Sources
 - 5.16.1. Emergency Generators and Fire Pumps
 - 5.16.2. Process Boilers
- 5.17. User Defined
- 5.18. Vegetation
 - 5.18.1. Land Use Change
 - 5.18.1.1. Unmitigated
 - 5.18.1. Biomass Cover Type
 - 5.18.1.1. Unmitigated
 - 5.18.2. Sequestration

5.18.2.1. Unmitigated

- 6. Climate Risk Detailed Report
 - 6.1. Climate Risk Summary
 - 6.2. Initial Climate Risk Scores
 - 6.3. Adjusted Climate Risk Scores
 - 6.4. Climate Risk Reduction Measures

7. Health and Equity Details

- 7.1. CalEnviroScreen 4.0 Scores
- 7.2. Healthy Places Index Scores
- 7.3. Overall Health & Equity Scores
- 7.4. Health & Equity Measures
- 7.5. Evaluation Scorecard
- 7.6. Health & Equity Custom Measures
- 8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Creekview Apartments South
Construction Start Date	5/1/2024
Operational Year	2025
Lead Agency	City of Roseville
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	7.80
Location	2930 Blue Oaks Blvd, Roseville, CA 95747, USA
County	Placer-Sacramento
City	Roseville
Air District	Placer County APCD
Air Basin	Sacramento Valley
TAZ	432
EDFZ	4
Electric Utility	Roseville Electric
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.14

1.2. Land Use Types

Land Use Subty	Size	Unit	Lot Acreage	Building Area (sq ft)		Special Landscape Area (sq ft)	Population	Description
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Apartments Mid Rise	116	Dwelling Unit	2.02	111,360	6,839		303	_
Parking Lot	207	Space	1.86	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—		_	-	_	—		_	—	—	-	_		-	—	-	-	
Unmit.	4.41	5.63	36.0	33.9	0.05	1.60	19.8	21.4	1.47	10.1	11.6	—	5,495	5,495	0.22	0.12	5.39	5,516
Daily, Winter (Max)	_	_	_	-	_			_	_		_	_	-	_	_	-	-	_
Unmit.	1.98	5.55	13.0	18.5	0.03	0.53	1.10	1.64	0.49	0.26	0.75	—	3,898	3,898	0.13	0.12	0.14	3,936
Average Daily (Max)	—			_	_			_			_	_				_	_	
Unmit.	0.93	2.24	6.33	8.66	0.01	0.27	0.87	1.14	0.25	0.32	0.56	-	1,763	1,763	0.06	0.05	0.94	1,780
Annual (Max)	_	_	-	_	_	_	_	_		_	_		_	_	_	_	_	_
Unmit.	0.17	0.41	1.15	1.58	< 0.005	0.05	0.16	0.21	0.04	0.06	0.10	_	292	292	0.01	0.01	0.16	295

2.2. Construction Emissions by Year, Unmitigated

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

Daily - Summer (Max)	_	_	-	-	-						_		_		-	-	_	_
2024	4.41	5.63	36.0	33.9	0.05	1.60	19.8	21.4	1.47	10.1	11.6	_	5,495	5,495	0.22	0.12	5.39	5,516
2025	1.90	5.50	12.0	19.5	0.03	0.46	1.10	1.57	0.43	0.26	0.69	_	4,002	4,002	0.12	0.11	4.95	4,043
Daily - Winter (Max)	_	_	-	—	-	-	_	_	_	_	-	—	-	-	-	-	-	_
2024	1.98	5.55	13.0	18.5	0.03	0.53	1.10	1.64	0.49	0.26	0.75	—	3,898	3,898	0.13	0.12	0.14	3,936
2025	1.86	5.45	12.1	18.1	0.03	0.46	1.10	1.57	0.43	0.26	0.69	—	3,872	3,872	0.13	0.11	0.13	3,909
Average Daily	-	-	—	_	—	-	-	-	-	-	—	-	—	-	—	-	-	-
2024	0.93	2.24	6.33	8.66	0.01	0.27	0.87	1.14	0.25	0.32	0.56	-	1,763	1,763	0.06	0.05	0.94	1,780
2025	0.44	1.39	2.86	4.33	0.01	0.11	0.26	0.37	0.10	0.06	0.16	_	924	924	0.03	0.03	0.51	933
Annual	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_
2024	0.17	0.41	1.15	1.58	< 0.005	0.05	0.16	0.21	0.04	0.06	0.10	_	292	292	0.01	0.01	0.16	295
2025	0.08	0.25	0.52	0.79	< 0.005	0.02	0.05	0.07	0.02	0.01	0.03	_	153	153	< 0.005	< 0.005	0.08	154

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_			_								—					—
Unmit.	3.88	6.25	2.96	30.5	0.06	0.08	4.23	4.31	0.08	1.08	1.15	53.6	6,535	6,589	5.68	0.25	20.2	6,825
Daily, Winter (Max)		-	_		-	—		_	_			_			_			—
Unmit.	2.88	5.26	3.32	20.4	0.05	0.08	4.23	4.31	0.08	1.08	1.15	53.6	6,058	6,112	5.71	0.27	1.30	6,336

Average Daily (Max)			-	_	_	_				_								_
Unmit.	3.06	5.45	3.04	22.4	0.05	0.08	4.02	4.10	0.07	1.02	1.10	53.6	5,916	5,969	5.68	0.25	8.76	6,194
Annual (Max)	_	_	_	_	_	_	_	_		_	_	_	_	_		_	_	—
Unmit.	0.56	0.99	0.56	4.08	0.01	0.01	0.73	0.75	0.01	0.19	0.20	8.87	979	988	0.94	0.04	1.45	1,025

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	co	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	-	-	—	-	-	-	-	-	-	—	—	-	-	-	-	—	-	-
Mobile	3.21	3.00	2.49	23.8	0.05	0.05	4.23	4.27	0.04	1.08	1.12	_	5,353	5,353	0.20	0.22	19.4	5,444
Area	0.62	3.23	0.06	6.57	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	0.00	17.6	17.6	< 0.005	< 0.005	_	17.7
Energy	0.05	0.02	0.40	0.17	< 0.005	0.03	_	0.03	0.03	_	0.03	_	1,151	1,151	0.10	0.01	_	1,156
Water	-	_	_	_	_	_	_	_	_	_	_	7.31	13.0	20.3	0.75	0.02	_	44.4
Waste	-	_	_	_	_	—	_	_	_	—	_	46.3	0.00	46.3	4.62	0.00	_	162
Refrig.	-	—	—	—	—	—	—	—	—	—	_	—	—	—	—	—	0.80	0.80
Total	3.88	6.25	2.96	30.5	0.06	0.08	4.23	4.31	0.08	1.08	1.15	53.6	6,535	6,589	5.68	0.25	20.2	6,825
Daily, Winter (Max)	_	_	-	-	_	-	-	-	-	-	-	_	-	-	-	-	-	—
Mobile	2.83	2.61	2.91	20.3	0.05	0.05	4.23	4.27	0.04	1.08	1.12	-	4,894	4,894	0.23	0.24	0.50	4,973
Area	0.00	2.63	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.05	0.02	0.40	0.17	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,151	1,151	0.10	0.01	—	1,156
Water	-	_	_	_	_	—	_	_	_	—	_	7.31	13.0	20.3	0.75	0.02	_	44.4
Waste	_	_	—	_	—	_	_	_	_	_	_	46.3	0.00	46.3	4.62	0.00	_	162
Refrig.	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	0.80	0.80

Total	2.88	5.26	3.32	20.4	0.05	0.08	4.23	4.31	0.08	1.08	1.15	53.6	6,058	6,112	5.71	0.27	1.30	6,336
Average Daily	_	—	—	—	—	—	-	-	—	-	-	-	—	-	-	-	-	-
Mobile	2.70	2.50	2.61	19.0	0.05	0.04	4.02	4.06	0.04	1.02	1.06	_	4,743	4,743	0.21	0.22	7.96	4,822
Area	0.31	2.93	0.03	3.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.68	8.68	< 0.005	< 0.005	—	8.71
Energy	0.05	0.02	0.40	0.17	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,151	1,151	0.10	0.01	—	1,156
Water	-	—	-	—	—	—	-	—	-	-	—	7.31	13.0	20.3	0.75	0.02	-	44.4
Waste	-	_	-	—	-	_	_	—	-	-	—	46.3	0.00	46.3	4.62	0.00	_	162
Refrig.	_	—	-	—	—	—	_	—	—	_	—	_	—	—	—	—	0.80	0.80
Total	3.06	5.45	3.04	22.4	0.05	0.08	4.02	4.10	0.07	1.02	1.10	53.6	5,916	5,969	5.68	0.25	8.76	6,194
Annual	_	—	-	—	—	—	_	—	—	_	—	_	—	_	—	—	—	—
Mobile	0.49	0.46	0.48	3.46	0.01	0.01	0.73	0.74	0.01	0.19	0.19	_	785	785	0.03	0.04	1.32	798
Area	0.06	0.53	0.01	0.59	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	0.00	1.44	1.44	< 0.005	< 0.005	—	1.44
Energy	0.01	< 0.005	0.07	0.03	< 0.005	0.01	_	0.01	0.01	_	0.01	_	191	191	0.02	< 0.005	_	191
Water	-	-	-	_	-	-	-	—	-	_	—	1.21	2.15	3.36	0.12	< 0.005	-	7.35
Waste	_	_	_	_	_	_	_		_	_	_	7.66	0.00	7.66	0.77	0.00	_	26.8
Refrig.	_	_	_		_	_	_		_	_	—	_	_	_	—	_	0.13	0.13
Total	0.56	0.99	0.56	4.08	0.01	0.01	0.73	0.75	0.01	0.19	0.20	8.87	979	988	0.94	0.04	1.45	1,025

3. Construction Emissions Details

3.1. 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	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	—	_	—	_	—	_	_	_	—	_	—	—	—	—	_	—	—
Daily, Summer (Max)																		

Off-Road Equipmen		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 Movemen	 t	_					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 Equipmen		0.05	0.49	0.45	< 0.005	0.02	-	0.02	0.02	_	0.02	-	72.5	72.5	< 0.005	< 0.005	-	72.8
Dust From Material Movemen	 [-			-	0.27	0.27	-	0.14	0.14	-	-			-	-	-
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 Equipmen		0.01	0.09	0.08	< 0.005	< 0.005	-	< 0.005	< 0.005	_	< 0.005	_	12.0	12.0	< 0.005	< 0.005	-	12.1
Dust From Material Movemen	 :					-	0.05	0.05	-	0.03	0.03	_	-			-		
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	_	_	-	-	_	_	_	-	_	_	_	-	_	_	_	_	-	_
Daily, Summer (Max)				_		-	_	_	-	_		_	-	_	_	_	_	_
Worker	0.07	0.07	0.05	0.98	0.00	0.00	0.18	0.18	0.00	0.04	0.04	_	199	199	< 0.005	0.01	0.78	202

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	_	—	_	-	_	—	-	-	_	-	—	_	_	_	—	_	_	
Average Daily	—	—	_			—	—	_	—		—		—	—	—	—		—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.48	2.48	< 0.005	< 0.005	< 0.005	2.51
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	_	0.41	0.41	< 0.005	< 0.005	< 0.005	0.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2024) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	_	_	_	_							_			_			—
Off-Road Equipmen		1.90	18.2	18.8	0.03	0.84		0.84	0.77		0.77	_	2,958	2,958	0.12	0.02		2,969
Dust From Material Movemen	 !	_		_	_		7.08	7.08		3.42	3.42							—
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 Equipmen		0.04	0.40	0.41	< 0.005	0.02	—	0.02	0.02	_	0.02	_	64.8	64.8	< 0.005	< 0.005	—	65.1
Dust From Material Movemen	 :		_	_	_	_	0.16	0.16		0.08	0.08	_	_	_		_		_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen		0.01	0.07	0.08	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	10.7	10.7	< 0.005	< 0.005	—	10.8
Dust From Material Movemen		_	_	_	_	_	0.03	0.03	_	0.01	0.01	_	_	_		_		_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	_	_	_	_	_	_	_	-	_	-	_	_	_	_	_	_	_	_
Daily, Summer (Max)	—	_	_	-	-	-	_	_	—	_	-	-	-	-	—	-	—	-
Worker	0.06	0.06	0.04	0.84	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	171	171	< 0.005	0.01	0.67	173
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	-	-	_	-	-	_	—	_	-	-	—	_	_	_	_	_
Average Daily		_	_	_	_	_	_	_	—	_	_	_	_	_	—	_	_	_

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	3.40	3.40	< 0.005	< 0.005	0.01	3.44
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	_	0.56	0.56	< 0.005	< 0.005	< 0.005	0.57
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. Building Construction (2024) - Unmitigated

											,							
Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	_	_	—	_	_	—	—	_	_	_	—	_	—	—	_	—	-
Daily, Summer (Max)		—	-	-	—				—	_	—	_	-	—	—		—	_
Off-Road Equipmen		1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	-	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)			-	-	—				—	-			_	_	-		_	_
Off-Road Equipmen		1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	_	_	—	_	-	—	_	_	_	_	-	_	_	_	_	—	—	_
Off-Road Equipmen		0.48	4.44	5.18	0.01	0.20	_	0.20	0.18	_	0.18	_	948	948	0.04	0.01	_	951

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 Equipmer		0.09	0.81	0.95	< 0.005	0.04	_	0.04	0.03	_	0.03	_	157	157	0.01	< 0.005	_	157
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	0.34	0.33	0.22	4.66	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	951	951	0.01	0.03	3.71	965
Vendor	0.02	0.01	0.50	0.13	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	359	359	< 0.005	0.06	0.94	377
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	0.30	0.26	0.28	3.39	0.00	0.00	0.84	0.84	0.00	0.20	0.20	_	839	839	0.02	0.03	0.10	850
Vendor	0.02	0.01	0.53	0.13	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	-	360	360	< 0.005	0.06	0.02	376
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	0.12	0.11	0.10	1.38	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	341	341	0.01	0.01	0.63	346
Vendor	0.01	< 0.005	0.21	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	142	142	< 0.005	0.02	0.16	149
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	—	—	_	—	—	_	_	—	—	_	-	-	—	—	_	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.06	0.06	0.00	0.01	0.01	-	56.4	56.4	< 0.005	< 0.005	0.10	57.2
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	-	23.5	23.5	< 0.005	< 0.005	0.03	24.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	—	—	—	—	_	—	_	_	_	—	—	_	—	_	_	—
Daily, Summer (Max)		-	-	-	_	-	-	-	-	-	-	-	_	-	-	_	-	-
Off-Road Equipmen		1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	-	2,398	2,398	0.10	0.02	-	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)		_	-	-		-	_	_	-	-		-	_	_	-	-	-	_
Off-Road Equipmen		1.13	10.4	13.0	0.02	0.43	_	0.43	0.40	-	0.40	-	2,398	2,398	0.10	0.02	-	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	-	—	—	_	—	—	-	_	-	-	-	_	-	-	—
Off-Road Equipmen		0.26	2.45	3.06	0.01	0.10	_	0.10	0.09	-	0.09	-	563	563	0.02	< 0.005	_	565
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 Equipmen		0.05	0.45	0.56	< 0.005	0.02	_	0.02	0.02	—	0.02	-	93.2	93.2	< 0.005	< 0.005	-	93.5
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	0.32	0.29	0.19	4.35	0.00	0.00	0.84	0.84	0.00	0.20	0.20	_	931	931	0.01	0.03	3.35	945
Vendor	0.02	0.01	0.47	0.12	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	_	353	353	< 0.005	0.05	0.93	370
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	0.28	0.25	0.25	3.17	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	823	823	0.02	0.03	0.09	833
Vendor	0.02	0.01	0.50	0.13	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	353	353	< 0.005	0.05	0.02	369
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	0.07	0.06	0.05	0.76	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	199	199	< 0.005	0.01	0.34	201
Vendor	< 0.005	< 0.005	0.12	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	83.0	83.0	< 0.005	0.01	0.09	86.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	_	—	—	—	_	—	_	—	—	_	—	_	—	—	-	_
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.04	0.04	0.00	0.01	0.01	_	32.9	32.9	< 0.005	< 0.005	0.06	33.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	13.7	13.7	< 0.005	< 0.005	0.02	14.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

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

Off-Road Equipmen		0.76	6.87	8.89	0.01	0.33	_	0.33	0.30		0.30	_	1,351	1,351	0.05	0.01	_	1,355
Paving	—	0.27	_	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipmen		0.04	0.34	0.44	< 0.005	0.02	_	0.02	0.01		0.01		66.6	66.6	< 0.005	< 0.005	_	66.8
Paving	_	0.01	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	—	_	—	—	—	—	—	—	_	—	—	—	—	—	—	—	—
Off-Road Equipmen		0.01	0.06	0.08	< 0.005	< 0.005	-	< 0.005	< 0.005	_	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
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	0.08	0.08	0.05	1.11	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	228	228	< 0.005	0.01	0.89	231
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	—	10.2	10.2	< 0.005	< 0.005	0.02	10.3
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	—	1.69	1.69	< 0.005	< 0.005	< 0.005	1.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

												DOOD		000T-			D	
Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	-	—	—	—	—	—	—	-	—	—	—
Daily, Summer (Max)		—	_	—	_			_	—	_	_	—	_	_		_	_	_
Off-Road Equipmen		0.14	0.91	1.15	< 0.005	0.03	-	0.03	0.03	_	0.03	_	134	134	0.01	< 0.005	-	134
Architect ural Coatings		3.89	_	_	_			—	—	_	_	—	—	_	—	—	_	_
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 Equipmen		0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	-	134	134	0.01	< 0.005	—	134
Architect ural Coatings		3.89	_	-	_	_	_	_	_	_	_	_		_	_	_	_	
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 Equipmen		0.05	0.33	0.42	< 0.005	0.01	_	0.01	0.01	_	0.01	_	49.1	49.1	< 0.005	< 0.005	_	49.3
Architect ural Coatings		1.43	_	_	_	-	—	-	_	—	-	—	_	-	-	_	—	_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	-	_
Off-Road Equipmen		0.01	0.06	0.08	< 0.005	< 0.005	-	< 0.005	< 0.005	_	< 0.005	_	8.13	8.13	< 0.005	< 0.005	_	8.16
Architect ural Coatings		0.26	-		_			-			_	—	_	-	_		—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	_	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-	—
Daily, Summer (Max)		-	-	_	_		_	-	_	_	-	_	_	-	-	_	—	_
Worker	0.07	0.07	0.04	0.93	0.00	0.00	0.17	0.17	0.00	0.04	0.04	-	190	190	< 0.005	0.01	0.74	193
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	0.06	0.05	0.06	0.68	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	168	168	< 0.005	0.01	0.02	170
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	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	_	63.5	63.5	< 0.005	< 0.005	0.12	64.4

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	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	0.02	10.7
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

3.13. Architectural Coating (2025) - Unmitigated

Location	TOG	ROG	NOx	co	SO2	PM10E	PM10D	PM10T	3 ·	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
		KOO -			002	TINFICE				1102.50		0002	NDCO2	0021				0020
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-	-	—	-
Daily, Summer (Max)	_	_	_	_	_	_	_	_				_	_	_	_	_		_
Off-Road Equipmen		0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	_	3.89	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
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 Equipmen		0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings		3.89	-	—	_		—								_	_		-
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 Equipmen		0.03	0.23	0.30	< 0.005	0.01	_	0.01	0.01	_	0.01	_	35.0	35.0	< 0.005	< 0.005	_	35.1
Architect ural Coatings	—	1.02	_	—		_		_	_			_	-				—	_
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 Equipmen		0.01	0.04	0.05	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	5.80	5.80	< 0.005	< 0.005	_	5.82
Architect ural Coatings		0.19										—	-				—	_
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	0.06	0.06	0.04	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	186	186	< 0.005	0.01	0.67	189
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	0.06	0.05	0.05	0.63	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	165	165	< 0.005	0.01	0.02	167
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	0.01	0.01	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	-	44.3	44.3	< 0.005	< 0.005	0.08	45.0

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
Annual	—	—	—	_	—	—	—	_	—	_	—	_	—	—	—	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.34	7.34	< 0.005	< 0.005	0.01	7.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

			-	<i>.</i> , <i>.</i> ,		/	· · ·		,		· · · ·							
Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)				_		_	—	_	_				_	_		_		
Apartme nts Mid Rise	3.21	3.00	2.49	23.8	0.05	0.05	4.23	4.27	0.04	1.08	1.12	_	5,353	5,353	0.20	0.22	19.4	5,444
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
Total	3.21	3.00	2.49	23.8	0.05	0.05	4.23	4.27	0.04	1.08	1.12	—	5,353	5,353	0.20	0.22	19.4	5,444
Daily, Winter (Max)		—		_	—	—	_	_	_			_	_	-	_	_		
Apartme nts Mid Rise	2.83	2.61	2.91	20.3	0.05	0.05	4.23	4.27	0.04	1.08	1.12	_	4,894	4,894	0.23	0.24	0.50	4,973
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

Total	2.83	2.61	2.91	20.3	0.05	0.05	4.23	4.27	0.04	1.08	1.12	—	4,894	4,894	0.23	0.24	0.50	4,973
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.49	0.46	0.48	3.46	0.01	0.01	0.73	0.74	0.01	0.19	0.19		785	785	0.03	0.04	1.32	798
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
Total	0.49	0.46	0.48	3.46	0.01	0.01	0.73	0.74	0.01	0.19	0.19	—	785	785	0.03	0.04	1.32	798

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	TOG	ROG	NOx	co	SO2				1	PM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use																		
Daily, Summer (Max)		—	_	-	—	_	—	—	_	—		—	—	—	—	_	—	—
Apartme nts Mid Rise	_	_	_	_	_	_	—	_	—	_	_	—	562	562	0.05	0.01	_	565
Parking Lot		—	—	_	_	—	-	-	_	-	_	-	76.2	76.2	0.01	< 0.005	-	76.6
Total	_	—	—	_	—	—	—	—	—	—	—	—	638	638	0.05	0.01	—	642
Daily, Winter (Max)	—	-	_	_	_	_	-	_	—	_		—	-	_	-	_	-	—
Apartme nts Mid Rise		_		_		_	—			_			562	562	0.05	0.01	—	565
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	76.2	76.2	0.01	< 0.005	-	76.6
Total	—	—	_	—	—	—	_	_	—	_	_	_	638	638	0.05	0.01	_	642

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise													93.1	93.1	0.01	< 0.005		93.5
Parking Lot	—	—				—							12.6	12.6	< 0.005	< 0.005	—	12.7
Total	—	—	—	_	—	—	—	_	—	—	—	_	106	106	0.01	< 0.005	—	106

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

			. <u></u>	.,, . .		,		, ,	••••,,									
Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	-	—	—	_	-	—	-	—	—	_	—	—	_	-	-	—	—
Apartme nts Mid Rise	0.05	0.02	0.40	0.17	< 0.005	0.03	-	0.03	0.03		0.03	_	513	513	0.05	< 0.005		514
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
Total	0.05	0.02	0.40	0.17	< 0.005	0.03	—	0.03	0.03	_	0.03	—	513	513	0.05	< 0.005	—	514
Daily, Winter (Max)	_	-	-	-	-	-	-	-	_		_	-	-	-	-	-	_	—
Apartme nts Mid Rise	0.05	0.02	0.40	0.17	< 0.005	0.03	-	0.03	0.03		0.03	-	513	513	0.05	< 0.005	-	514
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
Total	0.05	0.02	0.40	0.17	< 0.005	0.03	_	0.03	0.03		0.03	_	513	513	0.05	< 0.005	_	514
Annual	_	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_

Apartme nts Mid Rise	0.01	< 0.005	0.07	0.03	< 0.005	0.01		0.01	0.01		0.01		84.9	84.9	0.01	< 0.005		85.1
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
Total	0.01	< 0.005	0.07	0.03	< 0.005	0.01	_	0.01	0.01	_	0.01	_	84.9	84.9	0.01	< 0.005	_	85.1

4.3. Area Emissions by Source

4.3.2. Unmitigated

		(· · · · ·			, . ,	(,, , ,									
Source	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	-	-	-	_	-	_	-	-	-	-	-	-	-	-	_		_
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00
Consum er Products	_	2.39	_	-		_	_	_	_	_	_	_	_	_	_		_	_
Architect ural Coatings	_	0.24	-	-		_	_	-	_	_	-	-	_	_	_	_	_	-
Landsca pe Equipme nt	0.62	0.59	0.06	6.57	< 0.005	< 0.005	—	< 0.005	< 0.005	-	< 0.005	-	17.6	17.6	< 0.005	< 0.005		17.7
Total	0.62	3.23	0.06	6.57	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	0.00	17.6	17.6	< 0.005	< 0.005	_	17.7
Daily, Winter (Max)	_	_	_	-		_	_	-	_	_	_	_	_	_	-	_	_	_
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00

Consum er Products	-	2.39	-	_	—	-	-	-	-	—	-	-	-	-	-	-	-	-
Architect ural Coatings	-	0.24	_	-	_	-	-	-	_	_	-	-	_	-	-	-	-	_
Total	0.00	2.63	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consum er Products	—	0.44	_	_	_	_	-	-	-		_	_	_	_	-	-	-	_
Architect ural Coatings	_	0.04	_	_		_	-	_	_		_	_		_	-	_	_	_
Landsca pe Equipme nt	0.06	0.05	0.01	0.59	< 0.005	< 0.005	_	< 0.005	< 0.005	-	< 0.005	_	1.44	1.44	< 0.005	< 0.005	_	1.44
Total	0.06	0.53	0.01	0.59	< 0.005	< 0.005	—	< 0.005	< 0.005	-	< 0.005	0.00	1.44	1.44	< 0.005	< 0.005	—	1.44

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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)	_	_		_	_						_		_			_	_	_
Apartme nts Mid Rise												7.31	13.0	20.3	0.75	0.02		44.4

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	7.31	13.0	20.3	0.75	0.02	_	44.4
Daily, Winter (Max)	_					—		—			_	_		_	_	_		_
Apartme nts Mid Rise												7.31	13.0	20.3	0.75	0.02		44.4
Parking Lot	—			—								0.00	0.00	0.00	0.00	0.00		0.00
Total	—	—	—	—	—	—	—	—	_	—	—	7.31	13.0	20.3	0.75	0.02	—	44.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	_
Apartme nts Mid Rise	_			_		—		—		—	_	1.21	2.15	3.36	0.12	< 0.005		7.35
Parking Lot	_	_	_	_		_	_	_		_	_	0.00	0.00	0.00	0.00	0.00		0.00
Total	_	_	_	_	_	_	_	_	_	_	_	1.21	2.15	3.36	0.12	< 0.005		7.35

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	—	-	—	-	-	—	—	—	—	—	—	—	—	—	—	—	
Apartme nts Mid Rise		_	_	_	_	_						46.3	0.00	46.3	4.62	0.00		162

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	_	_	_	—	_	—	_	_	_	_	46.3	0.00	46.3	4.62	0.00	_	162
Daily, Winter (Max)	_	_				—		—						_	_	_	—	_
Apartme nts Mid Rise												46.3	0.00	46.3	4.62	0.00	—	162
Parking Lot	—	—		_	—							0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	46.3	0.00	46.3	4.62	0.00	—	162
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	_	—	_
Apartme nts Mid Rise	_	_	_	_	_	—		_		—	_	7.66	0.00	7.66	0.77	0.00	—	26.8
Parking Lot	_	_	_	_	_	_	—	_		_	_	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	7.66	0.00	7.66	0.77	0.00	—	26.8

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—		—	—	—	—	—	—	—	_	_	—		—	—
Apartme nts Mid Rise	—	-	-	_		-	_	_			-	-					0.80	0.80
Total	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	0.80	0.80

Daily, Winter (Max)				_	-													_
Apartme nts Mid Rise				_	_												0.80	0.80
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.80	0.80
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise																	0.13	0.13
Total	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	0.13	0.13

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipme nt Type	TOG	ROG	NOx	со	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)

Equipme nt Type	TOG	ROG		со	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

Equipme nt Type	TOG	ROG		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

	egetatio TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 N2O R CC																	
Vegetatio n	TOG	ROG	NOx	со	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		_	_	-	_	—		_	_	_	_	-	_	_	_	_	_	_

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

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

Land Use	TOG	ROG	NOx	со	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

			,	<u>, , , , , , , , , , , , , , , , , , , </u>		,,		o, day 101	,		,							
Species	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_		_	—		_	_	_	_	_	_	_
Avoided		_	—	—	—	—	—	—	_	—	—	—	_	—	—	—	_	_
Subtotal	_	—	_	_	—	—	_	—	—	_	—	—	_	—	_	_	—	_
Sequest ered	—	_	—	—	—	—	—	—	—	—	—	—	_	—	—	—	—	—
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	—	_	_	_	_	_	—	_	_	_	_		_	_	_	_	—
Subtotal	_	_	—	—	—	—	—	—	—	—	—	—	_	—	—	—	—	_
—	_	-	—	—	—	—	_	—	—	—	-	-	_	_	_	—	—	_
Daily, Winter (Max)		_							_									—
Avoided	_	—	—	—	—	—	_	—	—	_	—	—	_	—	—	_	—	_
Subtotal	_	—	—	_	—	—	—	—	_	—	—	—	_	—	—	—	_	—
Sequest ered		_						—	_		_						_	—
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Remove	—	-	-	-	—	—	—	-	-	-	—	-	-	-	-	-	—	-
d																		
Subtotal	—	—	—	—	_	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	_	—	—	—	—	—	_	—	—	—	—	—	—	_
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	_
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	_	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered			—	—						—		_					_	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d			_	_			_			—	_	_	_	_	_		_	—
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
Site Preparation	Site Preparation	5/1/2024	5/7/2024	5.00	5.00	—
Grading	Grading	5/8/2024	5/17/2024	5.00	8.00	—
Building Construction	Building Construction	6/13/2024	4/30/2025	5.00	230	—
Paving	Paving	5/18/2024	6/12/2024	5.00	18.0	—
Architectural Coating	Architectural Coating	6/27/2024	5/14/2025	5.00	230	—

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
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backh oes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backh oes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backh oes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Tractors/Loaders/Backh oes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	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	Тгір Туре	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	-		—	_

Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	_	HHDT
Grading	—	—	_	—
Grading	Worker	15.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	_	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	83.5	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	12.4	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	_	HHDT
Paving	—	—	_	_
Paving	Worker	20.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	_	—
Architectural Coating	Worker	16.7	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	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)			Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	225,504	75,168	0.00	0.00	4,869

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	7.50	0.00	_
Grading	—	—	8.00	0.00	_
Paving	0.00	0.00	0.00	0.00	1.86

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
Apartments Mid Rise		0%
Parking Lot	1.86	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	528	0.03	< 0.005

2025	0.00	528	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
Apartments Mid Rise	631	570	474	218,958	5,944	5,365	4,469	2,062,321
Parking Lot	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)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	35
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	81
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
225504	75,168	0.00	0.00	4,869

5.10.3. Landscape Equipment

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)
Apartments Mid Ri	se	524,066	391	0.0330	0.0040	1,599,929
Parking Lot		71,089	391	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)
Apartments Mid Rise	3,812,505	96,170
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	85.8	<u> </u>
Parking Lot	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
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. 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
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5.16.2. Process Boilers

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

Equipment Type		Fuel Type	
_		_	
5.18. Vegetation			
5.18.1. Land Use Change			
5.18.1.1. Unmitigated			
Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
5.18.1. Biomass Cover Type			
5.18.1.1. Unmitigated			
Biomass Cover Type	Initial Acres	Final Acres	
5.18.2. Sequestration			
5.18.2.1. Unmitigated			
Тгее Туре	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
6. Climate Risk Detailed I	Report		

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
----------------	-----------------------------	------

Temperature and Extreme Heat	26.6	annual days of extreme heat
Extreme Precipitation	5.85	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	63.7
AQ-PM	15.1
AQ-DPM	14.1
Drinking Water	39.7
Lead Risk Housing	5.49

Pesticides	84.3
Toxic Releases	16.8
Traffic	5.90
Effect Indicators	_
CleanUp Sites	40.8
Groundwater	76.6
Haz Waste Facilities/Generators	78.8
Impaired Water Bodies	87.0
Solid Waste	97.9
Sensitive Population	_
Asthma	26.1
Cardio-vascular	64.3
Low Birth Weights	9.64
Socioeconomic Factor Indicators	—
Education	26.9
Housing	10.8
Linguistic	27.3
Poverty	30.9
Unemployment	22.6

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	
Above Poverty	73.68150905
Employed	52.68831002
Median HI	80.45682022

Education	-
Bachelor's or higher	68.40754523
High school enrollment	5.671756705
Preschool enrollment	30.89952521
Transportation	_
Auto Access	54.54895419
Active commuting	15.8475555
Social	_
2-parent households	79.26344155
Voting	94.30257924
Neighborhood	_
Alcohol availability	92.66007956
Park access	11.4718337
Retail density	3.06685487
Supermarket access	2.399589375
Tree canopy	10.02181445
Housing	_
Homeownership	81.9196715
Housing habitability	62.8127807
Low-inc homeowner severe housing cost burden	58.02643398
Low-inc renter severe housing cost burden	14.53868857
Uncrowded housing	58.74502759
Health Outcomes	_
Insured adults	93.45566534
Arthritis	71.8
Asthma ER Admissions	71.5
High Blood Pressure	85.1

Cancer (excluding skin)	40.8
Asthma	65.7
Coronary Heart Disease	85.5
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	91.2
Life Expectancy at Birth	75.3
Cognitively Disabled	96.3
Physically Disabled	86.7
Heart Attack ER Admissions	61.3
Mental Health Not Good	73.6
Chronic Kidney Disease	90.3
Obesity	70.2
Pedestrian Injuries	44.4
Physical Health Not Good	87.1
Stroke	88.3
Health Risk Behaviors	—
Binge Drinking	11.9
Current Smoker	64.6
No Leisure Time for Physical Activity	81.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	0.5
Elderly	55.1
English Speaking	69.8
Foreign-born	37.6
Outdoor Workers	58.7

Climate Change Adaptive Capacity	-
Impervious Surface Cover	79.6
Traffic Density	4.8
Traffic Access	23.0
Other Indices	_
Hardship	39.8
Other Decision Support	
2016 Voting	91.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	29.0
Healthy Places Index Score for Project Location (b)	63.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage adjusted to represent total site acreage
	Architectural coating assumed to start two weeks after building construction and last for the same duration.

APPENDIX B

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATED REPORT



PREPARED FOR:

USA PROPERTIES FUND, INC. 3200 DOUGLAS BLVDM, SUITE 200 ROSEVILLE, CALIFORNIA 95661

PREPARED BY:

GEOCON CONSULTANTS, INC. 3160 GOLD VALLEY DRIVE, SUITE 800 RANCHO CORDOVA, CALIFORNIA 95742

GEOCON PROJECT NO. S9578-05-37D





MARCH 2023



GEOTECHNICAL 🔳 ENVIRONMENTAL 🔳 MATERIALS

Project No. S9578-07-37D January 11, 2023 *Revised March 3, 2023*

Hannah Tamari, Development Project Associate USA Properties Fund, Inc. 3200 Douglas Blvd., Ste. 200 Roseville, California 95661

Subject: PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE REPORT CREEKVIEW INCLUSIONARY (LOTS C-40 AND C-43) ROSEVILLE, CALIFORNIA

Ms. Tamari:

In accordance with the *Professional Services Agreement* between Geocon Consultants, Inc. (Geocon) and USA Properties Fund, Inc. (USA PFI, the Client) dated December 20, 2022, Geocon performed a Phase I Environmental Site Assessment (ESA) update of Lots C-40 and C-43 (the Site) of the Creekview Property in Roseville, California. We performed the Phase I ESA update for USA PFI to assess the Site for the potential presence of recognized environmental conditions as defined by the American Society for Testing and Materials (ASTM) *Designation E1527-21, Standard Practice for Environmental Site Assessments: Phase I ENVironmental Site Assessment Process* prior to purchasing the Site. The enclosed report describes the Phase I ESA update and presents our findings, conclusions, and recommendations. This Phase I ESA update provides up-to-date information available for the Site since our November 2021 Phase I ESA report.

The Code of Federal Regulations (CFR) *Standards and Practices for All Appropriate Inquiries* (AAI; CFR Title 40, Part 312) identifies ASTM *Designation E 1527-21* as an acceptable guidance document for performing a Phase I ESA that satisfies the federal requirements for conducting AAI under Sections 101(35)(B)(ii) and (iii) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

We appreciate the opportunity to have assisted USA PFI with this project. Please contact us if you have any questions concerning this report including our findings, conclusions, and recommendations or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

Chris Bates Senior Staff Scientist

Matthew Tidwell, PG Project Geologist

TABLE OF CONTENTS

PHAS	E I ENV	'IRONMENTAL SITE ASSESSMENT UPDATE REPORT PA	GE
1.0	INTRO	DDUCTION	1
	1.1	Purpose and Definitions	2
	1.2	Phase I ESA Principles	3
	1.3	Scope of Services	
	1.4	Report Limitations	
	1.5	Data Gaps	5
2.0	SITE I	DESCRIPTION	6
	2.1	Location and Legal Description	6
	2.2	Site and Vicinity General Characteristics	6
		2.2.1 Topography	6
		2.2.2 Geologic Conditions	
		2.2.3 Soil Conditions	
		2.2.4 Hydrologic and Hydrogeologic Conditions	
	2.3	Current and Planned Uses of the Site	
	2.4	Descriptions of Structures, Roads, Other Improvements on the Site	
	2.5	Current Uses of Adjoining and Adjacent Properties	8
3.0	USER	-PROVIDED INFORMATION	
	3.1	Title, Appraisal and Sale Agreement Records	
	3.2	Environmental Liens or Activity and Use Limitations	
	3.3	Specialized Knowledge	
	3.4	Commonly Known or Reasonably Ascertainable Information	
	3.5	Valuation Reduction for Environmental Issues	
	3.6	Owner, Property Manager, and Occupant Information	
	3.7	Reason for Performing Phase I ESA Update	
	3.8	Previous Reports	
		3.8.1 Phase I ESA, Creekview Property – May 13, 2013	
		3.8.2 Phase II ESA, Creekview Property – January 14, 2014	
		3.8.3 Phase I ESA Update and Limited Phase II ESA, Creekview Property	
		December 14, 20183.8.4 Phase I ESA Update, Creekview Property – September 21, 2020	
		3.8.5 Phase I ESA Update, Creekview Property – September 21, 2020	
		November 30, 2021	
1.0	DECO		
4.0	4.1	RDS REVIEW Standard Environmental Record Sources	
	4.1	4.1.1 Site	
		4.1.1 Site	
	4.2	Orphan Summary	
	4.3	Other Environmental Record Sources	
	ч.5	4.3.1 GeoTracker and EnviroStor	
		4.3.2 Placer County	
		4.3.3 City of Roseville	
		4.3.4 California Geologic Energy Management Division	
		4.3.5 National Pipeline Mapping System	
5.0	ніста	DRICAL USE	
5.0	5.1	Aerial Photographs	
	5.2	Topographic Maps	
	5.3	City Directories	
	2.2		. 10

TABLE OF CONTENTS (continued)

6.0	SITE R	ECONNAISSANCE	16
	6.1	Methodology and Limiting Conditions	16
	6.2	Site Setting	16
	6.3	Onsite Survey	16
	6.4	Offsite Survey	17
7.0	INTER	VIEWS	17
8.0	CONCI	LUSIONS AND RECOMMENDATIONS	18
9.0	REFER	ENCES	19
10.0	QUALI	FICATIONS	20

FIGURES

- 1
- Site Location Map Site Plan, Lot C-40 2-1
- Site Plan, Lot C-43 2-2

PHOTOGRAPHS (1 through 22)

APPENDICES

- А
- Assessor's Parcel Maps User-Provided Information В
- С
- EDR Radius Map with GeoCheck EDR Historical Aerial Photographs EDR Historical Topographic Maps EDR City Directories Site Owner/Occupant Questionnaire D
- Е
- F
- G

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE REPORT

1.0 INTRODUCTION

Geocon Consultants, Inc. (Geocon) performed a Phase I Environmental Site Assessment (ESA) update of Parcels C-40 and C-43 (the Site) of the Creekview Property in Roseville, California (Figure 1). We performed the Phase I ESA update for USA Properties Fund, Inc (USA PFI, the Client) to assess the Site for the potential presence of recognized environmental conditions (REC), as defined by the American Society for Testing and Materials (ASTM) *Designation E1527-21*, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* prior to USA PFI purchasing the Site. This report summarizes the methodology and presents the findings of the Phase I ESA update.

This report describes and presents the findings of the Phase I ESA update and provides our conclusions and recommendations based on those findings. The report is organized as follows:

- Section 1.0 provides a description of the purpose and objectives of the Phase I ESA update, defines conditions and/or features that constitute an REC, other qualified RECs, and potential environmental concerns, and describes the Phase I ESA update services, limitations, and any identified data gaps;
- Section 2.0 describes the physical setting and conditions of the Site and surrounding area;
- Section 3.0 summarizes information regarding the Site provided by the USA PFI as the "user" of the Phase I ESA update;
- Section 4.0 summarizes readily available records for the Site and surrounding properties that we obtained from regulatory and administrative agencies and other sources;
- Section 5.0 describes the historical use of the Site and surrounding area ascertained from historical records and information sources;
- Section 6.0 describes the Site and surrounding properties and facilities from our observations during the site reconnaissance;
- Section 7.0 summarizes information obtained from interviews of persons familiar with the Site (owner, occupants, tenants, neighbors, etc.);
- Section 8.0 presents our Phase I ESA update findings, provides our conclusions regarding the environmental conditions of the Site including the potential presence of RECs, other qualified RECs, or potential environmental concerns, and provides recommendations for further environmental assessment, if any;
- Section 9.0 lists references for information sources used during this Phase I ESA update; and
- Section 10.0 provides a qualifications statement from the environmental professional responsible for the Phase I ESA update and report.

1.1 Purpose and Definitions

The purpose of the Phase I ESA update will be to identify evidence or indications of RECs, or other qualified RECs, at the Site as defined by ASTM *Designation E1527-21* and/or any potential environmental concerns. ASTM *Designation E1527-21* defines an REC as "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. De minimis conditions are further described as "a condition related to a release that generally does not present a threat to human health or the environment and generally would not be the subject of the enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition."

ASTM *Designation E1527-21* also defines "Historical" and "Controlled" RECs (HREC and CREC, respectively). An HREC is defined as "a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations)." A CREC is defined as "recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations)." An HREC is generally not an REC if a property meets current standards for unrestricted residential use. A CREC remains an REC by definition when a property does not meet the unrestricted residential use requirement unconditionally.

We define a "potential environmental concern" as a past use of the Site or adjoining or adjacent property that may have involved the use, storage, and/or release of hazardous substances or petroleum products that could have impacted the Site, but for which there are no records or other information to confirm that use, storage, or release. An example would be the possible application of pesticides to an agricultural field (i.e., irrigated row crop or orchard), but for which there are no records of such application or confirmation from a knowledgeable person (i.e., site owner/occupant/operator) that pesticides were used at the Site.

The Code of Federal Regulations (CFR) Standards and Practices for All Appropriate Inquiries (AAI; CFR Title 40, Part 312) identifies ASTM *Designation E1527-21* as an acceptable guidance document for performing a Phase I ESA that satisfies the federal requirements for conducting AAI under

Sections 101(35)(B)(ii) and (iii) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The purpose of conducting AAI is to meet some of the requirements to qualify for certain landowner liability protections under CERCLA. This Phase I ESA update was also performed to assist with documenting compliance with 24 CFR §58.5(i)(2) or §50.3(i) as it specifically pertains to the Phase I ESA stated scope of services, limitations and conclusions, and applicability to ASTM *Designation E1527-21*.

1.2 Phase I ESA Principles

The following principles are an integral part of ASTM *Designation E1527-21*:

- "Uncertainty Not Eliminated No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a subject property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a subject property, and this practice recognizes reasonable limits of time and cost."
- "Not Exhaustive All Appropriate Inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information."
- "Level of Inquiry is Variable Not every property will warrant the same level of assessment. Consistent with good commercial and customary standards and practices as defined at 42 U.S.C. § 9601(35)(B), the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, future intended uses of the subject property disclosed to the environmental professional, and the information developed in the course of the inquiry."
- "Comparison with Subsequent Inquiry It should not be concluded or assumed that an inquiry was not all appropriate inquiries merely because the inquiry did not identify recognized environmental conditions in connection with a subject property. Environmental site assessments must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent environmental site assessments should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors."
- **"Point in Time** The environmental site assessment is based upon conditions at the time of completion of the individual environmental site assessment elements." The following table lists the Phase I ESA update elements and the date they were completed:

Phase I ESA Element	Report Section	Completion Date
Physical Setting Resources	2.0	January 6, 2023
User's Responsibilities	3.0	January 11, 2023
Government Records	4.0	January 6, 2023
Historical Records	5.0	January 6, 2023
Site Reconnaissance	6.0	December 22, 2022
Owner/Operator/Occupant Interviews	7.0	January 10, 2023
Local Government Official Interviews	4.0	January 6, 2023
Evaluation and Report	8.0	January 6, 2023

Therefore, the information contained herein is valid as of December 22, 2022, and will require an update after approximately 180 days to reflect updated records and another site reconnaissance to assess current site conditions.

1.3 Scope of Services

Geocon Proposal No. S9578-07-37DP dated December 14, 2022, and included in the *Professional Services Agreement*, describes the services for this Phase I ESA update. We performed the services as outlined in the proposal with the exception that we did not review Sanborn Fire Insurance Maps (Sanborn maps) as Environmental Data Resources, Inc. (EDR) indicated that Sanborn map coverage does not exist for the Site and vicinity.

The main components of the Phase I ESA update and their objectives, as specified by the referenced standards, include the following:

- **Physical Setting:** We reviewed various references to obtain information concerning the topographic, geologic, and hydrologic/hydrogeologic characteristics of the Site and vicinity. Such information may be indicative of the direction and/or extent that a contaminant could be transported in the event of a spill or release on or near the Site.
- **Records Review:** We reviewed publicly available federal, state, and local regulatory agency records to obtain information that could potentially help identify RECs at or potentially affecting the Site.
- Site History: We reviewed historical information sources to assess previous uses of the Site and surrounding area and identify those that could have led to RECs on the Site. Those information sources included historical aerial photographs and topographic maps, and city directories. In addition, we conducted interviews with persons who were expected to be reasonably knowledgeable about historical and/or current uses and conditions at of the Site.
- Site Reconnaissance: We performed a site reconnaissance to observe site uses and conditions for evidence or indications of RECs. We viewed adjoining and adjacent offsite properties and features solely from the vantage of the Site and public thoroughfares.

1.4 Report Limitations

We prepared this Phase I ESA update report exclusively for USA PFI. The information obtained is only relevant for the latest dates of the records reviewed, the latest site visit, and completion of interviews with government officials and/or site owner(s), occupant(s), and/or operator(s) as cited in Section 1.1.

USA PFI should recognize that a Phase I ESA update is not a comprehensive site characterization and should not be construed as such. The findings and conclusions presented in this report are predicated on the site reconnaissance, information in the specified regulatory records, and information regarding the historical usage of the Site, as presented in this report. USA PFI should also understand that we did not assess the Site for wetlands or perform testing (sample collection and laboratory analysis) for asbestos-containing building materials, lead-containing paint, lead in drinking water, radon, mercury or other contaminants related to mining, methane, mold, per- and polyfluoroalkyl substances, or potential naturally occurring hazards such as asbestos and arsenic as part of this Phase I ESA update. The Phase I ESA update did not include sample collection or laboratory analysis, nor did it include the evaluation of regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, air quality or geologic hazards.

The information provided in this report is not meant to eliminate the risk involved in property transactions. No guarantee or warranty of the results of the Phase I ESA update is implied within the intent of this report or any subsequent reports, correspondence or consultation, either express or implied. We strived to conduct the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

1.5 Data Gaps

A data gap is defined by ASTM *Designation E 1527-21* as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information." Data gaps could include such things as insufficient historical information, the inability to interview persons with direct site knowledge (e.g., the owner(s), past owner(s), tenants, workers, etc.) or the lack of access to all parts of a site during the site reconnaissance.

A "significant" data gap is defined by *ASTM Designation E 1527-21* as "a data gap that affects the ability of the environmental professional to identify a recognized environmental condition." These data gaps are only significant if "other information and/or professional experience raises reasonable concerns involving the effects of that data gap on the ability of the environmental professional to render an opinion regarding whether conditions exist that are indicative of recognized environmental conditions."

We identified no significant data gaps during this Phase I ESA update. As described in Section 1.2, we did not review Sanborn maps for the Site as EDR indicated that Sanborn map coverage does not exist for the Site and vicinity. However, we were able to review other sufficient historical information and therefore do not consider the lack of Sanborn map coverage a significant data gap.

2.0 SITE DESCRIPTION

This section describes the location and physical characteristics of the Site including its size, topography, geologic, soil, and hydrogeologic conditions.

2.1 Location and Legal Description

The Site consist of two lots, C-40 and C-43, within the larger 461-acre Creekview Property in western Roseville (Figure 1). Lot C-40 (Figure 2-1, approximately 5.2 acres) is situated toward the center of the Creekview Property and Lot C-43 (Figure 2-2, approximately 3.9 acres) is situated in the southeastern portion of the Creekview Property. Lot C-43 is adjacent to the north of Blue Oaks Boulevard and approximately 100 feet southwest of Pleasant Grove Creek. Lot C-40 is adjacent to the east of Westbrook Boulevard and approximately 120 feet northeast of Pleasant Grove Creek.

Within the Public Land Survey System of California, the Site is in the southeastern portion of Section 14 of Township 11 North, Range 5 East, Mt. Diablo Base and Meridian.

The Placer County assessor's parcel numbers (APNs) for the Site are 017-101-054-000 (Lot C-40) and 017-490-025-000 (Lot C-43). Parcel maps depicting the Site are in Appendix A.

2.2 Site and Vicinity General Characteristics

Lots C-40 and C-43 are vacant land that has been or is in the process of being graded for high-density residential housing and is surrounded by similar vacant and/or residential developments in western Roseville (Figures 2-1 and 2-2).

The surrounding vicinity consists of residential and commercial developments and similar vacant land. Roseville Energy Park is south of the Site.

2.2.1 Topography

The United States Geological Survey (USGS) *Pleasant Grove, California* topographic map depicts the topography of the Site as nearly flat-lying terrain with elevations ranging from approximately 80 to 85 feet above mean sea level (USGS, 2021).

2.2.2 Geologic Conditions

We obtained geologic information regarding the Site from a variety of sources including:

- California Geology (Harden, 2003);
- Note 36, California Geomorphic Provinces (California Geological Survey [CGS], 2002); and
- Preliminary Geologic Map of the Sacramento 30' x 60' Quadrangle, California (CGS, 2011).

Following are summaries of pertinent information obtained.

2.2.2.1 Geomorphic Region

The Site is situated in the southeastern Sacramento Valley, which is the northern portion of the Great Valley geomorphic province of California. The Sacramento Valley is bounded by the Sierra Nevada and southern Cascade Range to the east and the Coast Ranges to the west and drains south to the Sacramento-San Joaquin delta. The Sacramento Valley is filled with a thick sequence of Jurassic to Recent-age sedimentary deposits, both continental and marine in origin (CGS, 2002; Harden, 2003).

2.2.2.2 Geologic Formations/Stratigraphy

Surficial geology at the Site consists of Pleistocene Riverbank Formation and Turlock Lake Formation. The Riverbank Formation is comprised of loosely consolidated discontinuous interbedded layers of clay, silt, sand, and gravel deposited by streams emanating from the Sierra Nevada (CGS, 2011). The Turlock Lake Formation is comprised of deeply weathered and dissected silt, sand, and gravel alluvial deposits.

2.2.3 Soil Conditions

Geocon performed a geotechnical investigation of the Creekview Property, which included the Site, in August 2014. The geotechnical investigation included excavation of 34 exploratory test pits, advancement of 14 hollow-stem auger borings, and collection and testing of the physical properties of soil samples. Soil encountered at the Site included interlayered sandy silt, silty clay, silty sand, lean clay, and poorly graded and well-graded sand to the maximum depth explored of approximately 61 feet (Geocon, 2014).

The United States Department of Agriculture – Natural Resources Conservation Service Web Soil Survey (http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx) indicates that surficial soil on the Site is classified as follows:

- Cometa-Fiddyment complex: well-drained sandy loam and clay derived from alluvium;
- Xerofluvents, frequently flooded: somewhat poorly drained stratified loamy sand to fine sandy loam to silt loam derived from alluvium; and
- Xerofluvents, hardpan substratum: somewhat poorly drained stratified loam to clay loam derived from alluvium.

2.2.4 Hydrologic and Hydrogeologic Conditions

There are no surface water bodies on the Site. The nearest surface water body is Pleasant Grove Creek approximately 120 feet southwest of Lot C-40 and 100 feet northeast of Lot C-43.

Site-specific groundwater information is not available. We did not encounter groundwater during our 2014 geotechnical investigation including exploratory borings completed to a depth of 31.5 feet on Lot C-40 and C-43. The Department of Water Resources' Sustainable Groundwater Management ACT (SGMA) Data Viewer (Data Viewer) web portal (https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#gwlevels) identifies a former water supply well (WCR-2020-013588) approximately 260 feet northwest of Lot C-43. Depth to groundwater in this well was measured at 93 feet in September 2020. Information available on the SGMA Data Viewer indicates that groundwater beneath the Site flows south.

2.3 Current and Planned Uses of the Site

Lot C-43 has been graded and is vacant and Lot C-40 is graded and currently used as an infrastructure material staging area. USA PFI plans to develop the Site with high-density residential housing.

2.4 Descriptions of Structures, Roads, Other Improvements on the Site

No structure or roads are on the Site. Further description of site conditions is in Section 6.0.

2.5 Current Uses of Adjoining and Adjacent Properties

Adjoining properties are either vacant land or undergoing residential development of single-family homes. Beyond Blue Oaks Boulevard to the south of Lot C-43 is the approximate 20-acre Roseville Energy Park facility. Further descriptions of the adjoining properties are in Section 6.0.

3.0 USER-PROVIDED INFORMATION

We provided Hannah Tamari with a user questionnaire regarding environmental conditions at the Site. Following are summaries of information provided by Ms. Tamari.

3.1 Title, Appraisal and Sale Agreement Records

This section summarizes user (USA PFI)-provided information regarding the Site provided by Hannah Tamari with the USA PFI. We also provided Ms. Tamari with a user questionnaire to obtain information from USA PFI as the "user" of the Phase I ESA regarding the past and present uses of the Site and the potential for impacts related to the use, storage, or disposal of hazardous substances and/or petroleum products on the Site. A copy of the completed user questionnaire is in Appendix B.

3.2 Environmental Liens or Activity and Use Limitations

Ms. Tamari indicated that she is not aware of any environmental liens or activity and use limitations for the Site.

3.3 Specialized Knowledge

Ms. Tamari indicated that she has no specialized knowledge regarding past or current uses of the Site that could potentially impair, or could have impaired, the environmental conditions of the Site. We also asked Ms. Tamari if she had knowledge of legal or administrative proceedings involving the Site and she indicated that she did not.

3.4 Commonly Known or Reasonably Ascertainable Information

Ms. Tamari indicated that she is not aware of any commonly known or reasonably ascertainable information regarding the Site other than its past agricultural use.

3.5 Valuation Reduction for Environmental Issues

Ms. Tamari is not aware of any environmental conditions on the Site which could lead to a potential valuation reduction for the Site.

3.6 Owner, Property Manager, and Occupant Information

We provided Ms. Tamari with a Site owner/occupant questionnaire to forward to the owner, Anthem Properties. Steve Porter, Director of Development, with Anthem Properties filled out the Site owner/occupant questionnaire. Information from this questionnaire is summarized in Section 7.0.

3.7 Reason for Performing Phase I ESA Update

USA PFI requested the Phase I ESA update to obtain information regarding the potential presence of hazardous substances and/or petroleum product impacts at the Site prior to acquiring the Site for development.

3.8 **Previous Reports**

We previously performed a Phase I ESA of the Creekview Property, which included the Site in May 2013. We also performed a Phase II ESA of an approximately 90-acre portion of the Creekview Property, which included the Site in January 2014, a Phase I ESA update and limited Phase II ESA of the Creekview Property in December 2018, a Phase I ESA update of the Creekview Property in September 2020, and a Phase I ESA update of Lots C-40 and C-43 in November 2021. The findings of these assessments are summarized below.

3.8.1 Phase I ESA, Creekview Property – May 13, 2013

Our 2013 Phase I ESA revealed no evidence of RECs in connection with the Creekview Property, which included the Site. However, we considered the past farming use of a portion of the property south of Pleasant Grove Creek a potential environmental concern as pesticides might have been applied to crops and could have been present in soil as a result. Since the future land use was planned to be primarily residential, we recommended an investigation of shallow soil south of Pleasant Grove Creek to assess soil for the potential presence of pesticides and arsenic in soil. We also indicated that a portion of the property that was proposed to be developed in the future as a school site may be required by the State to undergo assessment for pesticides and metals (Geocon, 2013).

We stated that water supply wells in the former farmstead area (northwest of the property) and tenant residence area (within Lot C-43), respectively, should be properly abandoned in accordance with Placer County requirements. A California Department of Water Resources Well Completion Report for the water supply well within Lot C-43, available on the SGMA Data Viewer, indicates it was destroyed in July 2019.

3.8.2 Phase II ESA, Creekview Property – January 14, 2014

We performed a Phase II ESA of an approximately 90-acre portion of the Creekview Property, which was adjacent to the northwest of Lot C-43. This property was proposed for residential development at that time.

In December 2013 we collected surface soil samples at 19 locations throughout the property and had the samples analyzed for organochlorine pesticides (OCPs) and arsenic. Arsenic was detected in all 19 soil samples at concentrations ranging from 1.2 to 1.9 milligrams per kilogram (mg/kg). Arsenic is a natural mineralogic component of soil and its naturally occurring or "background" concentrations in California soils typically range from 0.6 to 11 mg/kg (and much higher in some areas depending on the mineralogy of the soil's parent material) (Bradford, et al, 1996). Therefore, regulatory agencies, such as the California Department of Toxic Substances Control (DTSC), generally allow comparison of arsenic concentrations in soil to background concentrations as opposed to health risk-based screening levels. The reported arsenic concentrations for the 19 soil samples were within the range of naturally occurring concentrations.

Only one OCP (dichlorodiphenyltrichloroethane or "DDT") was detected in one of 19 soil samples collected. DDT was detected in this sample at a concentration of 2.6 micrograms per kilogram (μ g/kg), which is three orders of magnitude less than the United States Environmental Protection Agency's health risk-based Regional Screening Level (RSL) for DDT in residential soil of 1,900 μ g/kg (USEPA, 2020). We concluded that no further environmental assessment of the 90-acre property appeared to be warranted at that time (Geocon, 2014).

3.8.3 Phase I ESA Update and Limited Phase II ESA, Creekview Property – December 14, 2018

Our Phase I ESA update of the Creekview Property, which included the Site, revealed no evidence of RECs in connection with the property and the Site. We also performed a limited Phase II ESA, which included collection of surface soil samples at 25 locations on the portion of the property north of Pleasant Grove Creek, which included Lot C-40, and analysis of the samples for OCPs and arsenic. OCPs were not detected in any of the soil samples. Arsenic was detected in 19 of the 25 soil samples at concentrations ranging from 1.1 to 1.6 mg/kg all of which were within the range of background arsenic concentrations in soil. We concluded that no further environmental assessment of the property appeared to be warranted at that time (Geocon, 2018).

3.8.4 Phase I ESA Update, Creekview Property – September 21, 2020

Our 2020 Phase I ESA update of the Creekview property, which included the Site, revealed no evidence of RECs in connection with the property and the Site. We concluded that no further environmental assessment of the property appeared to be warranted at that time (Geocon, 2020).

3.8.5 Phase I ESA Update, Creekview Property Lots C-40 and C-43 – November 30, 2021

Our 2021 Phase I ESA update revealed no evidence of RECs in connection with the Site. We concluded that no further assessment of the Site appeared to be warranted at that time (Geocon, 2021).

4.0 RECORDS REVIEW

This section summarizes information we obtained from readily available agency records pertaining to the Site and properties and facilities in the vicinity of the Site.

4.1 Standard Environmental Record Sources

EDR searched federal, state, and local environmental databases for the Site and properties/facilities within one mile of the Site. The following table lists the databases that were searched that list properties/facilities and the number of properties/facilities listed. Other databases searched that do not list any properties/facilities are not included in the table. A copy of the report: *The EDR Radius Map Report with GeoCheck*, dated December 27, 2022, is in Appendix C.

Database Name	Search Radius (Miles)	Number of Listings	
STATE, LOCAL, AND TRIBAL DATABASES			
State and Tribal Hazardous Waste Facilities (EnviroStor)	1.0	3	

4.1.1 Site

The Site is not listed on any of the databases searched by EDR.

4.1.2 Offsite Properties

No properties or facilities within ¹/₄ miles of the Site are not listed on the databases searched by EDR. The nearest property or facility to the Site is W-70 Elementary School approximately 3,480 feet southwest of the Site. This school is listed on the EnviroStor and SCH (School Property Evaluation Program) databases. No releases were reported for this school on these databases. Given this school's distance from the Site and that no releases were reported at it, this school is unlikely to have caused an REC at the Site.

4.2 Orphan Summary

EDR's Orphan Summary identifies facilities that have incomplete address information and could not be specifically plotted. No properties or facilities are listed on the Orphan Summary.

4.3 Other Environmental Record Sources

4.3.1 GeoTracker and EnviroStor

We searched for information available on GeoTracker (GeoTracker) online environmental data management system (http://geotracker.waterboards.ca.gov) and the DTSC EnviroStor online environmental data management system (http://www.envirostor.dtsc.ca.gov/public/) for information regarding documented environmental assessment and cleanup at the Site and/or properties/facilities within ¹/₄ mile of the Site. GeoTracker and the DTSC EnviroStor does not have information regarding documented environmental assessment or cleanup at the Site and/or properties/facilities within ¹/₄ mile of the Site.

4.3.2 Placer County

We submitted online requests to the Placer County Environmental Health Department (PCEHD) and the Air Pollution Control District, for records pertaining to the use, storage, disposal, or any releases of or violations related to hazardous substances and/or petroleum at the Site. We received an automated email reply, on December 29, 2022, indicating that those agencies have no records pertaining to the Site. We submitted an email request to the Placer County Agricultural Commissioner for any records pertaining to the Site. Darryl Mitani, Supervising Agricultural Inspector, responded that they have no records of pesticide applications for the Site for the preceding three years from January 9, 2023.

4.3.3 City of Roseville

We submitted an online request to the City of Roseville for any records pertaining to the use, storage, disposal, or any releases of or violations related to hazardous substances and/or petroleum products at the Site. Blair Hutchinson, City Clerk Technician, indicated on January 6, 2023, that the city's search showed no records pertaining to the Site.

4.3.4 California Geologic Energy Management Division

The California Geologic Energy Management Division's (CalGEM) online mapping system (Well Finder) does not show any oil, gas, or hydrothermal wells or fields within the vicinity of the Site.

4.3.5 National Pipeline Mapping System

The National Pipeline Mapping System (NPMS) online mapping system identifies a natural gas pipeline approximately 1,200 feet south of the Site, terminating at the Roseville Energy Park. The NPMS does not show any other natural gas or liquid petroleum pipelines on or within ¹/₄ mile of the Site (USDOT, 2020).

5.0 HISTORICAL USE

We evaluated the historical use of the Site and adjacent properties through review of historical aerial photographs, topographic maps, and city directories provided by EDR. This section summarizes information obtained from these sources.

5.1 Aerial Photographs

EDR provided historical aerial photographs for the years 1937, 1947, 1952, 1962, 1966, 1975, 1984, 1993, 1998, 2006, 2009, 2012, and 2016 (Appendix D), and we reviewed Google Earth imagery for the years 2017 through 2021. The following table summarizes our observations of the Site and adjoining and adjacent properties on the historical aerial photographs.

Year	Observations		
	Site	Adjoining and Adjacent Properties	
1937 (1" = 500')	The Site appears to have been dry farmed for livestock grains (i.e., wheat and/or barley).	The adjoining and adjacent properties were similar dry-farmed fields and/or livestock grazing land. Pleasant Grove Creek was present south of Lot C-40 and northeast of Lot C-43. An unimproved road (currently Blue Oaks Boulevard) was adjoining to the south of Lot C- 43.	
1947 (1" = 500')	Conditions were similar to those observed in the 1937 photograph.	Conditions were similar to those observed in the 1937 photograph.	
1952 (1" = 500')	The Site appears to have been livestock grazing land.	Adjoining and adjacent properties appear to have been livestock grazing land.	

Voor	Observations		
Year	Site	Adjoining and Adjacent Properties	
1962 (1" = 500')	Conditions were similar to those observed in the 1952 photograph.	Conditions were similar to those observed in the 1952 photograph except adjoining and adjacent properties north of Lot C-40 are shown on the 1962 photograph.	
1966 (1" = 500')	Conditions were similar to those observed in the 1962 photograph.	Conditions were similar to those observed in the 1962 photograph except irrigated farmed-fields appear to have been present beyond Pleasant Grove Creek southwest of Lot C-40.	
1975 (1'' = 500')	Conditions were similar to those observed in the 1966 photograph except a seasonal pond was present on Lot C-43.	Conditions were similar to those observed in the 1966 photograph, except structures were present southwest, south, and east of Lot C-43.	
1984 (1" = 500')	Conditions were similar to those observed in the 1975 photograph except structures were present in the eastern portion of Lot C-43.	Conditions were similar to those observed in the 1975 photograph except additional structures were present southwest-southeast of Lot C-43.	
1993 (1" = 500')	Conditions were similar to those observed in the 1984 photograph except irrigated farmed-fields was present in the central and western portions of Lot C-43.	Conditions were similar to those observed in the 1984 photograph except irrigated farmed-fields was north-west of Lot C-43.	
1998 (1" = 500')	Conditions were similar to those observed in the 1993 photograph except the central and western portions of Lot C-43 appears to be fallow.	Conditions were similar to those observed in the 1993 photograph except the land north and west of Lot C-43 appears to be fallow.	
2006 (1" = 500')	Conditions were similar to those observed in the 1998 photograph.	Conditions were similar to those observed in the 1998 photograph except the Roseville Energy Park (appears to have been under construction) was beyond the undeveloped land south of Lot C-43.	
2009 (1" = 500')	Conditions were similar to those observed in the 2006 photograph.	Conditions were similar to those observed in the 2006 photograph except the Roseville Energy Park south of Lot C-43 appears to have been completed.	
2012 (1" = 500')	Conditions were similar to those observed in the 2009 photograph.	Conditions were similar to those observed in the 2009 photograph.	
2016 (1" = 500')	Conditions were similar to those observed in the 2012 photograph.	Conditions were similar to those observed in the 2012 photograph.	
2018-2021 (Google Earth)	Conditions were similar to those observed in the 2016 photographs except the structures on Lot C-43 were no longer present after 2018. The Site appears to have been graded after 2019.	Adjacent and adjoining properties appear to have been graded. Blue Oaks Boulevard and Westbrook Boulevard, south and west of Lot C- 43 respectively, appear to have been paved. A solar array was added to the Roseville Energy Park.	

The aerial photographs show that the Site was dry-farmed from as early as 1937 until sometime prior to 1952. Lot C-43 was used as irrigated farmed-fields from as early as 1993 to sometime prior to 1998. As described in Section 3.8.2, we performed a Phase II ESA (Geocon, 2014) of an approximate 90-acre

portion of the Creekview Property, which included the Site, to assess shallow soil for the potential presence of OCPs and arsenic. DDT was only detected in one soil sample at a concentration significantly less than the RSL for residential soil and arsenic concentrations were within the range of naturally occurring background concentrations. These findings suggest that the past agricultural use of the Site observed on the aerial photographs is unlikely to have caused an REC on the Site.

5.2 Topographic Maps

EDR provided historical topographic maps for the years 1891, 1892, 1893, 1910, 1941, 1942, 1953, 1967, 1975, 1981, 1992, and 2012 (Appendix E). The following table summarizes our observations of the Site and adjoining and adjacent properties on the historical topographic maps.

Year	Observations		
1601	Site	Adjoining and Adjacent Properties	
1891, 1892, and 1893 (1:125,000)	No features or land uses are depicted on the Site.	No features or land uses are depicted on the adjoining and adjacent properties. Pleasant Grove Creek is depicted south of Lot C-40 and north of Lot C-43.	
1910 (1:31,680)	Conditions depicted are similar to those on the 1891, 1892, and 1893 maps.	An unimproved road is depicted south of Lot C-43.	
1941 and 1942 (1:62,500)	Conditions depicted are similar to those on the 1910 map.	Conditions depicted are similar to those on the 1910 map.	
1953 (1:24,000)	Conditions depicted are similar to those on the 1941 and 1942 maps.	Conditions depicted are similar to those on the 1941 and 1942 maps except a well is depicted west of the Site.	
1967 (1:24,000)	Conditions depicted are similar to those on the 1953 map.	Conditions depicted are similar to those on the 1953 photograph except the well is no longer depicted west of the Site.	
1975 (1:24,000)	The Site is in depicted on the 1975 map.	Adjoining and adjacent properties are not depicted on the 1975 map.	
1981 (1:24,000)	Conditions depicted are similar to those in the 1967 map except two structures are depicted in the eastern portion of Parcel C-43.	Conditions depicted are similar to those in the 1967 map except a pond is depicted southeast of Lot C-43 and structures are depicted northeast, southeast, south, and southwest of Lot C-43.	
1992 (1:24,000)	The Site is not depicted on the 1992 map.	Adjoining and adjacent properties are not depicted on the 1992 map.	
2012 (1:24,000)	Conditions depicted are similar to those in the 1981 map except no structures are depicted on this map.	Conditions depicted are similar to those in the 1981 map except structures are not depicted on this map.	

The topographic maps do not depict land uses or development that would suggest the use, storage, or disposal of hazardous substances and/or petroleum products on the Site or adjoining and adjacent properties.

Geocon Project No. S9578-05-37D

5.3 City Directories

EDR prepared an abstract of city directories including city, cross reference, and telephone directory listings (Appendix F) with information provided for approximate 5-year intervals, if available, from 1963 to 2017. The city directories do not identify any property owners or businesses for the Site. The nearest business listed on the city directories is greater than 2.9 miles from the Site and therefore is unlikely to have caused an REC at the Site.

6.0 SITE RECONNAISSANCE

This section summarizes our observations of the Site and surrounding properties made during the site reconnaissance.

6.1 Methodology and Limiting Conditions

Chris Bates, Senior Staff Scientist with Geocon, performed the site reconnaissance on December 22, 2022, by walking throughout the Site to observe site features and conditions. Mr. Bates performed the offsite survey by observing adjacent properties from the Site. Weather on the day of the site reconnaissance was overcast with temperatures in the low 40s°F. Photographs of various site features and offsite properties are appended.

6.2 Site Setting

The Site is situated in an area of similar graded land some of which is being developed with residential housing.

6.3 Onsite Survey

Lot C-40 is graded land with a construction staging area, in the central and southern portion (Photo 1). We observed stormwater piping, manhole covers, christie boxes, and other miscellaneous items in the southern portion of the Lot C-40 (Photo 2 and 3). Stockpiles of rock and dirt and mulch are in the southern and western portion of the Lot C-40 (Photos 4 and 5). Construction debris such as pallets, plywood, plastic wrap, piping, and other miscellaneous are in the central southern portion of Lot (Photo 6).

Lot C-43 is graded and vacant land (Photo 7). A materials and trash pile is present in the southern portion of the lot (Photo 8). Various utility boxes are present along the southern boundary of Lot C-43 including a water pipeline blow off valve, electrical, streetlight, and telecom utility boxes (Photos 9 through 10). Recycled water and water pipeline blowoff valves are present along the northwestern boundary of Lot C-43(Photo 11) and stormwater drains in the northwestern portion (Photo 12). A stormwater infiltration basin is present at the southwestern boundary of Lot C-43 (Photo 13). We found no evidence of the former water supply well on Lot C-43.

We did not observe evidence of RECs on the Site.

6.4 Offsite Survey

The adjoining and nearby properties around Lot C-40 consist of the following:

- South Pleasant Grove Creek, beyond which are open-space land and land under development for single-family residences (Photo 14)
- West Westbrook Boulevard beyond which is a soundwall and development of residential infrastructure (Photo 15)
- North Graded roadways beyond which is infrastructure development (Photo 16).
- East Graded roadways beyond which are graded lots for residential development and utilities (Photo 17)

The adjoining and nearby properties around Lot C-43 consist of the following:

- South Blue Oaks Boulevard and the Roseville Energy Park (Photo 18)
- East on the southern portion, a vacant lot and a well site (Photo 19); and in the northern portion, a recreational trail and Pleasant Grove Creek (Photo 20)
- North A walking trail beyond which are Pleasant Grove Creek and single-family residences (Photo 21)
- West Lower Bank Drive, with vacant land and single-family residences (Photo 22).

We did not observe evidence of RECs on the adjoining properties around Lots C-40 and C-43.

7.0 INTERVIEWS

Mr. Porter completed the Site owner/occupant questionnaire regarding his knowledge of the past and present use of the Site and the potential for impacts related to the use, storage, or disposal of hazardous substances and/or petroleum products on the Site. A copy of the Site owner/occupant questionnaire is in Appendix G.

Mr. Porter indicated that Anthem United Homes, Inc. has owned the Site since May 2019. He stated that the site lots have been graded and have no structures on them. Mr. Porter indicated that Lot C-40 is vacant and that a portion of it is being used by the grading contractor to temporarily store buildings materials and equipment.

He indicated that prior to grading, the Site was vacant and not used for any purpose. Mr. Porter indicated that the Site is intended for high-density residential development consistent with the Creekview Specific Plan.

Mr. Porter indicated that three prior environmental assessment reports were conducted on the Site, a Phase I ESA in May 2013 (Geocon, 2013), a Phase I ESA update and Limited Phase II ESA in December 2018 (Geocon, 2018). These reports are summarized in Section 3.8. Mr. Porter is not aware of any environmental issues related to the Site or the adjacent properties.

8.0 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I ESA update, in general conformance with the scope and limitations of ASTM *Designation E1527-21* of Lots C-40 and C-43 within the Creekview property in Roseville, California. Exceptions to, or deletions from, this practice are described in Section 1.4 of this report.

The Phase I ESA update has revealed no evidence of RECs in connection with the Site. No further environmental investigation of the Site appears to be warranted at this time.

9.0 **REFERENCES**

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- Bradford, G.R., A. C. Change, A. L. Page, D. Bakhtar, J. A. Frampton, and H. Wright, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science Division of Agriculture and Natural Resources, University of California, March 1996.
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- Geocon Consultants Inc., *Phase II Environmental Site Assessment, Creekview Development*, Geocon Project No. S9578-03-06, January 14, 2014.
- Geocon Consultants Inc., *Geotechnical Investigation, Creekview Residential Development*, Geocon Project No. S9578-05-05, August 25, 2014.
- Geocon Consultants Inc., Phase I Environmental Site Assessment Update and Limited Phase II Environmental Site Assessment, Creekview Property, Geocon Project No. S9578-05-10, December 14, 2018.
- Geocon Consultants Inc., *Phase I Environmental Site Assessment Update, Creekview Property*, Geocon Project No. S9578-05-26, September 21, 2020.
- Geocon Consultants Inc., *Phase I Environmental Site Assessment Update, Creekview Property*, Geocon Project No. S9578-05-37A, November 30, 2021.
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- United States Department of Agriculture, Natural Resources Conservation Service, http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx, accessed December 2022.
- United States Department of Transportation (USDOT). National Pipeline Mapping System < https://www.npms.phmsa.dot.gov/default.aspx>, accessed December 2022.
- United States Environmental Protection Agency (USEPA), Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1), May 2020.
- United States Geological Survey (USGS), *Pleasant Grove, California, 7.5-minute Topographic Quadrangle Map*, Scale 1:24,000; 2021.

10.0 QUALIFICATIONS

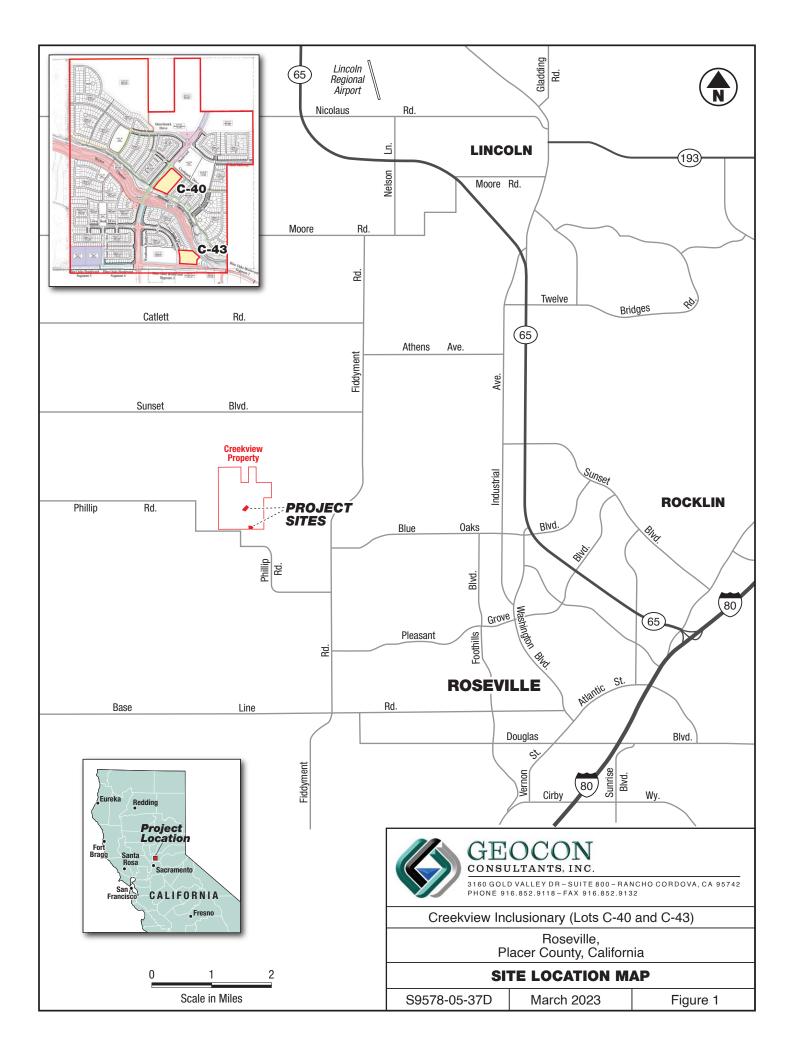
This Phase I ESA report was prepared by Chris Bates and Matthew Tidwell, PG. Mr. Bates is a Senior Staff Scientist with a Bachelor of Science degree in Geoscience and has worked on a variety of environmental assessment projects.

Mr. Tidwell has 13 years of experience performing Phase I and Phase II ESAs, subsurface drilling methods, soil and groundwater sampling, and groundwater monitoring well installations, development, and sampling. He is also responsible for preparation of reports, work plans, health and safety plans, quarterly groundwater monitoring reports, and site cleanup plans. Mr. Tidwell has performed Phase I and II ESAs on several commercial, industrial, agricultural, and residential properties throughout California.

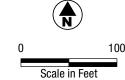
I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of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

awel

Matthew Tidwell, PG Project Geologist







SITE PLAN

S9578-05-37D

March 2023

Figure 2-1









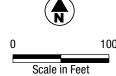




Photo No. 1 Construction staging area in central and southern portion of Lot C-40



Photo No. 2 Manhole covers and miscellaneous items in southern portion of Lot C-40

PHOTOS NO. 1 & 2 Creekview Inclusionary Phase I ESA Roseville, PHONE 916.852.9118 - FAX 916.852.9132 Creekview Inclusionary Phase I ESA Roseville, Placer County, California GEOCON Project No. S9578-07-37D March 2023



Photo No. 3 Christie boxes and miscellaneous items in the southern portion of Lot C-40



Photo No. 4 Stockpiles of rock and dirt in southwestern portion of Lot C-40

PHOTOS NO. 3 & 4 Creekview Inclusionary Phase I ESA Roseville, PHONE 916.852.9118 - FAX 916.852.9132 CONSULTANTS, INC. PHONE 916.852.9118 - FAX 916.852.9132



Photo No. 5 Stockpiles of mulch in western portion of Lot C-40



Photo No. 6 Pallets, plastic wrap, plywood, piping, and other miscellaneous construction debris in central portion of Lot C-40

PHOTOS NO. 5 & 6

	GEOCON	Creekview Inclusionary Phase I ESA	
	CONSULTANTS, INC.	Roseville,	
	3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742 PHONE 916.852.9118 - FAX 916.852.9132	Placer County, Calif	ornia
		GEOCON Project No. S9578-07-37D	March 2023



Photo No. 7 View west across Lot C-43 of graded vacant land



Photo No. 8 Small materials and trash pile in the southern portion of Lot C-43

PHOTOS NO. 7 & 8 CECCON Creekview Inclusionary Phase I ESA Roseville, PHONE 916.852.9118 - FAX 916.852.9132 GEOCON roject No. S9578-07-37D March 2023



Photo No. 9 Water pipeline blowoff valve in southeastern portion of Lot C-43



Photo No. 10 Electrical, streetlight, and telecom utility boxes in southern portion of Lot C-43

PHOTOS NO. 9 & 10 CONSULTANTS, INC. State GOLD VALLEY DR-SUITE 800-RANCHO CORDOVA, CA 95742 PHONE 916.852.9118 - FAX 916.852.9132 Creekview Inclusionary Phase I ESA Roseville, Placer County, California GEOCON Project No. S9578-07-37D March 2023



Photo No. 11 Water pipeline and recycled water blow off valves in northwestern portion of Lot C-43



Photo No. 12 Stormwater drain in northwestern boundary of Lot C-43

TS, INC

PHOTOS NO. 11 & 12



Creekview Inclusionary Phase I ESA

Roseville, Placer County, California GEOCON Project No. S9578-07-37D

March 2023



Photo No. 13 Small stormwater infiltration basin in southeastern portion of Lot C-43



Photo No. 14 View to the southeast of Lot C-40 of Pleasant Grove Creek beyond is vacant land and residential developments

PHOTOS NO. 13 & 14

	GEOCON	Creekview Inclusionary Phase I ESA	
	CONSULTANTS, INC.	Roseville,	
	3160 GOLD VALLEY DR – SUITE 800 – RANCHO CORDOVA, CA 95742	Placer County, Calif	ornia
		GEOCON Project No. S9578-07-37D	March 2023



Photo No. 15 View to the northeast of Lot C-40 of Westbrook Boulevard beyond which is a soundwall and development of residential infrastructure



Photo No. 16 View to the north of Lot C-40 of graded roadways beyond which is development of of residential infrastructure

PHOTOS NO. 15 & 16

	GEOCON	Creekview Inclusionary Phase I ESA	
	CONSULTANTS, INC.	Roseville,	
	3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742 PHONE 916.852.9118 - FAX 916.852.9132	Placer County, Calif	ornia
		GEOCON Project No. S9578-07-37D	March 2023



Photo No. 17 View to the east of Lot C-40 of graded roadway beyond which are graded lots and utilities



Photo No. 18 View to the south of Lot C-43 of Blue Oaks Boulevard, with Roseville Energy Park beyond

PHOTOS NO. 17 & 18

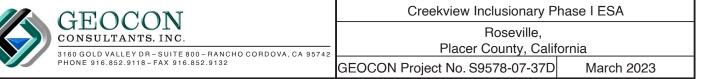




Photo No. 19 View to the east of Lot C-43, on the southern portion, of a vacant lot with a well site beyond



Photo No. 20 View to the east of Lot C-43, on the northern portion, a recreational trail with Pleasant Grove Creek beyond

PHOTOS NO. 19 & 20

	GEOCON	Creekview Inclusionary Phase I ESA	
	CONSULTANTS, INC.	Roseville,	
	3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742 . PHONE 916.852.9118 - FAX 916.852.9132	Placer County, Califo	ornia
		GEOCON Project No. S9578-07-37D	March 2023



Photo No. 21 View to the north of Lot C-43 of walking path and single-family residences



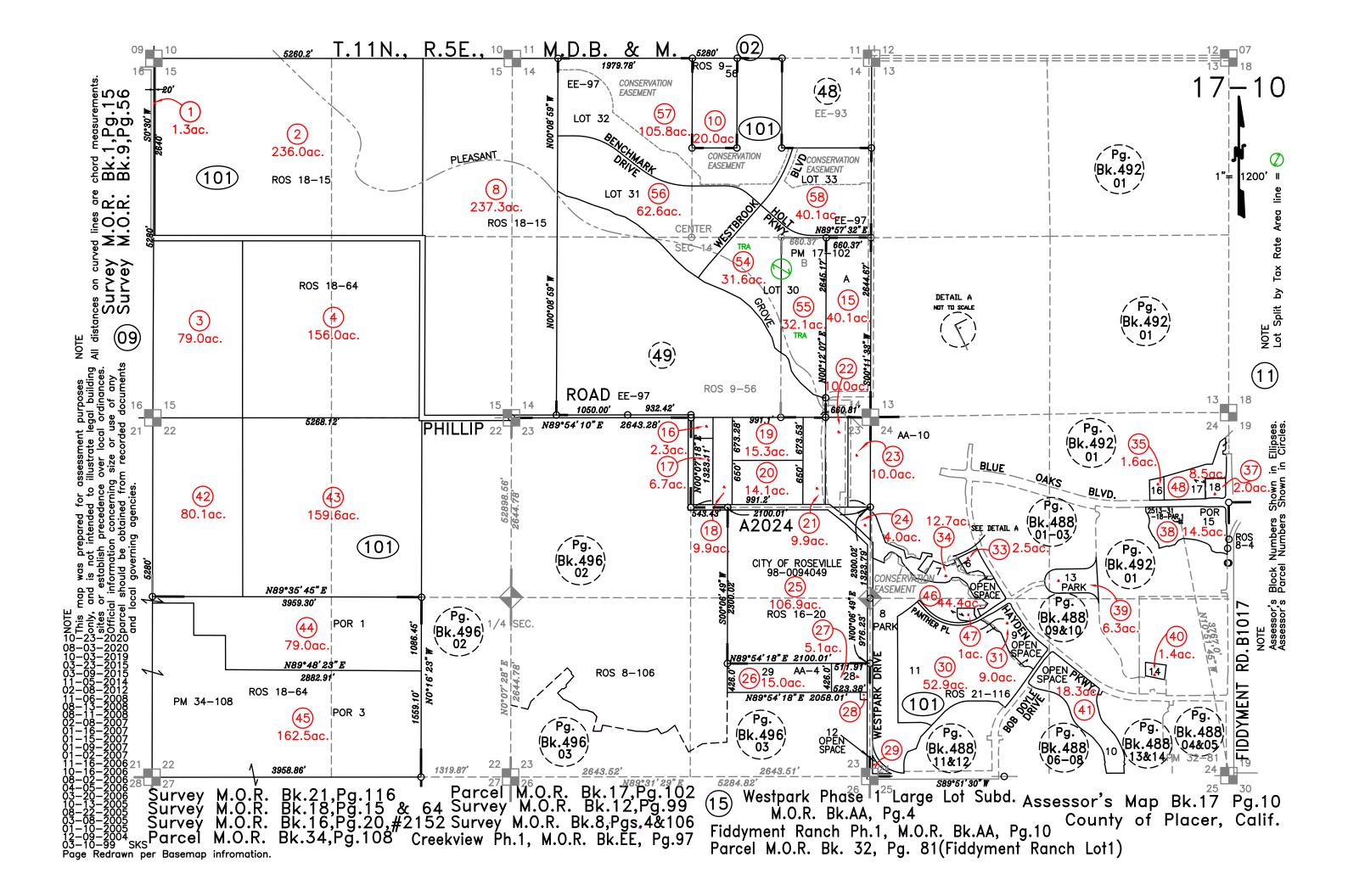
Photo No. 22 View to the west of Lot C-43 of Lower Bank Drive with vacant land and single-family residences beyond

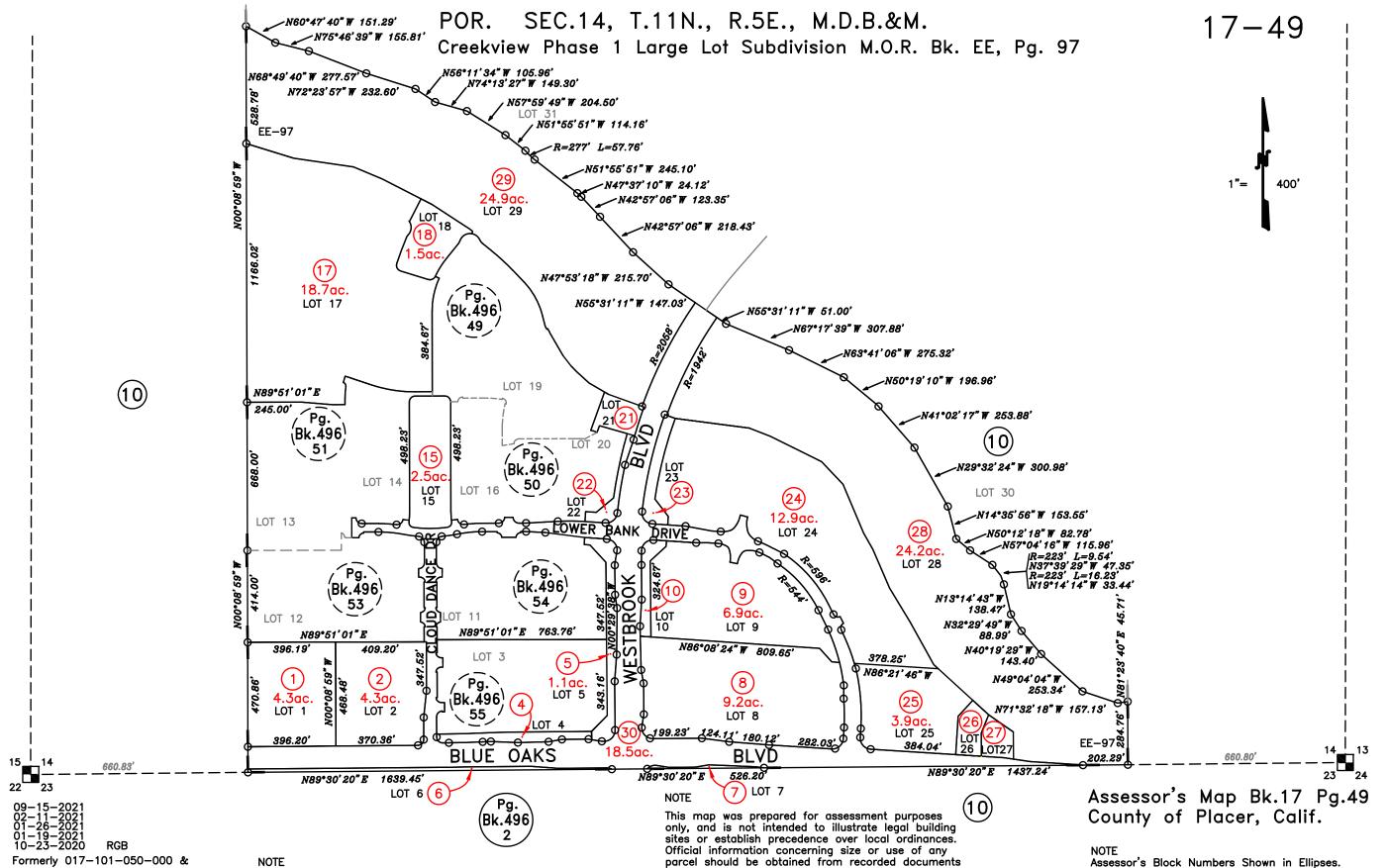
PHOTOS NO. 21 & 22

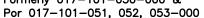
	GEOCON	Creekview Inclusionary Phase I ESA	
	CONSULTANTS, INC.	Roseville,	
	3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742 PHONE 916.852.9118 - FAX 916.852.9132	Placer County, Calif	ornia
		GEOCON Project No. S9578-07-37D	March 2023











All distances on curved lines are shown per recorded documentation and local governing agencies.

Assessor's Block Numbers Shown in Ellipses. Assessor's Parcel Numbers Shown in Circles.



User Questionnaire

- 1. What is the purpose of the Phase I Environmental Site Assessment? What is the planned use? Acquisition of properties for the construction of multifamily affordable housing apartment home communities.
- 2. Who is the property owner(s)? Anthem United
- 3. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?
- 4. Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place for the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?
- 5. Do you have any specialized knowledge related to the property or nearby properties? No specialized knowledge of the properties
- 6. Does the purchase price reasonably reflect the fair market value of the property? Yes
- 7. Do you know the past uses of the property? No
- What is the planned use of the property?
 Affordable Housing apartment homes; inclusionary housing for the specific plan area.
- Do you know of specific chemicals that are present or once were present at the property? No
- 10. Do you know of spills or other chemical releases that have taken place at the property? No
- 11. Do you know of any environmental cleanups that have taken place at the property? No
- 12. Do you know whether any helpful documents exist and, if so, whether copies can and will be provided for this assessment? These documents may include: Phase I or II Environmental Site Assessment reports, environmental compliance audit reports, environmental permits, registrations for underground or aboveground storage tanks, registrations for underground injection systems, or any other documents related to the property. Previous environmental reports for the specific plan area prepared by Geocon.

This questionnaire was completed by:

Name:	Hannah Tamari
Title:	Development Project Associate
Phone	
number:	916.724.3833
Date:	12/20/2022
Signature:	Hannah Tamari



Westbrook Blvd/Blue Oaks Blvd

Westbrook Blvd/Blue Oaks Blvd Roseville, CA 95747

Inquiry Number: 7212890.2s December 27, 2022

The EDR Radius Map[™] Report



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

FORM-LBF-KKT

TABLE OF CONTENTS

SECTION

PAGE

S1
8
R-1
8

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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TARGET PROPERTY INFORMATION

ADDRESS

WESTBROOK BLVD/BLUE OAKS BLVD ROSEVILLE, CA 95747

COORDINATES

Latitude (North):	38.7959940 - 38^ 47' 45.57"
Longitude (West):	121.3828490 - 121 22' 58.25"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	640440.8
UTM Y (Meters):	4295172.5
Elevation:	84 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: Version Date: 12021637 PLEASANT GROVE, CA 2018

East Map: Version Date: 12021643 ROSEVILLE, CA 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140713, 20140810
Source:	USDA

Target Property Address: WESTBROOK BLVD/BLUE OAKS BLVD ROSEVILLE, CA 95747

Click on Map ID to see full detail.

MAP				RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
1	W-70 ELEMENTARY SCHO	LOT 15 OF WESTPARK-P	ENVIROSTOR, SCH	Higher	3868, 0.733, SW
2	ROSEVILLE CITY SD -	PARCEL F-71 AT FIDDY	ENVIROSTOR, SCH	Higher	4003, 0.758, ENE
3	COMPREHENSIVE HIGH S	SOUTHWEST OF THE INT	ENVIROSTOR, SCH	Higher	5073, 0.961, SSE

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	

Lists of Federal Delisted NPL sites

Delisted NPL_____ National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY______ Federal Facility Site Information listing SEMS______ Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE_____ Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

LUCIS...... Land Use Control Information System

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

Federal ERNS list

ERNS_____ Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

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

Lists of state and tribal voluntary cleanup sites

VCP	Voluntary Cleanup Program Properties
	Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS_____ Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS_____ A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

CDL Toxic Pits	School Property Evaluation Program Clandestine Drug Labs Toxic Pits Cleanup Act Sites
CERS HAZ WASTE	

Local Lists of Registered Storage Tanks

SWEEPS UST	. SWEEPS UST Listing
HIST UST	Hazardous Substance Storage Container Database
	California Environmental Reporting System (CERS) Tanks
CA FID UST	

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
	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. DOD. SCRD DRYCLEANERS	RCRA - Non Generators / No Longer Regulated - Formerly Used Defense Sites - Department of Defense Sites State Coalition for Remediation of Drycleaners Listing Financial Assurance Information EPA WATCH LIST
	2020 Corrective Action Program List
	Toxic Substances Control Act
	Toxic Chemical Release Inventory System
	Section 7 Tracking Systems
ROD.	
RMP	
RAAIS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
	PCB Activity Database System
	Integrated Compliance Information System
	- 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
	Formerly Utilized Sites Remedial Action Program
UMTRA	
LEAD SMELTERS	
	Aerometric Information Retrieval System Facility Subsystem
US MINES	
ABANDONED MINES	
FINDS	Facility Index System/Facility Registry System
	Enforcement & Compliance History Information
UXO	
	Hazardous Waste Compliance Docket Listing
	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
	PFAS Manufacture and Imports Information
PEAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
	PFAS Contamination Site Location Listing
	Ambient Environmental Sampling for PFAS
	Clean Water Act Discharge Monitoring Information
	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
	Aqueous Foam Related Incidents Listing
	PFAS Contamination Site Location Listing
	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
	EnviroStor Permitted Facilities Listing
	Registered Hazardous Waste Transporter Database
HAZNET	
MINES	
CA PLACER CO. MS	
	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PESTLIC	Pesticide Regulation Licenses Listing
	Certified Processors Database
Notify 65	
UIC	
UIC GEO	
WASTEWATER PITS	Oil Wastowator Dits Listing
WDS	
	Waste Discharge System Well Investigation Program Case List
	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	
	Waste Discharge Requirements Listing
	California Integrated Water Quality System
CERS	UEKS

NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
	PROD WATER PONDS (GEOTRACKER)
	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
	Hazardous Waste Tracking System
MINES MRDS	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

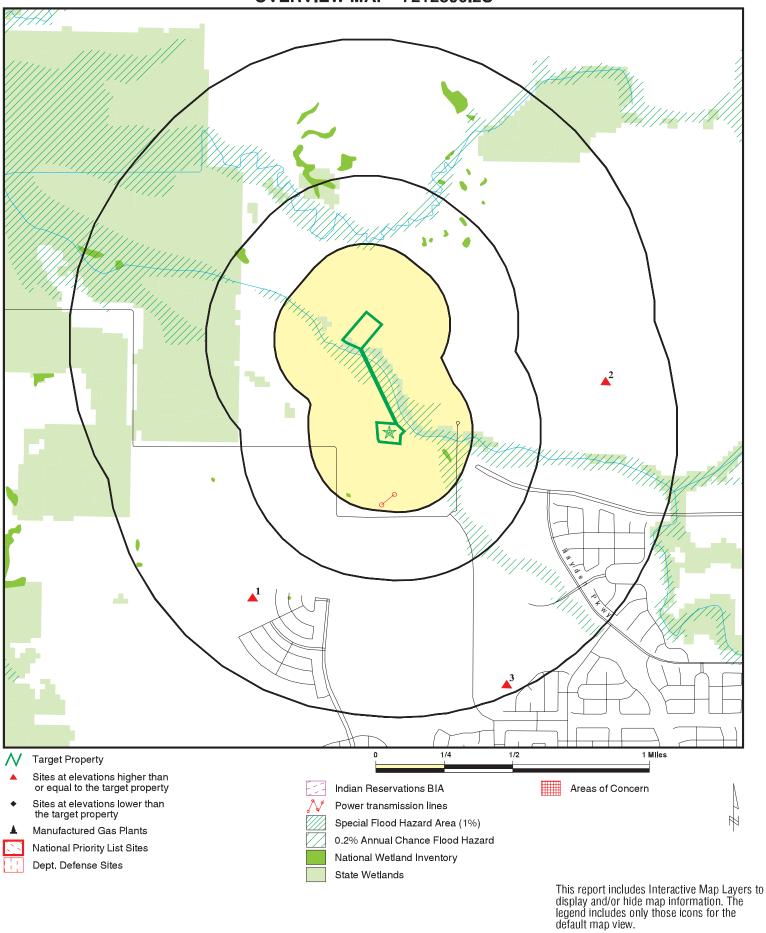
ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: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

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/25/2022 has revealed that there are

3 ENVIROSTOR sites within approximately 1 mile of the target property.

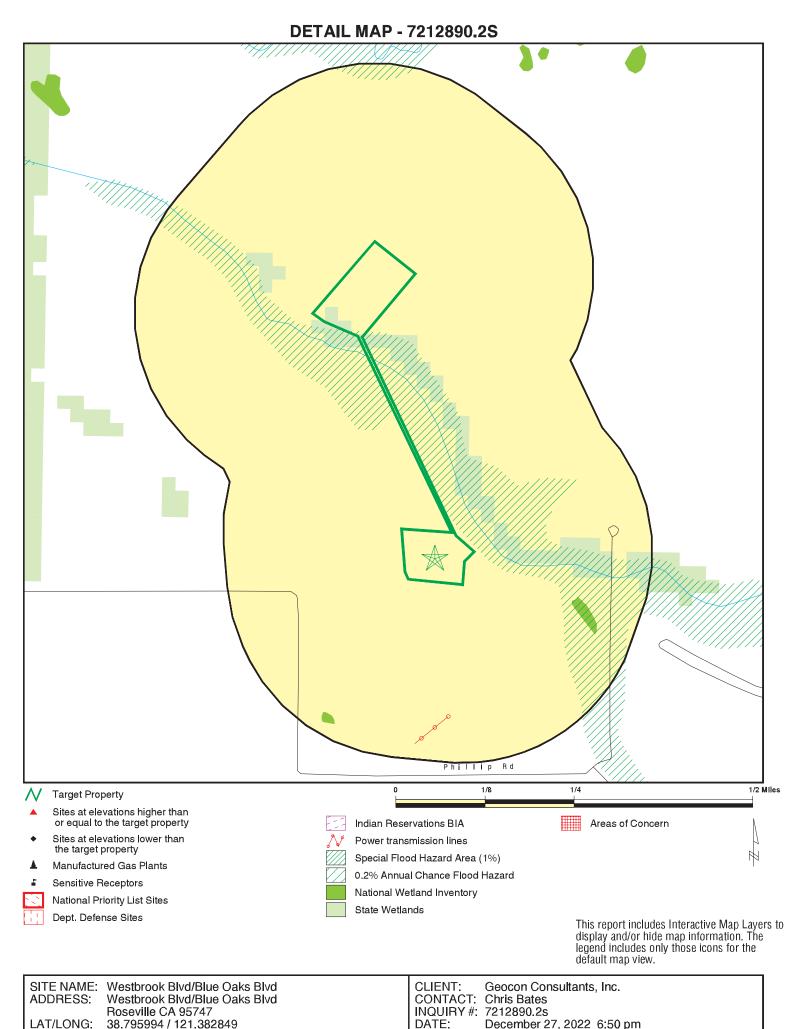
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<i>W-70 ELEMENTARY SCHO</i> Facility Id: 60002124 Status: No Action Required	LOT 15 OF WESTPARK-P	SW 1/2 - 1 (0.733 mi.)	1	9
ROSEVILLE CITY SD - Facility Id: 60002615 Status: No Action Required	PARCEL F-71 AT FIDDY	ENE 1/2 - 1 (0.758 mi.)	2	11
COMPREHENSIVE HIGH S Facility Id: 31020006 Status: No Action Required	SOUTHWEST OF THE INT	SSE 1/2 - 1 (0.961 mi.)	3	13

There were no unmapped sites in this report.



SITE NAME:Westbrook Blvd/Blue Oaks BlvdCLIENT:Geocon Consultants, Inc.ADDRESS:Westbrook Blvd/Blue Oaks Blvd
Roseville CA 95747CONTACT:Chris Bates
INQUIRY #:LAT/LONG:38.795994 / 121.382849DATE:December 27, 2022 6:49 pm

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-	December 27, 2022 6:50 pm	
	Copyright © 2022 EDR. Inc. © 2015 TomTom Rel. 2015.	

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Lists of Federal NPL (Su	ıperfund) site	S						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites su CERCLA removals and		ers						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCL	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA f undergoing Corrective								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA 1	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional cor engineering controls re								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste faciliti								
ENVIROSTOR	1.000		0	0	0	3	NR	3
Lists of state and tribal and solid waste disposa								
SWF/LF	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal	leaking stora	ge tanks						
LUST INDIAN LUST CPS-SLIC	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Lists of state and tribal	registered sto	orage tanks						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
Lists of state and tribal	voluntary clea	anup sites						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	brownfield si	tes						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	NTAL RECORD	s						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Waste Disposal Sites			0	0	0			0
WMUDS/SWAT SWRCY HAULERS INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.001 0.500 0.500 0.500 0.500		0 0 0 0 0 0	0 0 NR 0 0 0 0	0 0 NR 0 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0 0 0
Local Lists of Hazardou Contaminated Sites	is waste /							
US HIST CDL HIST Cal-Sites SCH CDL Toxic Pits CERS HAZ WASTE US CDL	0.001 1.000 0.250 0.001 1.000 0.250 0.001		0 0 0 0 0 0	NR 0 0 NR 0 0 NR	NR 0 NR 0 NR NR	NR 0 NR NR 0 NR NR	NR NR NR NR NR NR	0 0 0 0 0 0 0
Local Lists of Registere	ed Storage Ta	nks						
SWEEPS UST HIST UST CERS TANKS CA FID UST	0.250 0.250 0.250 0.250		0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

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

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	Ő	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	Ő	NR	NR	NR	õ
PFAS ECHO FIRE TRAINI			Ő	Ő	NR	NR	NR	0 0
PFAS PART 139 AIRPOR			Ő	Ő	NR	NR	NR	õ
AQUEOUS FOAM NRC	0.250		Ő	Ő	NR	NR	NR	õ
PFAS	0.250		Õ	Ő	NR	NR	NR	Õ
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	Ō
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANĔRS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
CA PLACER CO. MS	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS NON-CASE INFO	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
	0.001		0					0
PROD WATER PONDS	0.001		0	NR NR	NR NR	NR NR	NR NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto EDR Hist Cleaner	0.125 0.125		0 0	NR NR	NR NR	NR NR	NR NR	0 0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Go	vt. Archives							
RGA LF RGA LUST	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
- Totals		0	0	0	0	3	0	3

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

EDR ID Number Site Database(s) **EPA ID Number** 1 W-70 ELEMENTARY SCHOOL ENVIROSTOR S118757292 LOT 15 OF WESTPARK-PHASE 4 LARGE LOT SUBDIVISION SW SCH N/A **ROSEVILLE, CA 95747** 1/2-1 0.733 mi. 3868 ft. Relative: ENVIROSTOR: Higher W-70 ELEMENTARY SCHOOL Name: LOT 15 OF WESTPARK-PHASE 4 LARGE LOT SUBDIVISION Address: Actual: City,State,Zip: ROSEVILLE, CA 95747 100 ft. Facility ID: 60002124 Status: No Action Required Status Date: 12/24/2014 Site Code: 104735 Site Type: School Investigation Site Type Detailed: School Acres: 8.5 NPL: NO SMBRP **Regulatory Agencies:** SMBRP Lead Agency: Program Manager: Jose Salcedo Supervisor: Jose Salcedo **Division Branch:** Northern California Schools & Santa Susana Assembly: 06 04 Senate: Special Program: Not reported Restricted Use: NO NONE SPECIFIED Site Mgmt Req: Funding: School District Latitude: 38.7873 Longitude: -121.3921 APN: 496-020-024 NONE Past Use: Potential COC: NONE SPECIFIED No Contaminants found Confirmed COC: No Contaminants found Potential Description: NMA 496-020-024 Alias Name: APN Alias Type: Alias Name: 104735 Alias Type: Project Code (Site Code) Alias Name: 60002124 Alias Type: **Envirostor ID Number** Completed Info: Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Cost Recovery Closeout Memo Completed Date: 03/19/2015 Comments: Not reported Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Phase 1 Completed Date: 12/24/2014 Comments: Not reported Future Area Name: Not reported Future Sub Area Name: Not reported Future Document Type: Not reported Future Due Date: Not reported

Database(s)

EDR ID Number EPA ID Number

W-70 ELEMENTARY SCHOOL (Continued)

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

SCH:

Name: Address: City,State,Zip: Facility ID: Site Type:	W-70 ELEMENTARY SCHOOL LOT 15 OF WESTPARK-PHASE 4 LARGE LOT SUBDIVISION ROSEVILLE, CA 95747 60002124 School Investigation
Site Type Detail:	School NONE SPECIFIED
Site Mgmt. Req.: Acres:	8.5
National Priorities List:	NO
Cleanup Oversight Agencies:	
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jose Salcedo
Supervisor:	Jose Salcedo
Division Branch:	Northern California Schools & Santa Susana
Site Code:	104735
Assembly:	06
Senate:	04
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	12/24/2014
Restricted Use:	NO
Funding:	School District
Latitude:	38.7873
Longitude:	-121.3921
APN:	496-020-024
Past Use:	NONE
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	496-020-024
Alias Type:	APN
Alias Name:	104735
Alias Type:	Project Code (Site Code)
Alias Name:	60002124
Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/19/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	12/24/2014
Comments:	Not reported

Man ID		MAP FINDINGS		
Map ID Direction				
Distance	0			EDR ID Number
Elevation	Site		Database(s)	EPA ID Number
	W-70 ELEMENTARY SCHO	OL (Continued)		S118757292
	Future Area Name:	Not reported		
	Future Sub Area Name:	Not reported		
	Future Document Type:			
	Future Due Date: Schedule Area Name:	Not reported Not reported		
	Schedule Sub Area Nar	me: Not reported		
	Schedule Document Ty			
	Schedule Due Date: Schedule Revised Date	Not reported : Not reported		
		·		
2 ENE	ROSEVILLE CITY SD - F-71 PARCEL F-71 AT FIDDYME ROSEVILLE, CA 95747	PROPOSED NEW ELEMENTARY S NT RANCH	ENVIROSTOR SCH	S122221874 N/A
1/2-1 0.758 mi. 4003 ft.	RUSEVILLE, CA 95747			
Relative:	ENVIROSTOR:			
Higher	Name: Address:	ROSEVILLE CITY SD - F-71 PROPOSED NEW ELEMENTA PARCEL F-71 AT FIDDYMENT RANCH	ARY SCHOOL	
Actual: 113 ft.	City,State,Zip:	ROSEVILLE, CA 95747		
	Facility ID:	60002615		
	Status: Status Date:	No Action Required 03/15/2018		
	Site Code:	104776		
	Site Type:	School Investigation		
	Site Type Detailed: Acres:	School 10.7		
	NPL:	NO		
	Regulatory Agencies:	SMBRP		
	Lead Agency: Program Manager:	SMBRP Mellan Songco		
	Supervisor:	Jose Salcedo		
	Division Branch:	Northern California Schools & Santa Susana		
	Assembly: Senate:	, 06 , 04		
	Special Program:	Not reported		
	Restricted Use:	NO		
	Site Mgmt Req: Funding:	NONE SPECIFIED School District		
	Latitude:	38.79876		
	Longitude:	-121.3682		
	APN: Past Use:	492-010-057-000 NONE		
	Potential COC:	NONE SPECIFIED No Contaminants found		
	Confirmed COC:	No Contaminants found		
	Potential Description: Alias Name:	NMA Roseville City SD - F-71 Proposed New Elementary Scl	hool	
	Alias Type:	Alternate Name		
	Alias Name:	492-010-057-000		
	Alias Type: Alias Name:	APN 104776		
	Alias Type:	Project Code (Site Code)		
	Alias Name:	60002615 Enviroter ID Number		
	Alias Type:	Envirostor ID Number		
	Completed Info: Completed Area Name:	PROJECT WIDE		
	Completed Sub Area Na			

Map ID Direction Distance Elevation Site MAP FINDINGS

EDR ID Number Database(s) EPA ID Number

Completed Document Type:	Site Inspections/Visit (Non LUR)	
Completed Date:	03/14/2018	
Comments:	On March 14, 2018, DTSC conducted a site walkthrough with the District (Justin Barrett) and the developer (John Tallman). The site	
	is vacant undeveloped land covered in native grasses.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Phase 1	
Completed Date:	03/15/2018	
Comments:	Not reported	
Future Area Name:	Not reported	
Future Sub Area Name:	Not reported	
Future Document Type:	Not reported	
Future Due Date:	Not reported	
Schedule Area Name:	Not reported	
Schedule Sub Area Name:	Not reported	
Schedule Document Type:	Not reported	
Schedule Due Date:	Not reported	
Schedule Revised Date:	Not reported	
CH:		
Name:	ROSEVILLE CITY SD - F-71 PROPOSED NEW ELEMENTARY SCHOOL	
Address:	PARCEL F-71 AT FIDDYMENT RANCH	
City,State,Zip:	ROSEVILLE, CA 95747	
Facility ID:	60002615	
Site Type:	School Investigation	
Site Type Detail:	School	
Site Mgmt. Req.:	NONE SPECIFIED	
Acres:	10.7	
National Priorities List:	NO	
Cleanup Oversight Agencies:	SMBRP	
Lead Agency:	SMBRP	
Lead Agency Description:	DTSC - Site Cleanup Program	
Project Manager:	Mellan Songco	
Supervisor:	Jose Salcedo	
Division Branch:	Northern California Schools & Santa Susana	
Site Code:	104776	
Assembly:	, 06	
Senate:	, 04	
Special Program Status:	Not reported	
Status:	No Action Required	
Status Date:	03/15/2018	
Restricted Use:	NO	
Funding:	School District	
Latitude:	38.79876	
Longitude:	-121.3682	
APN:	492-010-057-000	
Past Use:	NONE	
Potential COC:	NONE SPECIFIED, No Contaminants found	
Confirmed COC:	No Contaminants found	
Potential Description:	NMA	
Alias Name:	Roseville City SD - F-71 Proposed New Elementary School	
Alias Type:	Alternate Name	
Alias Name:	492-010-057-000	

EDR ID Number Database(s) EPA ID Number

	ROSEVILLE CITY SD - F-71 PI	ROPOSED NEW ELEMENTARY SCHOOL (Continued)		S122221874
	Alias Type: Alias Name: Alias Type: Alias Name: Alias Type:	APN 104776 Project Code (Site Code) 60002615 Envirostor ID Number		
	Completed Info: Completed Area Name: Completed Sub Area Nam Completed Document Typ Completed Date: Comments:	•		
	Completed Area Name: Completed Sub Area Nam Completed Document Typ Completed Date: Comments:			
	Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Name Schedule Document Type Schedule Due Date: Schedule Revised Date:	•		
3 SSE 1/2-1 0.961 mi. 5073 ft.	COMPREHENSIVE HIGH SCH SOUTHWEST OF THE INTERS ROSEVILLE, CA 95747	OOL #6 SECTION OF HIGH SCHOOL ROAD AND HAYDEN	ENVIROSTOR SCH	S118756678 N/A
Relative: Higher Actual: 106 ft.	Address: City,State,Zip: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program:	COMPREHENSIVE HIGH SCHOOL #6 SOUTHWEST OF THE INTERSECTION OF HIGH SCHOO ROSEVILLE, CA 95747 31020006 No Action Required 10/12/2009 104343 School Investigation School 53 NO SMBRP SMBRP Mellan Songco Juan Koponen Northern California Schools & Santa Susana 06 04 Not reported NO	L ROAD AND HAY	'DEN PARKWAY

Database(s)

EDR ID Number EPA ID Number

COMPREHENSIVE HIGH SCHOOL #6 (Continued)

S118756678

Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	38.7827
Longitude:	-121.3749
APN:	017-101-030-000
Past Use:	AGRICULTURAL - LIVESTOCK
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found NMA
Potential Description: Alias Name:	ROSEVILLE JOINT UNION HSD
Alias Type:	Alternate Name
Alias Name:	ROSEVILLE JT UHSD-W. ROSEVILLE HS NO. 6
Alias Type:	Alternate Name
Alias Name:	WEST ROSEVILLE HIGH SCHOOL NO. 6
Alias Type:	Alternate Name
Alias Name:	017-101-030-000
Alias Type:	APN
Alias Name:	104343
Alias Type:	Project Code (Site Code)
Alias Name:	31020006
Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name:	PROJECT WIDE
Completed Sub Area Nar	me: Not reported
Completed Document Ty	pe: Site Inspections/Visit (Non LUR)
Completed Date:	09/22/2009
Comments:	Requested additional information from the District's consultant.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Nar	
Completed Document Ty	pe: Cost Recovery Closeout Memo
Completed Date:	10/22/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Nar	ne: Not reported
Completed Document Ty	pe: CEQA - Initial Study/ Environmental Impact Report
Completed Date:	01/05/2011
Comments:	DTSC has reviewed the draft EIR for the Westpark Area H.S. project
Completed Area Name:	PROJECT WIDE
Completed Sub Area Nar	ne: Not reported
Completed Document Ty	pe: Phase 1
Completed Date:	06/09/2003
Comments:	Phase 1 - Pursuant to an agreement between the Department of Toxic
	Substances Control (DTSC) and the California Department of Education,
	DTSC's Site Mitigation Program completed a review of a Phase 1
	Environmental Assessment and has made a "No Action" determination for this Site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Nar	
Completed Document Ty	
Completed Date:	10/12/2009
Comments:	DTSC approved the Phase I with a no action determination
Completed Area Name:	PROJECT WIDE

Database(s)

EDR ID Number EPA ID Number

COMPREHENSIVE HIGH SCHOOL #6 (Continued)

Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	07/10/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	06/06/2003
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported

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

SCH:

Name: Address:	COMPREHENSIVE HIGH SCHOOL #6 SOUTHWEST OF THE INTERSECTION OF HIGH SCHOOL ROAD AND HAYDEN PARKWAY
City,State,Zip:	ROSEVILLE, CA 95747
Facility ID:	31020006
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	53
National Priorities List:	NO
Cleanup Oversight Agencies:	
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Mellan Songco
Supervisor:	Juan Koponen
Division Branch:	Northern California Schools & Santa Susana
Site Code:	104343
Assembly:	06
Senate:	04
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	10/12/2009
Restricted Use:	NO
Funding:	School District
Latitude:	38.7827
Longitude:	-121.3749
APN:	017-101-030-000
Past Use:	AGRICULTURAL - LIVESTOCK
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	ROSEVILLE JOINT UNION HSD
Alias Type:	Alternate Name
Alias Name:	ROSEVILLE JT UHSD-W. ROSEVILLE HS NO. 6
Alias Type:	Alternate Name

Database(s)

EDR ID Number EPA ID Number

COMPREHENSIVE HIGH SCHOOL #6 (Continued) S118756678 WEST ROSEVILLE HIGH SCHOOL NO. 6 Alias Name: Alias Type: Alternate Name Alias Name: 017-101-030-000 APN Alias Type: Alias Name: 104343 Project Code (Site Code) Alias Type: Alias Name: 31020006 Alias Type: Envirostor ID Number Completed Info: Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Site Inspections/Visit (Non LUR) Completed Date: 09/22/2009 Comments: Requested additional information from the District's consultant. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Cost Recovery Closeout Memo Completed Date: 10/22/2009 Comments: Not reported PROJECT WIDE Completed Area Name: Completed Sub Area Name: Not reported Completed Document Type: CEQA - Initial Study/ Environmental Impact Report Completed Date: 01/05/2011 Comments: DTSC has reviewed the draft EIR for the Westpark Area H.S. project Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Phase 1 Completed Date: 06/09/2003 Comments: Phase 1 - Pursuant to an agreement between the Department of Toxic Substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase 1 Environmental Assessment and has made a "No Action" determination for this Site. Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Phase 1 Completed Date: 10/12/2009 Comments: DTSC approved the Phase I with a no action determination Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Cost Recovery Closeout Memo Completed Date: 07/10/2003 Comments: Not reported Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Site Inspections/Visit (Non LUR) Completed Date: 06/06/2003 Comments: Not reported Future Area Name: Not reported Future Sub Area Name: Not reported

TC7212890.2s Page 16

Database(s)

EDR ID Number EPA ID Number

COMPREHENSIVE HIGH SCHOOL #6 (Continued)

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

S118756678

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
	_				

NO SITES FOUND

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: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022 Number of Days to Update: 14 Source: EPA Telephone: N/A Last EDR Contact: 12/01/2022 Next Scheduled EDR Contact: 01/09/2023 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

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: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022 Number of Days to Update: 14 Source: EPA Telephone: N/A Last EDR Contact: 12/01/2022 Next Scheduled EDR Contact: 01/09/2023 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022 Number of Days to Update: 14 Source: EPA Telephone: N/A Last EDR Contact: 12/01/2022 Next Scheduled EDR Contact: 01/09/2023 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 08/25/2022	Source: Env
Date Data Arrived at EDR: 09/06/2022	Telephone:
Date Made Active in Reports: 12/05/2022	Last EDR Co
Number of Days to Update: 90	Next Schedu
	Data Dalaga

Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 12/21/2022 Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022 Number of Days to Update: 14 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 12/01/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022 Number of Days to Update: 14 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 12/01/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/21/2022	Source: EPA
Date Data Arrived at EDR: 11/21/2022	Telephone: 800-424-9346
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 12/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022 Number of Days to Update: 14 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022 Number of Days to Update: 14 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022 Number of Days to Update: 14 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

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

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022 Number of Days to Update: 14 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 08/16/2022Source: DepartmentDate Data Arrived at EDR: 08/22/2022Telephone: 843-82Date Made Active in Reports: 10/24/2022Last EDR Contact:Number of Days to Update: 63Next Scheduled EDData Release FrequenciesData Release Frequencies

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/01/2022 Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 08/15/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/17/2022	Telephone: 703-603-0695
Date Made Active in Reports: 10/24/2022	Last EDR Contact: 11/16/2022
Number of Days to Update: 68	Next Scheduled EDR Contact: 03/06/2023
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 08/15/2022 Date Data Arrived at EDR: 08/17/2022 Date Made Active in Reports: 10/24/2022 Number of Days to Update: 68

Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 11/16/2022 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/12/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 12/19/2022 Number of Days to Update: 5 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 12/14/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

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

Date of Government Version: 07/25/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/25/2022	Telephone: 916-323-3400
Date Made Active in Reports: 10/05/2022	Last EDR Contact: 10/24/2022
Number of Days to Update: 72	Next Scheduled EDR Contact: 02/06/2023
	Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 07/25/2022 Date Data Arrived at EDR: 07/25/2022 Date Made Active in Reports: 10/05/2022 Number of Days to Update: 72 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 10/24/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 08/08/2022 Date Data Arrived at EDR: 08/08/2022 Date Made Active in Reports: 10/20/2022 Number of Days to Update: 73 Source: Department of Resources Recycling and Recovery Telephone: 916-341-6320 Last EDR Contact: 11/03/2022 Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 9: Leaking Underground Storage Tank Report Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.			
Date of Government Version: 03/01/2001 Date Data Arrived at EDR: 04/23/2001 Date Made Active in Reports: 05/21/2001 Number of Days to Update: 28	Source: California Regional Water Quality Control Board San Diego Region (9) Telephone: 858-637-5595 Last EDR Contact: 09/26/2011 Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: No Update Planned		
	EOTRACKER) ites included in GeoTracker. GeoTracker is the Water Boards data management itial to impact, water quality in California, with emphasis on groundwater.		
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: see region list Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly		
LUST REG 6L: Leaking Underground Storage Tanl For more current information, please refer to the	k Case Listing he State Water Resources Control Board's LUST database.		
Date of Government Version: 09/09/2003 Date Data Arrived at EDR: 09/10/2003 Date Made Active in Reports: 10/07/2003 Number of Days to Update: 27	Source: California Regional Water Quality Control Board Lahontan Region (6) Telephone: 530-542-5572 Last EDR Contact: 09/12/2011 Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned		
LUST REG 8: Leaking Underground Storage Tanks California Regional Water Quality Control Boa to the State Water Resources Control Board's	rd Santa Ana Region (8). For more current information, please refer		
Date of Government Version: 02/14/2005 Date Data Arrived at EDR: 02/15/2005 Date Made Active in Reports: 03/28/2005 Number of Days to Update: 41	Source: California Regional Water Quality Control Board Santa Ana Region (8) Telephone: 909-782-4496 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned		
LUST REG 7: Leaking Underground Storage Tank Leaking Underground Storage Tank locations.	Case Listing . Imperial, Riverside, San Diego, Santa Barbara counties.		
Date of Government Version: 02/26/2004 Date Data Arrived at EDR: 02/26/2004 Date Made Active in Reports: 03/24/2004 Number of Days to Update: 27	Source: California Regional Water Quality Control Board Colorado River Basin Region (7) Telephone: 760-776-8943 Last EDR Contact: 08/01/2011 Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned		
LUST REG 5: Leaking Underground Storage Tank Database Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.			
Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 07/22/2008 Date Made Active in Reports: 07/31/2008 Number of Days to Update: 9	Source: California Regional Water Quality Control Board Central Valley Region (5) Telephone: 916-464-4834 Last EDR Contact: 07/01/2011 Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: No Update Planned		

LUST REG 4: Underground Storage Tank Leak List Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.			
Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004 Number of Days to Update: 35	Source: California Regional Water Quality Control Board Los Angeles Region (4) Telephone: 213-576-6710 Last EDR Contact: 09/06/2011 Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned		
LUST REG 3: Leaking Underground Storage Tank Leaking Underground Storage Tank locations.	Database . Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.		
Date of Government Version: 05/19/2003 Date Data Arrived at EDR: 05/19/2003 Date Made Active in Reports: 06/02/2003 Number of Days to Update: 14	Source: California Regional Water Quality Control Board Central Coast Region (3) Telephone: 805-542-4786 Last EDR Contact: 07/18/2011 Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: No Update Planned		
LUST REG 2: Fuel Leak List Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.			
Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004 Number of Days to Update: 30	Source: California Regional Water Quality Control Board San Francisco Bay Region (2) Telephone: 510-622-2433 Last EDR Contact: 09/19/2011 Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: No Update Planned		
LUST REG 1: Active Toxic Site Investigation Del Norte, Humboldt, Lake, Mendocino, Modo please refer to the State Water Resources Co	c, Siskiyou, Sonoma, Trinity counties. For more current information, ntrol 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 Tan Leaking Underground Storage Tank locations.	k Case Listing . 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		
INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.			
Date of Government Version: 06/02/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/31/2022 Number of Days to Update: 79	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies		

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

Date of Government Ve Date Data Arrived at El Date Made Active in Re Number of Days to Upo	DR: 06/13/2022 eports: 08/16/2022	Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies
INDIAN LUST R6: Leaking l LUSTs on Indian land i	Jnderground Storage Ta n New Mexico and Okla	
Date of Government Ve Date Data Arrived at El Date Made Active in Re Number of Days to Upo	DR: 06/13/2022 eports: 08/16/2022	Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies
INDIAN LUST R10: Leaking LUSTs on Indian land i	Underground Storage - n Alaska, Idaho, Oregoi	
Date of Government Ve Date Data Arrived at El Date Made Active in Re Number of Days to Upo	DR: 06/13/2022 eports: 08/16/2022	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies
INDIAN LUST R8: Leaking U LUSTs on Indian land i		anks on Indian Land Iorth Dakota, South Dakota, Utah and Wyoming.
Date of Government Ve Date Data Arrived at El Date Made Active in Re Number of Days to Upo	DR: 06/13/2022 eports: 08/16/2022	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies
INDIAN LUST R1: Leaking U A listing of leaking under		anks on Indian Land ocations on Indian Land.
Date of Government Ve Date Data Arrived at El Date Made Active in Re Number of Days to Upo	DR: 06/11/2021 eports: 09/07/2021	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies
INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada		
Date of Government Ve Date Data Arrived at El Date Made Active in Re Number of Days to Upo	DR: 06/13/2022 eports: 08/16/2022	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies
INDIAN LUST R7: Leaking U LUSTs on Indian land i	Jnderground Storage Tanna Storage Tanger Tanger International States and New Stat	
Date of Government Ve Date Data Arrived at El Date Made Active in Re Number of Days to Upo	DR: 06/13/2022 eports: 08/16/2022	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

Data Release Frequency: Varies

TC7212890.2s Page GR-8

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.

	siles that impact, of have the potential to impa	ici, water quality in California, with emphasis on groundwater.
	Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies
	SLIC REG 1: Active Toxic Site Investigations The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	eanup) program is designed to protect and restore water quality
	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 The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	o Cost Recovery Listing eanup) program is designed to protect and restore water quality
	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 The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	o Cost Recovery Listing eanup) program is designed to protect and restore water quality
	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 The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	o Cost Recovery Listing eanup) program is designed to protect and restore water quality
	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 & Clear The SLIC (Spills, Leaks, Investigations and C from spills, leaks, and similar discharges.	nup Cost Recovery Listing Cleanup) program is designed to protect and restore water quality
Date of Government Version: 05/24/2005 Date Data Arrived at EDR: 05/25/2005 Date Made Active in Reports: 06/16/2005 Number of Days to Update: 22	Source: Regional Water Quality Control Board, Victorville Branch Telephone: 619-241-6583 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned
SLIC REG 6L: SLIC Sites The SLIC (Spills, Leaks, Investigations and C from spills, leaks, and similar discharges.	Cleanup) program is designed to protect and restore water quality
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 C from spills, leaks, and similar discharges.	Cleanup) program is designed to protect and restore water quality
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 & Clean The SLIC (Spills, Leaks, Investigations and C from spills, leaks, and similar discharges.	up Cost Recovery Listing Cleanup) program is designed to protect and restore water quality
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 & Cleanu The SLIC (Spills, Leaks, Investigations and C from spills, leaks, and similar discharges.	up Cost Recovery Listing Cleanup) program is designed to protect and restore water quality
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 tank	3
FEMA UST: Underground Storage Tank Listing A listing of all FEMA owned underground sto	rage tanks.

Date of Government Version: 10/14/2021	Source: FEMA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-646-5797
Date Made Active in Reports: 02/01/2022	Last EDR Contact: 09/27/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

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: 08/24/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/21/2022 Number of Days to Update: 82 Source: State Water Resources Control Board Telephone: 916-327-7844 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 08/31/2022	Source: SWRCB
Date Data Arrived at EDR: 08/31/2022	Telephone: 916-341-5851
Date Made Active in Reports: 11/28/2022	Last EDR Contact: 12/02/2022
Number of Days to Update: 89	Next Scheduled EDR Contact: 03/20/2023
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78 Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	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: 12/06/2022
Number of Days to Update: 69	Next Scheduled EDR Contact: 03/27/2023
	Data Release Frequency: Varies
	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: 06/02/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/31/2022 Number of Days to Update: 79 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022	Sourc
Date Data Arrived at EDR: 06/13/2022	Telep
Date Made Active in Reports: 08/16/2022	Last E
Number of Days to Update: 64	Next \$

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2022	Source: EPA Region 8
Date Data Arrived at EDR: 06/13/2022	Telephone: 303-312-6137
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022 Number of Days to Update: 64 Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/07/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022 Number of Days to Update: 64 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022 Number of Days to Update: 64

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/11/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022 Number of Days to Update: 64 Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

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: 07/25/2022SourceDate Data Arrived at EDR: 07/25/2022TelepDate Made Active in Reports: 10/05/2022Last ENumber of Days to Update: 72Next S

Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 10/24/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008 Number of Days to Update: 27 Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021 Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

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: 12/13/2022
Number of Days to Update: 142	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/19/2022 Date Data Arrived at EDR: 09/19/2022 Date Made Active in Reports: 12/07/2022 Number of Days to Update: 79 Source: State Water Resources Control Board Telephone: 916-323-7905 Last EDR Contact: 12/14/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community 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 Date Data Arrived at EDR: 03/10/2022 Date Made Active in Reports: 03/10/2022 Number of Days to Update: 0 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 12/07/2022 Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000 Date Data Arrived at EDR: 04/10/2000 Date Made Active in Reports: 05/10/2000 Number of Days to Update: 30	Source: State Water Resources Control Board Telephone: 916-227-4448 Last EDR Contact: 10/20/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: No Update Planned
SWRCY: Recycler Database A listing of recycling facilities in California.	
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/18/2022 Number of Days to Update: 79	Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly
HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.	
Date of Government Version: 08/12/2022 Date Data Arrived at EDR: 08/16/2022 Date Made Active in Reports: 08/26/2022 Number of Days to Update: 10	Source: Integrated Waste Management Board Telephone: 916-341-6422 Last EDR Contact: 11/15/2022 Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Varies
INDIAN ODI: Report on the Status of Open Dumps Location of open dumps on Indian land.	on Indian Lands
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: 10/20/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies
DEBRIS REGION 9: Torres Martinez Reservation I A listing of illegal dump sites location on the T County and northern Imperial County, Californ	orres Martinez Indian Reservation located in eastern Riverside
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: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: No Update Planned
ODI: Open Dump Inventory An open dump is defined as a disposal facility Subtitle D Criteria.	that does not comply with one or more of the Part 257 or Part 258
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

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 Source: Department of Health & Human Serivces, Indian Health Service Date Data Arrived at EDR: 08/06/2014 Telephone: 301-443-1452 Date Made Active in Reports: 01/29/2015 Last EDR Contact: 10/28/2022 Next Scheduled EDR Contact: 02/06/2023 Number of Days to Update: 176 Data Release Frequency: Varies Local Lists of Hazardous waste / Contaminated Sites US HIST CDL: National Clandestine Laboratory Register A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register. Date of Government Version: 07/29/2022 Source: Drug Enforcement Administration Date Data Arrived at EDR: 08/18/2022 Telephone: 202-307-1000 Last EDR Contact: 11/16/2022 Date Made Active in Reports: 10/24/2022 Number of Days to Update: 67 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: No Update Planned HIST CAL-SITES: Calsites Database The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR. Date of Government Version: 08/08/2005 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: 07/25/2022 Source: Department of Toxic Substances Control Date Data Arrived at EDR: 07/25/2022 Telephone: 916-323-3400 Last EDR Contact: 10/24/2022 Date Made Active in Reports: 10/05/2022 Number of Days to Update: 72 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly CDL: Clandestine Drug Labs A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work. Date of Government Version: 12/31/2019 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: 11/23/2022 Number of Days to Update: 78 Next Scheduled EDR Contact: 02/13/2023 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.

Date of Government Version: 07/18/2022	Source: CalEPA
Date Data Arrived at EDR: 07/18/2022	Telephone: 916-323-2514
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 74	Next Scheduled EDR Contact: 01/30/2023
	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: 07/29/2022 Date Data Arrived at EDR: 08/18/2022 Date Made Active in Reports: 10/24/2022 Number of Days to Update: 67 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 11/16/2022 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing Aboveground storage tank sites

Date of Government Version: 08/04/2022	
Date Data Arrived at EDR: 08/04/2022	
Date Made Active in Reports: 10/20/2022	
Number of Days to Update: 77	

Source: San Francisco County Department of Public Health Telephone: 415-252-3896 Last EDR Contact: 10/26/2022 Next Scheduled EDR Contact: 02/16/2023 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: 07/18/2022	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/18/2022	Telephone: 916-323-2514
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 74	Next Scheduled EDR Contact: 01/30/2023
	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: 08/23/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/24/2022	Telephone: 916-323-3400
Date Made Active in Reports: 11/14/2022	Last EDR Contact: 12/19/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/13/2023
	Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022 Number of Days to Update: 14

Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 12/01/2022 Next Scheduled EDR Contact: 01/09/2023 Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/25/2022 Date Data Arrived at EDR: 08/25/2022 Date Made Active in Reports: 11/14/2022 Number of Days to Update: 81

Source: DTSC and SWRCB Telephone: 916-323-3400 Last EDR Contact: 11/29/2022 Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reportin	ng System
	. HMIRS contains hazardous material spill incidents reported to DOT.
Date of Government Version: 09/19/2022 Date Data Arrived at EDR: 09/19/2022 Date Made Active in Reports: 09/30/2022 Number of Days to Update: 11	Source: U.S. Department of Transportation Telephone: 202-366-4555 Last EDR Contact: 12/14/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly
CHMIRS: California Hazardous Material Incident I California Hazardous Material Incident Repo incidents (accidental releases or spills).	Report System rting System. CHMIRS contains information on reported hazardous material
Date of Government Version: 06/30/2022 Date Data Arrived at EDR: 07/18/2022 Date Made Active in Reports: 09/30/2022 Number of Days to Update: 74	Source: Office of Emergency Services Telephone: 916-845-8400 Last EDR Contact: 10/17/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Semi-Annually
	t) coTracker. GeoTracker is the Water Boards data management system impact, water quality in California, with emphasis on groundwater.
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Qualilty Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly
known as DoD non UST]) included in GeoTra	ER) s; Military Privatized sites; and Military Cleanup sites [formerly acker. GeoTracker is the Water Boards data management system for sites vater quality in California, with emphasis on groundwater.
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly
	ords available exclusively from FirstSearch databases. Typically, ous substance spills recorded after 1990. Duplicate records that are a records are not included in Spills 90.
Date of Government Version: 06/06/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013	Source: FirstSearch Telephone: N/A Last EDR Contact: 01/03/2013

Other Ascertainable Records

Number of Days to Update: 50

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.

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022 Number of Days to Update: 14 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/11/2022	Source: U.
Date Data Arrived at EDR: 08/11/2022	Telephone:
Date Made Active in Reports: 09/30/2022	Last EDR C
Number of Days to Update: 50	Next Sched

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 11/10/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021 Date Data Arrived at EDR: 07/13/2021 Date Made Active in Reports: 03/09/2022 Number of Days to Update: 239 Source: USGS Telephone: 888-275-8747 Last EDR Contact: 10/13/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019 Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/03/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 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: 11/03/2022 Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/19/2022 Date Data Arrived at EDR: 09/20/2022 Date Made Active in Reports: 12/22/2022 Number of Days to Update: 93 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 12/14/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 10/28/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/16/2023
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 73

Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 10/28/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016 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: 12/12/2022 Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 08/14/2020	Telephone: 202-566-0250
Date Made Active in Reports: 11/04/2020	Last EDR Contact: 11/01/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 02/27/2023
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/18/2022	Source: EPA
Date Data Arrived at EDR: 07/18/2022	Telephone: 202-564-4203
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 10/18/2022
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/27/2022	So
Date Data Arrived at EDR: 11/01/2022	Tel
Date Made Active in Reports: 11/15/2022	Las
Number of Days to Update: 14	Ne

ource: EPA elephone: 703-416-0223 ast EDR Contact: 12/01/2022 ext Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022 Date Data Arrived at EDR: 05/04/2022 Date Made Active in Reports: 05/10/2022 Number of Days to Update: 6

Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 10/27/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35

Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: 202-564-6023
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 12/01/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/16/2023
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 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: 10/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	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: 09/27/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	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: 10/26/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 12/05/2022 Number of Days to Update: 13 Source: Nuclear Regulatory Commission Telephone: 301-415-7169 Last EDR Contact: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020	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: 11/29/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/13/2023
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	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: 11/23/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/13/2023
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency Telephone: 202-566-0517 Last EDR Contact: 11/03/2022 Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019 Number of Days to Update: 84 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 12/20/2022 Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2007 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40

Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2008 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020SoDate Data Arrived at EDR: 01/28/2020ToDate Made Active in Reports: 04/17/2020LaNumber of Days to Update: 80N

Source: Department of Transporation, Office of Pipeline Safety Telephone: 202-366-4595 Last EDR Contact: 10/24/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2022 Date Data Arrived at EDR: 07/21/2022 Date Made Active in Reports: 09/30/2022 Number of Days to Update: 71 Source: Department of Justice, Consent Decree Library Telephone: Varies Last EDR Contact: 09/27/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019 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: 12/21/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017 Number of Days to Update: 546 Source: USGS Telephone: 202-208-3710 Last EDR Contact: 10/06/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 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: 10/27/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 11/09/2022
Number of Days to Update: 74	Next Scheduled EDR Contact: 02/27/2023
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 12/01/2022 Next Scheduled EDR Contact: 01/09/2023 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36 Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

	Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US /	AIRS MINOR: Air Facility System Data A listing of minor source facilities.	
	Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US MINES: Mines Master Index File Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.		
	Date of Government Version: 08/03/2022 Date Data Arrived at EDR: 08/17/2022 Date Made Active in Reports: 08/31/2022 Number of Days to Update: 14	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 11/17/2022 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/29/2022	Source: DOL, Mine Safety & Health Admi
Date Data Arrived at EDR: 11/30/2022	Telephone: 202-693-9424
Date Made Active in Reports: 12/22/2022	Last EDR Contact: 11/28/2022
Number of Days to Update: 22	Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020	Source: USGS
Date Data Arrived at EDR: 05/27/2020	Telephone: 703-648-7709
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 11/21/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 03/06/2023
	Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97 Source: USGS Telephone: 703-648-7709 Last EDR Contact: 11/21/2022 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 09/13/2022 Date Data Arrived at EDR: 09/14/2022 Date Made Active in Reports: 12/05/2022 Number of Days to Update: 82 Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 12/13/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/03/2022 Date Data Arrived at EDR: 08/25/2022 Date Made Active in Reports: 10/24/2022 Number of Days to Update: 60 Source: EPA Telephone: (415) 947-8000 Last EDR Contact: 11/29/2022 Next Scheduled EDR Contact: 03/13/2023 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: 10/05/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021 Number of Days to Update: 82 Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 11/15/2022 Next Scheduled EDR Contact: 03/06/2023 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: 09/25/2022 Date Data Arrived at EDR: 09/30/2022 Date Made Active in Reports: 12/22/2022 Number of Days to Update: 83 Source: Environmental Protection Agency Telephone: 202-564-2280 Last EDR Contact: 09/30/2022 Next Scheduled EDR Contact: 01/16/2023 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: 08/11/2022 Date Data Arrived at EDR: 08/11/2022 Date Made Active in Reports: 09/30/2022 Number of Days to Update: 50 Source: EPA Telephone: 800-385-6164 Last EDR Contact: 11/10/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022 Date Data Arrived at EDR: 07/08/2022 Date Made Active in Reports: 11/08/2022 Number of Days to Update: 123 Source: Environmental Protection Agency Telephone: 703-603-8895 Last EDR Contact: 10/04/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022SouDate Data Arrived at EDR: 03/31/2022TeleDate Made Active in Reports: 11/08/2022LastNumber of Days to Update: 222Nex

Source: Environmental Protection Agency Telephone: 202-272-0167 Last EDR Contact: 10/06/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/04/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022	Source: Environmenta
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/
Number of Days to Update: 222	Next Scheduled EDR

Source: Environmental Protection Agency Telephone: 202-272-0167 Last EDR Contact: 10/06/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022 Number of Days to Update: 601 Source: Department of Health & Human Services Telephone: 202-741-5770 Last EDR Contact: 10/28/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022 Number of Days to Update: 222 Source: Environmental Protection Agency Telephone: 202-272-0167 Last EDR Contact: 10/06/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/26/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/26/2022
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 08/31/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/31/2022	Telephone: 866-480-1028
Date Made Active in Reports: 10/31/2022	Last EDR Contact: 12/02/2022
Number of Days to Update: 61	Next Scheduled EDR Contact: 03/20/2023
	Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/06/2022	Telephone: 916-341-5455
Date Made Active in Reports: 10/26/2022	Last EDR Contact: 10/09/2022
Number of Days to Update: 50	Next Scheduled EDR Contact: 03/20/2023
	Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	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: 09/19/2022 Date Data Arrived at EDR: 09/19/2022 Date Made Active in Reports: 12/07/2022 Number of Days to Update: 79	Source: CAL EPA/Office of Emergency Information Telephone: 916-323-3400 Last EDR Contact: 12/14/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly	
CUPA LIVERMORE-PLEASANTON: CUPA Facility list of facilities associated with the various CUF	-	
Date of Government Version: 12/07/2021 Date Data Arrived at EDR: 05/09/2022 Date Made Active in Reports: 05/17/2022 Number of Days to Update: 8	Source: Livermore-Pleasanton Fire Department Telephone: 925-454-2361 Last EDR Contact: 11/10/2022 Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Varies	
DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing A listing of dry cleaners in the Antelope Valley Air Quality Management District.		
Date of Government Version: 05/25/2022 Date Data Arrived at EDR: 05/26/2022 Date Made Active in Reports: 08/11/2022 Number of Days to Update: 77	Source: Antelope Valley Air Quality Management District Telephone: 661-723-8070 Last EDR Contact: 11/14/2022 Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Varies	
power laundries, family and commercial; garme	PA ID numbers. These are facilities with certain SIC codes: ent pressing and cleaner's agents; linen supply; coin-operated laundries carpet and upholster cleaning; industrial launderers; laundry and	
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: 11/07/2022 Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Annually	
DRYCLEAN SOUTH COAST: South Coast Air Qual A listing of dry cleaners in the South Coast Air		
Date of Government Version: 08/18/2022 Date Data Arrived at EDR: 08/29/2022 Date Made Active in Reports: 11/14/2022 Number of Days to Update: 77	Source: South Coast Air Quality Management District Telephone: 909-396-3211 Last EDR Contact: 11/15/2022 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies	
EMI: Emissions Inventory Data Toxics and criteria pollutant emissions data col	llected by the ARB and local air pollution agencies.	
Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/30/2022 Number of Days to Update: 78	Source: California Air Resources Board Telephone: 916-322-2990 Last EDR Contact: 12/15/2022 Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Varies	

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/12/2022 Date Data Arrived at EDR: 07/18/2022 Date Made Active in Reports: 09/29/2022 Number of Days to Update: 73 Source: State Water Resoruces Control Board Telephone: 916-445-9379 Last EDR Contact: 10/19/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing Financial Assurance information

Date of Government Version: 07/06/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/21/2022	Telephone: 916-255-3628
Date Made Active in Reports: 10/03/2022	Last EDR Contact: 10/11/2022
Number of Days to Update: 74	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08	3/09/2022 Source:	California Integrated Waste Management Board
Date Data Arrived at EDR: 08/10	0/2022 Telepho	ne: 916-341-6066
Date Made Active in Reports: 08	3/30/2022 Last ED	R Contact: 11/15/2022
Number of Days to Update: 20	Next Scl	neduled EDR Contact: 02/20/2023
	Data Re	lease Frequency: Varies

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/11/2022	Source
Date Data Arrived at EDR: 08/11/2022	Telepho
Date Made Active in Reports: 10/28/2022	Last ED
Number of Days to Update: 78	Next So

Source: Department of Toxic Subsances Control Telephone: 877-786-9427 Last EDR Contact: 11/10/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001 Date Data Arrived at EDR: 01/22/2009 Date Made Active in Reports: 04/08/2009 Number of Days to Update: 76 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 01/22/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/11/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/11/2022	Telephone: 916-323-3400
Date Made Active in Reports: 10/28/2022	Last EDR Contact: 11/10/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/27/2023
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/03/2022 Date Data Arrived at EDR: 10/03/2022 Date Made Active in Reports: 12/15/2022 Number of Days to Update: 73 Source: Department of Toxic Substances Control Telephone: 916-440-7145 Last EDR Contact: 10/03/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2022	Telephone: 916-255-1136
Date Made Active in Reports: 09/19/2022	Last EDR Contact: 09/27/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 08/31/2022	Source: Department of Conservation
Date Data Arrived at EDR: 08/31/2022	Telephone: 916-322-1080
Date Made Active in Reports: 11/18/2022	Last EDR Contact: 12/02/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 03/20/2023
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/08/2022	Source: Department of Public Health
Date Data Arrived at EDR: 08/25/2022	Telephone: 916-558-1784
Date Made Active in Reports: 11/14/2022	Last EDR Contact: 11/29/2022
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/13/2023
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/08/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/08/2022	Telephone: 916-445-9379
Date Made Active in Reports: 10/20/2022	Last EDR Contact: 11/03/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/20/2023
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Department of Pesticide Regulation Telephone: 916-445-4038 Last EDR Contact: 11/29/2022 Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

PROC: Certified Processors Database A listing of certified processors.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/18/2022 Number of Days to Update: 79

Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/07/2022 Date Data Arrived at EDR: 09/08/2022 Date Made Active in Reports: 11/29/2022 Number of Days to Update: 82 Source: State Water Resources Control Board Telephone: 916-445-3846 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 03/27/2023 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: 08/31/2022	Source: Deaprtment of Conservation
Date Data Arrived at EDR: 08/31/2022	Telephone: 916-445-2408
Date Made Active in Reports: 11/18/2022	Last EDR Contact: 12/02/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 03/20/2023
· ·	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER) Underground control injection sites

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78 Source: State Water Resource Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021 Date Data Arrived at EDR: 07/01/2021 Date Made Active in Reports: 09/29/2021 Number of Days to Update: 90 Source: RWQCB, Central Valley Region Telephone: 559-445-5577 Last EDR Contact: 10/06/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 11/08/2022
Number of Days to Update: 9	Next Scheduled EDR Contact: 02/27/2023
	Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009 Date Data Arrived at EDR: 07/21/2009 Date Made Active in Reports: 08/03/2009 Number of Days to Update: 13	Source: Los Angeles Water Quality Control Board Telephone: 213-576-6726 Last EDR Contact: 12/13/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: No Update Planned	
MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER) Military privatized sites		
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies	
PROJECT: Project Sites (GEOTRACKER) Projects sites		
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023	

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.

Data Release Frequency: Varies

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/18/2022 Number of Days to Update: 79

Source: State Water Resources Control Board Telephone: 916-341-5810 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/16/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/17/2022	Telephone: 866-794-4977
Date Made Active in Reports: 08/18/2022	Last EDR Contact: 11/29/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 03/13/2023
	Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/18/2022 Date Data Arrived at EDR: 07/18/2022 Date Made Active in Reports: 09/30/2022 Number of Days to Update: 74

Source: California Environmental Protection Agency Telephone: 916-323-2514 Last EDR Contact: 10/17/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER) Non-Case Information sites		
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies	
OTHER OIL GAS: Other Oil & Gas Projects Sites (Other Oil & Gas Projects sites	GEOTRACKER)	
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies	
PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER) Produced water ponds sites		
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies	
SAMPLING POINT: Sampling Point ? Public Sites Sampling point - public sites	(GEOTRACKER)	
Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies	
WELL STIM PROJ: Well Stimulation Project (GEOTRACKER) Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundarie 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: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022 Number of Days to Update: 78	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies	
	ng System that stores ID number information since the early 1980s and s both manifest copies from the generator and destination facility.	
Date of Government Version: 04/05/2022 Date Data Arrived at EDR: 04/05/2022 Date Made Active in Reports: 04/26/2022 Number of Days to Update: 21	Source: Department of Toxic Substances Control Telephone: 916-324-2444 Last EDR Contact: 10/03/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies	
PCS ENF: Enforcement data No description is available for this data		

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

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: EPA Telephone: 202-564-2497 Last EDR Contact: 09/28/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

Source: USGS Telephone: 703-648-6533 Last EDR Contact: 11/22/2022 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/29/2011 Number of Days to Update: 55 Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 09/28/2022 Next Scheduled EDR Contact: 01/16/2023 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: 09/28/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196 Source: Department of Resources Recycling and Recovery Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/30/2013 Number of Days to Update: 182 Source: State Water Resources Control Board Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019 Date Data Arrived at EDR: 01/11/2019 Date Made Active in Reports: 03/05/2019 Number of Days to Update: 53 Source: Alameda County Environmental Health Services Telephone: 510-567-6700 Last EDR Contact: 09/27/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 09/28/2022 Date Data Arrived at EDR: 09/29/2022 Date Made Active in Reports: 12/14/2022 Number of Days to Update: 76 Source: Alameda County Environmental Health Services Telephone: 510-567-6700 Last EDR Contact: 09/27/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List Cupa Facility List

> Date of Government Version: 07/22/2022 Date Data Arrived at EDR: 07/27/2022 Date Made Active in Reports: 08/01/2022 Number of Days to Update: 5

Source: Amador County Environmental Health Telephone: 209-223-6439 Last EDR Contact: 10/26/2022 Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Varies

Source: Public Health Department

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: No Update Planned

Telephone: 530-538-7149

Last EDR Contact: 09/27/2022

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

> Date of Government Version: 04/21/2017 Date Data Arrived at EDR: 04/25/2017 Date Made Active in Reports: 08/09/2017 Number of Days to Update: 106

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

> Date of Government Version: 12/13/2022 Date Data Arrived at EDR: 12/15/2022 Date Made Active in Reports: 12/21/2022 Number of Days to Update: 6

Source: Calveras County Environmental Health Telephone: 209-754-6399 Last EDR Contact: 12/13/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

> Date of Government Version: 04/06/2020 Date Data Arrived at EDR: 04/23/2020 Date Made Active in Reports: 07/10/2020 Number of Days to Update: 78

Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 10/26/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/20/2022 Date Data Arrived at EDR: 07/20/2022 Date Made Active in Reports: 10/03/2022 Number of Days to Update: 75 Source: Contra Costa Health Services Department Telephone: 925-646-2286 Last EDR Contact: 10/20/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

> Date of Government Version: 05/04/2022 Date Data Arrived at EDR: 05/06/2022 Date Made Active in Reports: 07/28/2022 Number of Days to Update: 83

Source: Del Norte County Environmental Health Division Telephone: 707-465-0426 Last EDR Contact: 10/20/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 08/08/2022 Date Data Arrived at EDR: 08/09/2022 Date Made Active in Reports: 09/01/2022 Number of Days to Update: 23 Source: El Dorado County Environmental Management Department Telephone: 530-621-6623 Last EDR Contact: 10/20/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021 Date Data Arrived at EDR: 12/21/2021 Date Made Active in Reports: 03/03/2022 Number of Days to Update: 72 Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 09/30/2022 Next Scheduled EDR Contact: 01/09/2023 Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018 Date Data Arrived at EDR: 01/24/2018 Date Made Active in Reports: 03/14/2018 Number of Days to Update: 49 Source: Glenn County Air Pollution Control District Telephone: 830-934-6500 Last EDR Contact: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/12/2021 Date Data Arrived at EDR: 08/12/2021 Date Made Active in Reports: 11/08/2021 Number of Days to Update: 88 Source: Humboldt County Environmental Health Telephone: N/A Last EDR Contact: 11/08/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

> Date of Government Version: 07/13/2022 Date Data Arrived at EDR: 07/14/2022 Date Made Active in Reports: 09/29/2022 Number of Days to Update: 77

Source: San Diego Border Field Office Telephone: 760-339-2777 Last EDR Contact: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

> Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/03/2018 Date Made Active in Reports: 06/14/2018 Number of Days to Update: 72

Source: Inyo County Environmental Health Services Telephone: 760-878-0238 Last EDR Contact: 11/08/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/03/2022 Date Data Arrived at EDR: 10/05/2022 Date Made Active in Reports: 12/16/2022 Number of Days to Update: 72 Source: Kern County Public Health Telephone: 661-321-3000 Last EDR Contact: 10/05/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2022 Date Data Arrived at EDR: 10/05/2022 Date Made Active in Reports: 12/16/2022 Number of Days to Update: 72 Source: Kern County Environment Health Services Department Telephone: 661-862-8700 Last EDR Contact: 10/05/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020 Date Data Arrived at EDR: 01/26/2021 Date Made Active in Reports: 04/14/2021 Number of Days to Update: 78 Source: Kings County Department of Public Health Telephone: 559-584-1411 Last EDR Contact: 11/08/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

> Date of Government Version: 07/22/2022 Date Data Arrived at EDR: 07/25/2022 Date Made Active in Reports: 10/05/2022 Number of Days to Update: 72

Source: Lake County Environmental Health Telephone: 707-263-1164 Last EDR Contact: 10/04/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

> Date of Government Version: 07/31/2020 Date Data Arrived at EDR: 08/21/2020 Date Made Active in Reports: 11/09/2020 Number of Days to Update: 80

Source: Lassen County Environmental Health Telephone: 530-251-8528 Last EDR Contact: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 10/23/2009 Number of Days to Update: 206 Source: N/A Telephone: N/A Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/03/2022 Date Data Arrived at EDR: 10/04/2022 Date Made Active in Reports: 12/15/2022 Number of Days to Update: 72

Telephone: 626-458-3517 Last EDR Contact: 09/27/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Semi-Annually

Source: Department of Public Works

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

> Date of Government Version: 10/07/2022 Date Data Arrived at EDR: 10/07/2022 Date Made Active in Reports: 12/21/2022 Number of Days to Update: 75

Source: La County Department of Public Works Telephone: 818-458-5185 Last EDR Contact: 10/07/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills Landfills owned and maintained by the City of Los Angeles.		
Date of Government Version: 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: 10/04/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Varies	
LOS ANGELES AST: Active & Inactive AST Inventory A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.		
Date of Government Version: 06/01/2019 Date Data Arrived at EDR: 06/25/2019 Date Made Active in Reports: 08/22/2019 Number of Days to Update: 58	Source: Los Angeles Fire Department Telephone: 213-978-3800 Last EDR Contact: 12/13/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Varies	
LOS ANGELES CO LF METHANE: Methane Producing Landfills This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degrad refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health		
Date of Government Version: 01/10/2022 Date Data Arrived at EDR: 01/12/2022 Date Made Active in Reports: 04/04/2022 Number of Days to Update: 82	Source: Los Angeles County Department of Public Works Telephone: 626-458-6973 Last EDR Contact: 10/04/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: No Update Planned	
LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.		
Date of Government Version: 08/30/2022 Date Data Arrived at EDR: 09/20/2022 Date Made Active in Reports: 12/07/2022 Number of Days to Update: 78	Source: Los Angeles Fire Department Telephone: 213-978-3800 Last EDR Contact: 12/14/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Varies	
LOS ANGELES UST: Active & Inactive UST Inventory A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.		
Date of Government Version: 08/30/2022 Date Data Arrived at EDR: 09/20/2022 Date Made Active in Reports: 12/08/2022 Number of Days to Update: 79	Source: Los Angeles Fire Department Telephone: 213-978-3800 Last EDR Contact: 12/14/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Varies	
SITE MIT LOS ANGELES: Site Mitigation List Industrial sites that have had some sort of spil	l or complaint.	
Date of Government Version: 05/26/2021 Date Data Arrived at EDR: 07/09/2021 Date Made Active in Reports: 09/29/2021 Number of Days to Update: 82	Source: Community Health Services Telephone: 323-890-7806 Last EDR Contact: 10/20/2022 Next Scheduled EDR Contact: 01/30/2023	

Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017 Date Data Arrived at EDR: 04/19/2017 Date Made Active in Reports: 05/10/2017 Number of Days to Update: 21 Source: City of El Segundo Fire Department Telephone: 310-524-2236 Last EDR Contact: 10/04/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	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: 10/11/2022
Number of Days to Update: 65	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/22/2022	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/19/2022	Telephone: 310-618-2973
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 10/11/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020 Date Data Arrived at EDR: 08/12/2020 Date Made Active in Reports: 10/23/2020 Number of Days to Update: 72 Source: Madera County Environmental Health Telephone: 559-675-7823 Last EDR Contact: 11/08/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites Currently permitted USTs in Marin County.

> Date of Government Version: 09/26/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/02/2018 Number of Days to Update: 29

Source: Public Works Department Waste Management Telephone: 415-473-6647 Last EDR Contact: 12/19/2022 Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021 Date Data Arrived at EDR: 11/18/2021 Date Made Active in Reports: 11/22/2021 Number of Days to Update: 4 Source: Department of Public Health Telephone: 707-463-4466 Last EDR Contact: 11/15/2022 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List CUPA facility list.

> Date of Government Version: 02/15/2022 Date Data Arrived at EDR: 02/17/2022 Date Made Active in Reports: 05/11/2022 Number of Days to Update: 83

Source: Merced County Environmental Health Telephone: 209-381-1094 Last EDR Contact: 11/08/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List CUPA Facility List

> Date of Government Version: 02/22/2021 Date Data Arrived at EDR: 03/02/2021 Date Made Active in Reports: 05/19/2021 Number of Days to Update: 78

Source: Mono County Health Department Telephone: 760-932-5580 Last EDR Contact: 11/15/2022 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021 Date Data Arrived at EDR: 10/06/2021 Date Made Active in Reports: 12/29/2021 Number of Days to Update: 84 Source: Monterey County Health Department Telephone: 831-796-1297 Last EDR Contact: 12/19/2022 Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/11/2017	Telephone: 707-253-4269
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 11/15/2022
Number of Days to Update: 50	Next Scheduled EDR Contact: 03/06/2023
	Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 09/09/2019	Telephone: 707-253-4269
Date Made Active in Reports: 10/31/2019	Last EDR Contact: 11/15/2022
Number of Days to Update: 52	Next Scheduled EDR Contact: 03/06/2023
	Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.		
Date of Government Version: 07/21/2022 Date Data Arrived at EDR: 07/25/2022 Date Made Active in Reports: 07/28/2022 Number of Days to Update: 3	Source: Community Development Agency Telephone: 530-265-1467 Last EDR Contact: 10/20/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies	
ORANGE COUNTY:		
IND_SITE ORANGE: List of Industrial Site Cleanup Petroleum and non-petroleum spills.	S	
Date of Government Version: 05/24/2022 Date Data Arrived at EDR: 08/09/2022 Date Made Active in Reports: 10/28/2022 Number of Days to Update: 80	Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 11/03/2022 Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Annually	
LUST ORANGE: List of Underground Storage Tank Orange County Underground Storage Tank Cl	•	
Date of Government Version: 04/08/2022 Date Data Arrived at EDR: 05/18/2022 Date Made Active in Reports: 08/03/2022 Number of Days to Update: 77	Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 11/03/2022 Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Quarterly	
UST ORANGE: List of Underground Storage Tank Orange County Underground Storage Tank Fa		
Date of Government Version: 05/24/2022 Date Data Arrived at EDR: 08/01/2022 Date Made Active in Reports: 10/20/2022 Number of Days to Update: 80	Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 11/03/2022 Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Quarterly	
PLACER COUNTY:		
MS PLACER: Master List of Facilities List includes aboveground tanks, underground	I tanks and cleanup sites.	
Date of Government Version: 08/26/2022 Date Data Arrived at EDR: 08/29/2022 Date Made Active in Reports: 11/15/2022 Number of Days to Update: 78	Source: Placer County Health and Human Services Telephone: 530-745-2363 Last EDR Contact: 11/22/2022 Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Semi-Annually	
PLUMAS COUNTY:		
CUPA PLUMAS: CUPA Facility List Plumas County CUPA Program facilities.		
Date of Government Version: 03/31/2019 Date Data Arrived at EDR: 04/23/2019 Date Made Active in Reports: 06/26/2019 Number of Days to Update: 64	Source: Plumas County Environmental Health Telephone: 530-283-6355 Last EDR Contact: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies	

RIVERSIDE COUNTY:

	LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites Riverside County Underground Storage Tank Cleanup Sites (LUST).		
	Date of Government Version: 09/22/2022 Date Data Arrived at EDR: 09/26/2022 Date Made Active in Reports: 12/09/2022 Number of Days to Update: 74	Source: Department of Environmental Health Telephone: 951-358-5055 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Quarterly	
UST RIVERSIDE: Underground Storage Tank Tank List Underground storage tank sites located in Riverside county.			
	Date of Government Version: 09/22/2022 Date Data Arrived at EDR: 09/26/2022 Date Made Active in Reports: 12/09/2022 Number of Days to Update: 74	Source: Department of Environmental Health Telephone: 951-358-5055 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Quarterly	
	SACRAMENTO COUNTY:		
CS SACRAMENTO: Toxic Site Clean-Up List List of sites where unauthorized releases of potentially hazardous materials have occurred.		otentially 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: 12/21/2022 Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Quarterly	
ML SACRAMENTO: Master Hazardous Materials Facility List Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.			
	Date of Government Version: 05/04/2022 Date Data Arrived at EDR: 06/30/2022 Date Made Active in Reports: 07/05/2022 Number of Days to Update: 5	Source: Sacramento County Environmental Management Telephone: 916-875-8406 Last EDR Contact: 12/09/2022 Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Quarterly	
	SAN BENITO COUNTY:		
	CUPA SAN BENITO: CUPA Facility List Cupa facility list		
	Date of Government Version: 07/27/2022	Source: San Benito County Environmental Health	

Date of Government Version: 07/27/2022 Date Data Arrived at EDR: 07/27/2022 Date Made Active in Reports: 10/11/2022 Number of Days to Update: 76 Source: San Benito County Environmental Health Telephone: N/A Last EDR Contact: 10/26/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/22/2022 Date Data Arrived at EDR: 08/23/2022 Date Made Active in Reports: 11/11/2022 Number of Days to Update: 80 Source: San Bernardino County Fire Department Hazardous Materials Division Telephone: 909-387-3041 Last EDR Contact: 10/28/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/25/2022	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 08/25/2022	Telephone: 619-338-2268
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 11/29/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/13/2023
	Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities San Diego County Solid Waste Facilities.

> Date of Government Version: 10/27/2021 Date Data Arrived at EDR: 03/04/2022 Date Made Active in Reports: 05/31/2022 Number of Days to Update: 88

Source: Department of Health Services Telephone: 619-338-2209 Last EDR Contact: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021 Date Data Arrived at EDR: 10/19/2021 Date Made Active in Reports: 01/13/2022 Number of Days to Update: 86 Source: Department of Environmental Health Telephone: 858-505-6874 Last EDR Contact: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010 Date Data Arrived at EDR: 06/15/2010 Date Made Active in Reports: 07/09/2010 Number of Days to Update: 24 Source: San Diego County Department of Environmental Health Telephone: 619-338-2371 Last EDR Contact: 11/22/2022 Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing Cupa facilities

Date of Government Version: 08/04/2022 Date Data Arrived at EDR: 08/04/2022 Date Made Active in Reports: 10/20/2022 Number of Days to Update: 77 Source: San Francisco County Department of Environmental Health Telephone: 415-252-3896 Last EDR Contact: 10/26/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 10/26/2022
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/16/2023
	Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/04/2022Source: Department of Public HealthDate Data Arrived at EDR: 08/04/2022Telephone: 415-252-3920Date Made Active in Reports: 10/20/2022Last EDR Contact: 10/26/2022Number of Days to Update: 77Next Scheduled EDR Contact: 02/13/2023Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 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: 10/07/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018 Date Data Arrived at EDR: 06/26/2018 Date Made Active in Reports: 07/11/2018 Number of Days to Update: 15 Source: Environmental Health Department Telephone: N/A Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

> Date of Government Version: 08/10/2022 Date Data Arrived at EDR: 08/11/2022 Date Made Active in Reports: 10/28/2022 Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department Telephone: 805-781-5596 Last EDR Contact: 11/08/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020 Date Data Arrived at EDR: 02/20/2020 Date Made Active in Reports: 04/24/2020 Number of Days to Update: 64 Source: San Mateo County Environmental Health Services Division Telephone: 650-363-1921 Last EDR Contact: 12/09/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 03/29/2019	Telephone: 650-363-1921
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 11/30/2022
Number of Days to Update: 61	Next Scheduled EDR Contact: 03/20/2023
	Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011	Source: Santa Barbara County Public Health Department
Date Data Arrived at EDR: 09/09/2011	Telephone: 805-686-8167
Date Made Active in Reports: 10/07/2011	Last EDR Contact: 11/08/2022
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/27/2023
	Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 05/16/2022	Source: Department of Environmental Health
Date Data Arrived at EDR: 05/18/2022	Telephone: 408-918-1973
Date Made Active in Reports: 08/04/2022	Last EDR Contact: 10/28/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/27/2023
	Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005 Date Data Arrived at EDR: 03/30/2005 Date Made Active in Reports: 04/21/2005 Number of Days to Update: 22 Source: Santa Clara Valley Water District Telephone: 408-265-2600 Last EDR Contact: 03/23/2009 Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014 Date Data Arrived at EDR: 03/05/2014 Date Made Active in Reports: 03/18/2014 Number of Days to Update: 13 Source: Department of Environmental Health Telephone: 408-918-3417 Last EDR Contact: 11/15/2022 Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020 Date Data Arrived at EDR: 11/05/2020 Date Made Active in Reports: 01/26/2021 Number of Days to Update: 82 Source: City of San Jose Fire Department Telephone: 408-535-7694 Last EDR Contact: 10/26/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

> Date of Government Version: 01/21/2017 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 05/23/2017 Number of Days to Update: 90

Source: Santa Cruz County Environmental Health Telephone: 831-464-2761 Last EDR Contact: 11/08/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

> Date of Government Version: 06/15/2017 Date Data Arrived at EDR: 06/19/2017 Date Made Active in Reports: 08/09/2017 Number of Days to Update: 51

Source: Shasta County Department of Resource Management Telephone: 530-225-5789 Last EDR Contact: 11/08/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019 Date Data Arrived at EDR: 06/06/2019 Date Made Active in Reports: 08/13/2019 Number of Days to Update: 68 Source: Solano County Department of Environmental Management Telephone: 707-784-6770 Last EDR Contact: 11/22/2022 Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021 Date Data Arrived at EDR: 09/16/2021 Date Made Active in Reports: 12/09/2021 Number of Days to Update: 84 Source: Solano County Department of Environmental Management Telephone: 707-784-6770 Last EDR Contact: 11/22/2022 Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date Data Arrived	ent Version: 07/02/2021 at EDR: 07/06/2021 in Reports: 07/14/2021 o Update: 8	Source: County of Sonoma Fire & Emergency Services Department Telephone: 707-565-1174 Last EDR Contact: 12/13/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Varies
	ng Underground Storage Ta underground storage tank s	nk Sites ites located in Sonoma county.
Date Data Arrived	ent Version: 06/30/2021 at EDR: 06/30/2021 in Reports: 09/24/2021 o Update: 86	Source: Department of Health Services Telephone: 707-565-6565 Last EDR Contact: 12/13/2022 Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly
STANISLAUS COUNTY	<u>/:</u>	
CUPA STANISLAUS: C Cupa facility list	CUPA Facility List	
Date Data Arrived	ent Version: 02/08/2022 at EDR: 02/10/2022 in Reports: 05/04/2022 o Update: 83	Source: Stanislaus County Department of Ennvironmental Protection Telephone: 209-525-6751 Last EDR Contact: 10/04/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Varies
SUTTER COUNTY:		
UST SUTTER: Undergr Underground stora	round Storage Tanks age tank sites located in Sutt	er county.
Date Data Arrived	ent Version: 08/03/2022 at EDR: 08/25/2022 in Reports: 11/14/2022 o Update: 81	Source: Sutter County Environmental Health Services Telephone: 530-822-7500 Last EDR Contact: 11/23/2022 Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Semi-Annually
TEHAMA COUNTY:		
CUPA TEHAMA: CUPA Cupa facilities	A Facility List	
Date Data Arrived	ent Version: 07/27/2022 at EDR: 07/27/2022 in Reports: 10/11/2022 o Update: 76	Source: Tehama County Department of Environmental Health Telephone: 530-527-8020 Last EDR Contact: 11/08/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies
TRINITY COUNTY:		
CUPA TRINITY: CUPA Cupa facility list	Facility List	
Date Data Arrived	ent Version: 07/13/2022 at EDR: 07/14/2022 in Reports: 09/29/2022 o Update: 77	Source: Department of Toxic Substances Control Telephone: 760-352-0381 Last EDR Contact: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 10/07/2022 Date Data Arrived at EDR: 10/07/2022 Date Made Active in Reports: 12/21/2022 Number of Days to Update: 75 Source: Tulare County Environmental Health Services Division Telephone: 559-624-7400 Last EDR Contact: 10/05/2022 Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

> Date of Government Version: 04/23/2018 Date Data Arrived at EDR: 04/25/2018 Date Made Active in Reports: 06/25/2018 Number of Days to Update: 61

Source: Divison of Environmental Health Telephone: 209-533-5633 Last EDR Contact: 10/11/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2022 Date Data Arrived at EDR: 07/21/2022 Date Made Active in Reports: 09/30/2022 Number of Days to Update: 71 Source: Ventura County Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 10/17/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	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: 12/19/2022
Number of Days to Update: 49	Next Scheduled EDR Contact: 04/10/2023
	Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	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: 11/01/2022
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/20/2023
	Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/26/2022	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 07/25/2022	Telephone: 805-654-2813
Date Made Active in Reports: 10/05/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/29/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/21/2022 Number of Days to Update: 82 Source: Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 12/02/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report Underground storage tank sites located in Yolo county.

Date of Government Version: 09/21/2022 Date Data Arrived at EDR: 09/30/2022 Date Made Active in Reports: 12/14/2022 Number of Days to Update: 75 Source: Yolo County Department of Health Telephone: 530-666-8646 Last EDR Contact: 12/19/2022 Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List CUPA facility listing for Yuba County.

> Date of Government Version: 10/25/2022 Date Data Arrived at EDR: 10/26/2022 Date Made Active in Reports: 10/31/2022 Number of Days to Update: 5

Source: Yuba County Environmental Health Department Telephone: 530-749-7523 Last EDR Contact: 10/20/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/21/2022
Number of Days to Update: 74

Source: Department of Energy & Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 11/16/2022 Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/16/2019 Number of Days to Update: 36 Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 10/03/2022 Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 10/29/2021 Date Made Active in Reports: 01/19/2022 Number of Days to Update: 82

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

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

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 Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 10/28/2022 Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

Source: Department of Environmental Protection Telephone: 717-783-8990 Last EDR Contact: 10/05/2022 Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Annually

Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 12/20/2022 Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Annually

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 12/01/2022 Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals. Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes Source: National Institutes of Health Telephone: 301-594-6248 Information on Medicare and Medicaid certified nursing homes in the United States. **Public Schools** Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states. **Private Schools** Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on private school locations in the United States. **Daycare Centers: Licensed Facilities** Source: Department of Social Services Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Department of Fish and Wildlife Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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Creekview Inclusionary

Westbrook Blvd / Blue Oaks Blvd Roseville, CA 95747

Inquiry Number: 6754274.8 November 18, 2021

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

Site Name:

Client Name:

11/18/21

Creekview Inclusionary Westbrook Blvd / Blue Oaks Bl[·] Roseville, CA 95747 EDR Inquiry # 6754274.8 Geocon Consultants, Inc. 3160 Gold Valley Drive Suite 800 Rancho Cordova, CA 95742 Contact: Alice Orton



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search	Results:			
Year	Scale	Details	Source	
2016	1"=500'	Flight Year: 2016	USDA/NAIP	
2012	1"=500'	Flight Year: 2012	USDA/NAIP	
2009	1"=500'	Flight Year: 2009	USDA/NAIP	
2006	1"=500'	Flight Year: 2006	USDA/NAIP	
1998	1"=500'	Acquisition Date: January 01, 1998	USGS/DOQQ	
1993	1"=500'	Acquisition Date: May 23, 1993	USGS/DOQQ	
1984	1"=500'	Flight Date: June 08, 1984	USDA	
1975	1"=500'	Flight Date: August 25, 1975	USGS	
1966	1"=500'	Flight Date: August 04, 1966	USGS	
1962	1"=500'	Flight Date: July 28, 1962	USGS	
1952	1"=500'	Flight Date: July 18, 1952	USDA	
1947	1"=500'	Flight Date: July 28, 1947	USGS	
1937	1"=500'	Flight Date: September 01, 1937	USDA	

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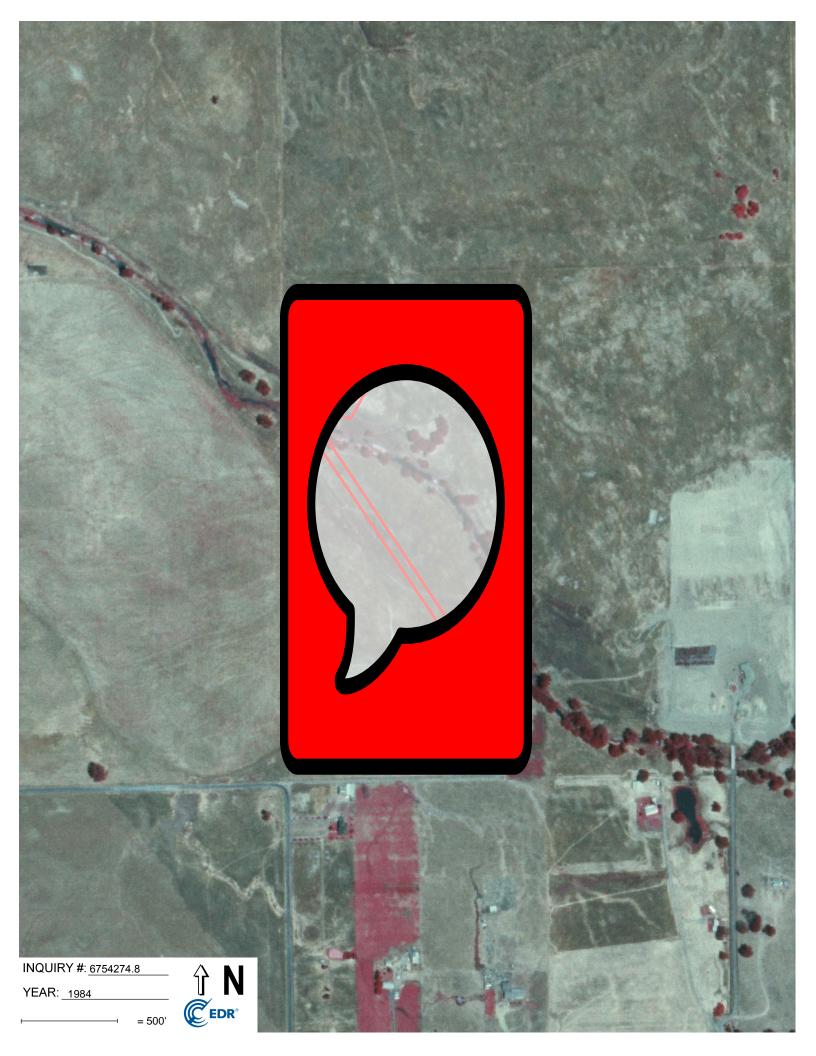






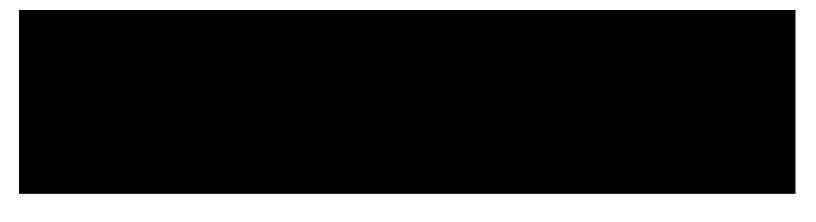


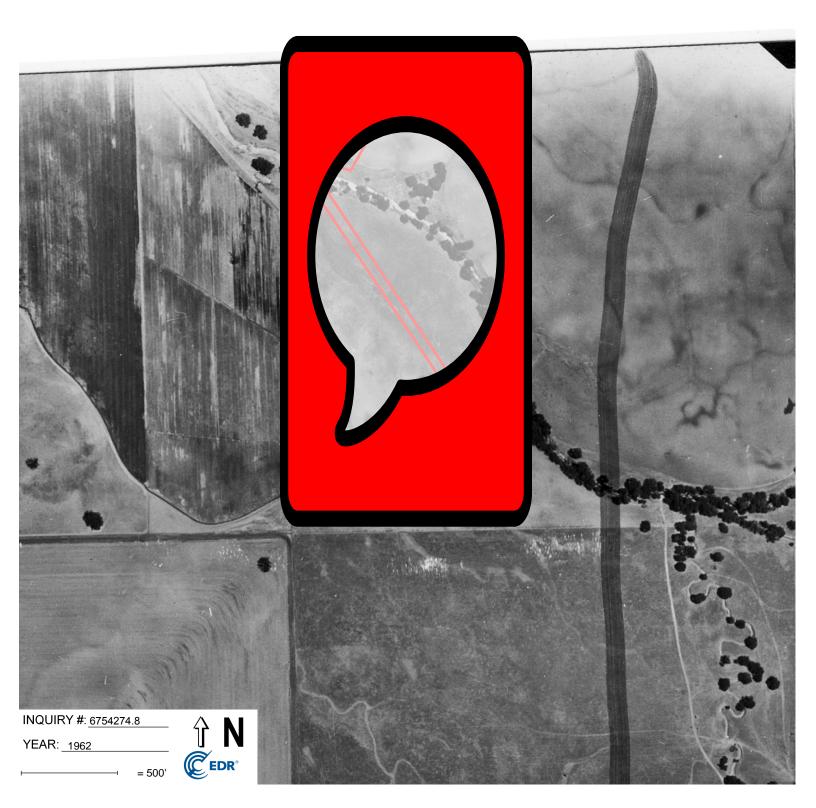






















Creekview Inclusionary Westbrook Blvd / Blue Oaks Blvd Roseville, CA 95747

Inquiry Number: 6754274.4 November 17, 2021

EDR Historical Topo Map Report with QuadMatch™



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

Site Name:

Client Name:

Creekview Inclusionary Westbrook Blvd / Blue Oaks Bl Roseville, CA 95747 EDR Inquiry # 6754274.4 Geocon Consultants, Inc. 3160 Gold Valley Drive Suite 800 Rancho Cordova, CA 95742 Contact: Alice Orton



11/17/21

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Geocon Consultants, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Res	ults:	Coordinates:	
P.O.#	NA	Latitude:	38.799032 38° 47' 57" North
Project:	S9578-05-37A	Longitude:	-121.384724 -121° 23' 5" West
•		UTM Zone:	Zone 10 North
		UTM X Meters:	640268.42
		UTM Y Meters:	4295714.42
		Elevation:	77.98' above sea level
Maps Provi	ded:		
2012	1910		
1992	1893		
1981	1892		
1975	1891		
1967			
1953			
1942			
1941			

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Topo Sheet Key

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

2012 Source Sheets





Roseville 2012 7.5-minute, 24000

Pleasant Grove 2012 7.5-minute, 24000

1992 Source Sheets



Roseville 1992 7.5-minute, 24000 Aerial Photo Revised 1992

1981 Source Sheets



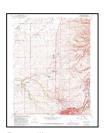
Pleasant Grove 1981 7.5-minute, 24000 Aerial Photo Revised 1978



1975 Source Sheets



Roseville 1975 7.5-minute, 24000 Aerial Photo Revised 1975



Roseville 1981 7.5-minute, 24000 Aerial Photo Revised 1978

Topo Sheet Key

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

1967 Source Sheets



Pleasant Grove 1967 7.5-minute, 24000 Aerial Photo Revised 1966

1953 Source Sheets



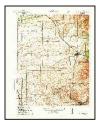
Pleasant Grove 1953 7.5-minute, 24000 Aerial Photo Revised 1949

1942 Source Sheets



Markham Ravine 1942 15-minute, 62500 Aerial Photo Revised 1939

1941 Source Sheets



MARKHAM RAVINE 1941 15-minute, 62500



Roseville 1967 7.5-minute, 24000 Aerial Photo Revised 1966



Roseville 1953 7.5-minute, 24000 Aerial Photo Revised 1949

Topo Sheet Key

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

1910 Source Sheets



Roseville 1910 7.5-minute, 31680



Pleasant Grove 1910 7.5-minute, 31680

1893 Source Sheets



Sacramento 1893 30-minute, 125000

1892 Source Sheets

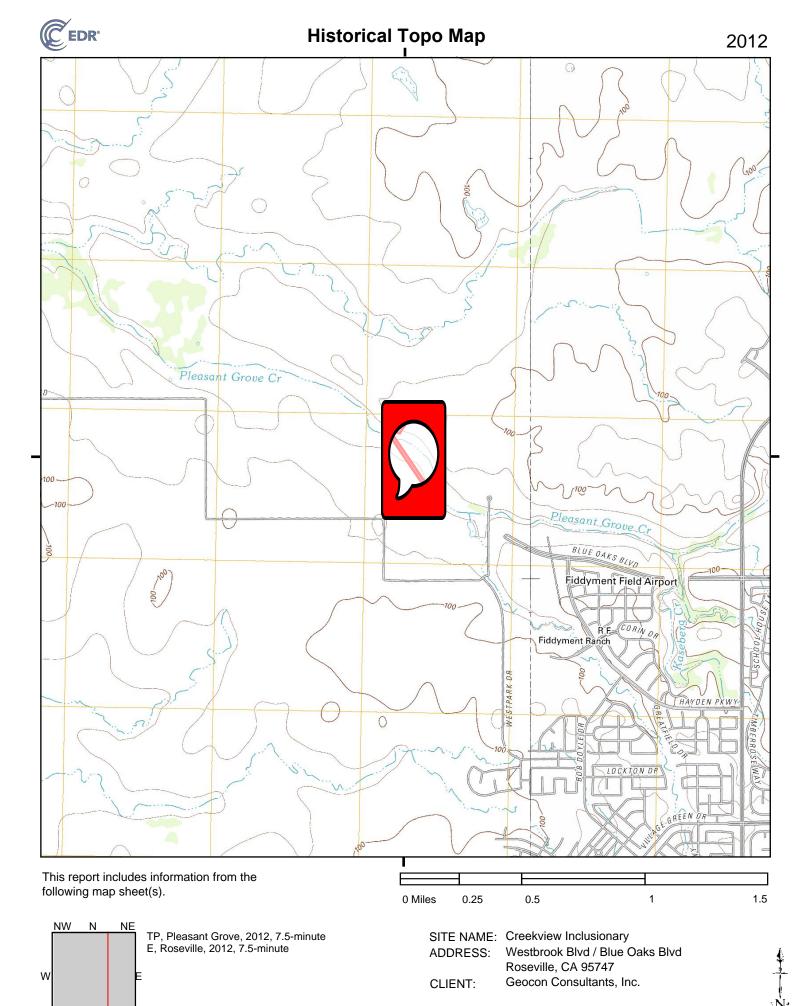


Sacramento 1892 30-minute, 125000

1891 Source Sheets



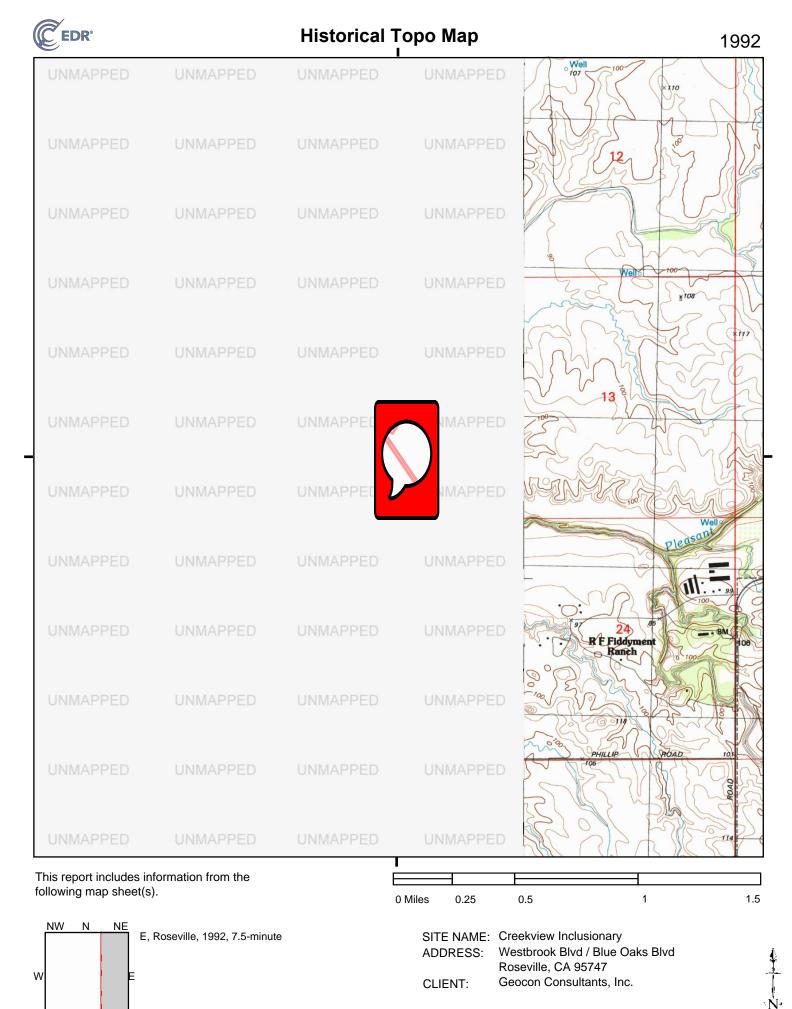
Sacramento 1891 30-minute, 125000



SW

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SE



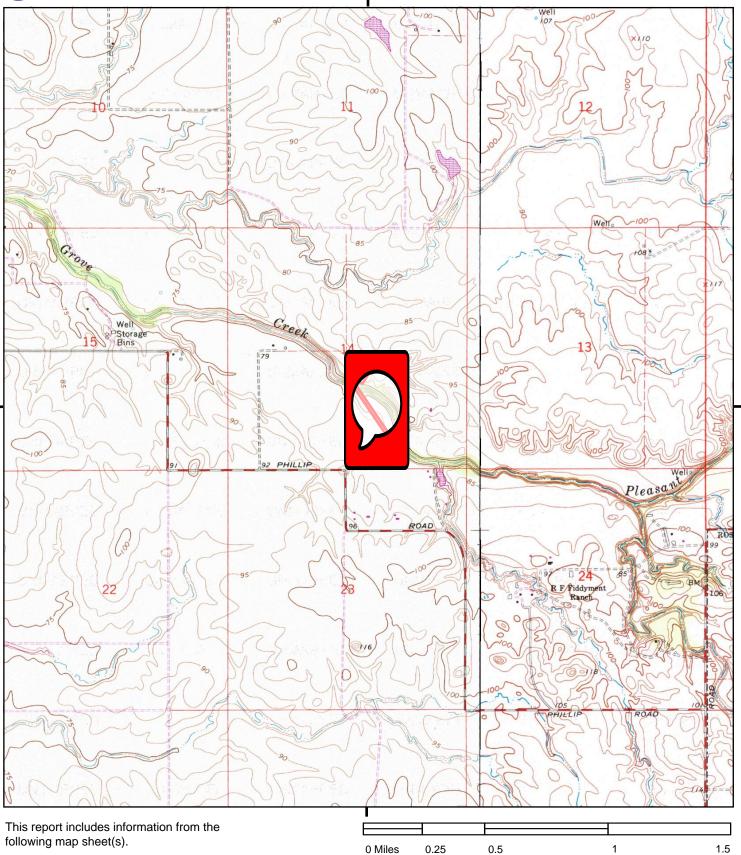
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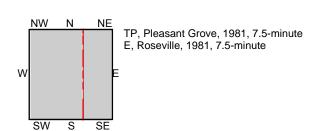
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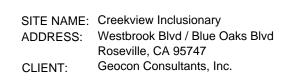
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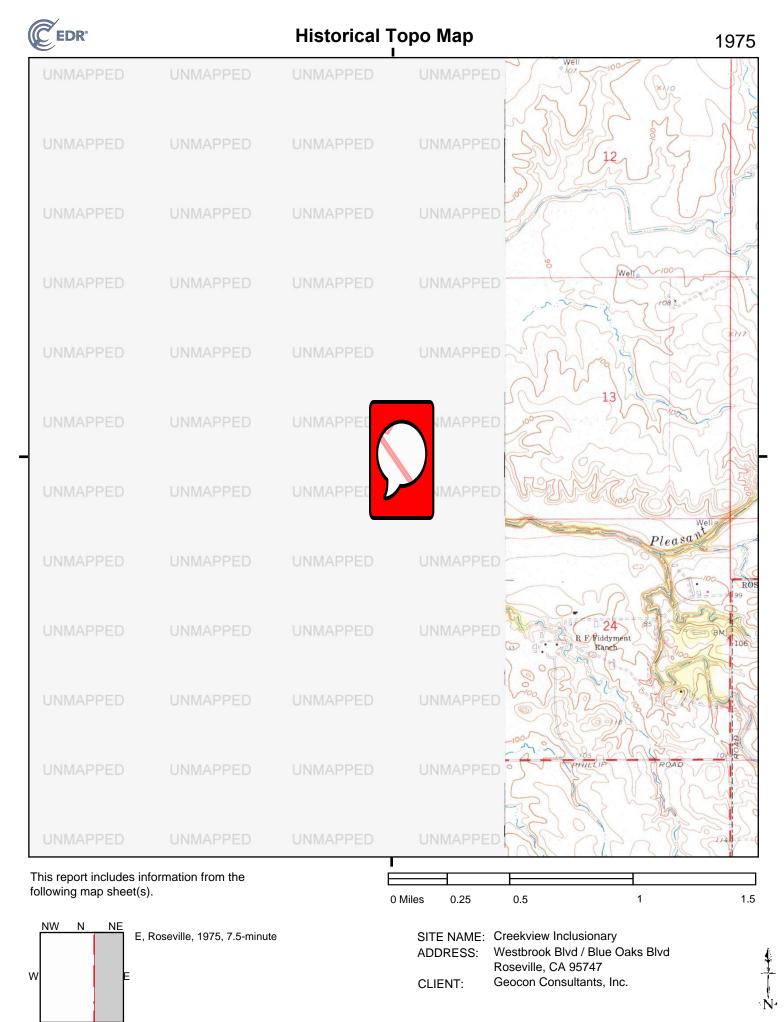
Historical Topo Map







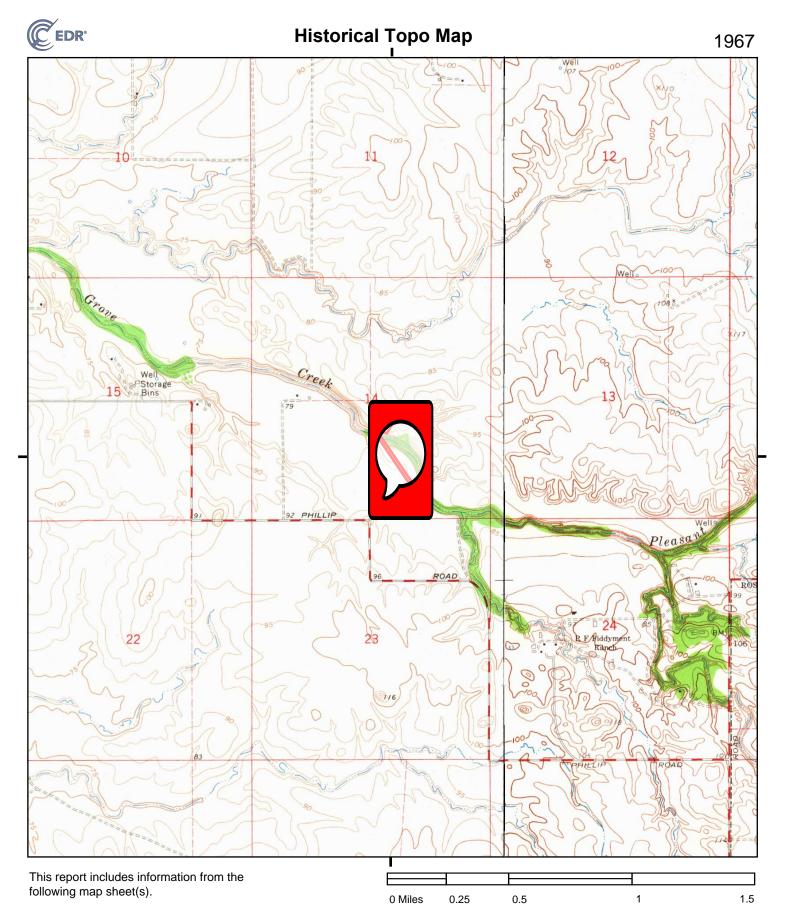
6754274 - 4 page 8

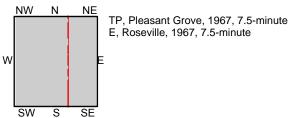


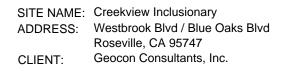
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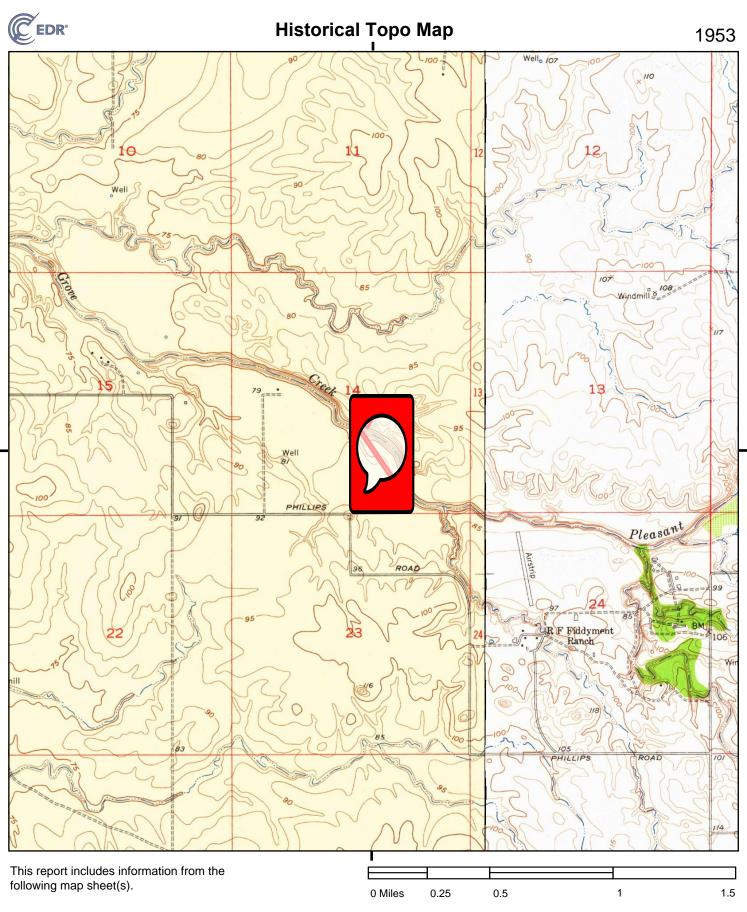
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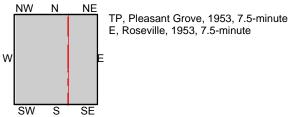
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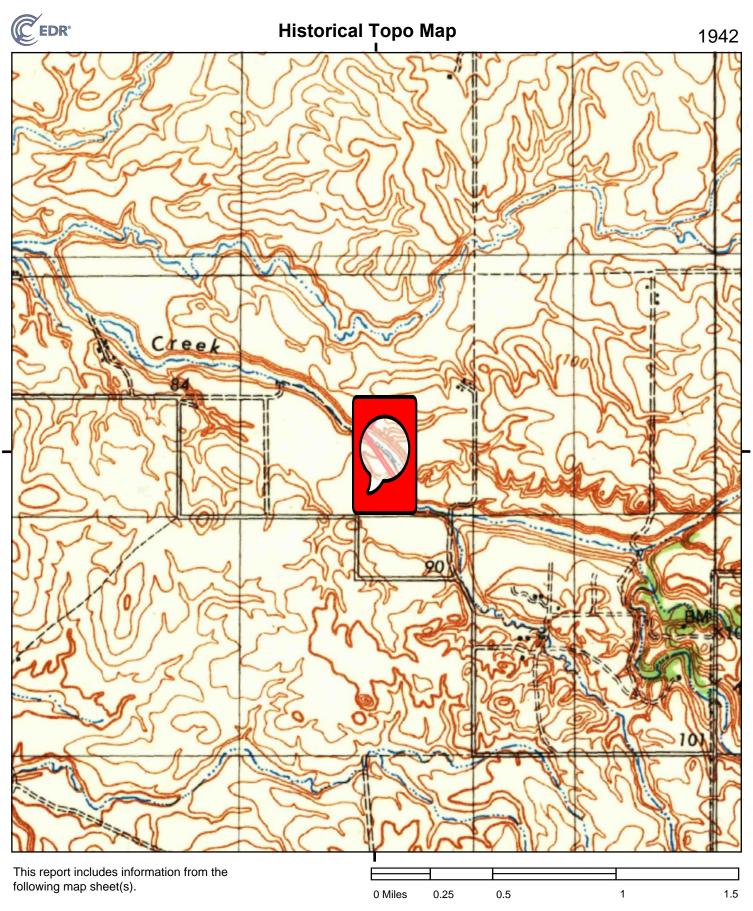


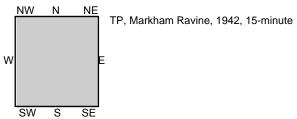






SITE NAME:	Creekview Inclusionary
ADDRESS:	Westbrook Blvd / Blue Oaks Blvd
	Roseville, CA 95747
CLIENT:	Geocon Consultants, Inc.

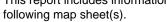




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ADDRESS:	Westbrook Blvd / Blue Oaks Blvd
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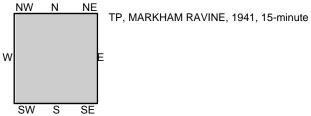








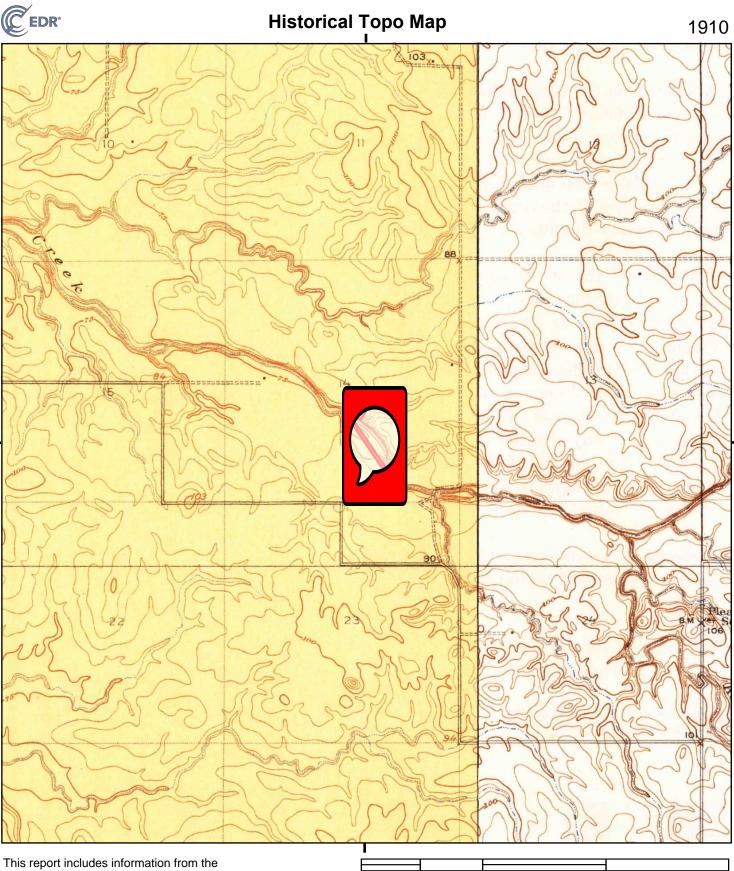




SITE NAME:	Creekview Inclusionary
ADDRESS:	Westbrook Blvd / Blue Oaks Blvd
	Roseville, CA 95747
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0.5

0.25



following map sheet(s). 0 Miles 0.25 0.5 1 1.5 NW NE Ν TP, Pleasant Grove, 1910, 7.5-minute E, Roseville, 1910, 7.5-minute SITE NAME: Creekview Inclusionary ADDRESS: Westbrook Blvd / Blue Oaks Blvd Roseville, CA 95747 W Geocon Consultants, Inc. CLIENT:

SW

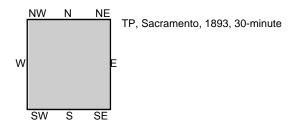
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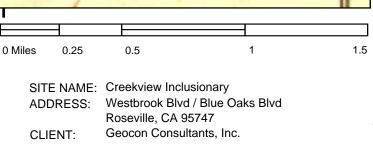
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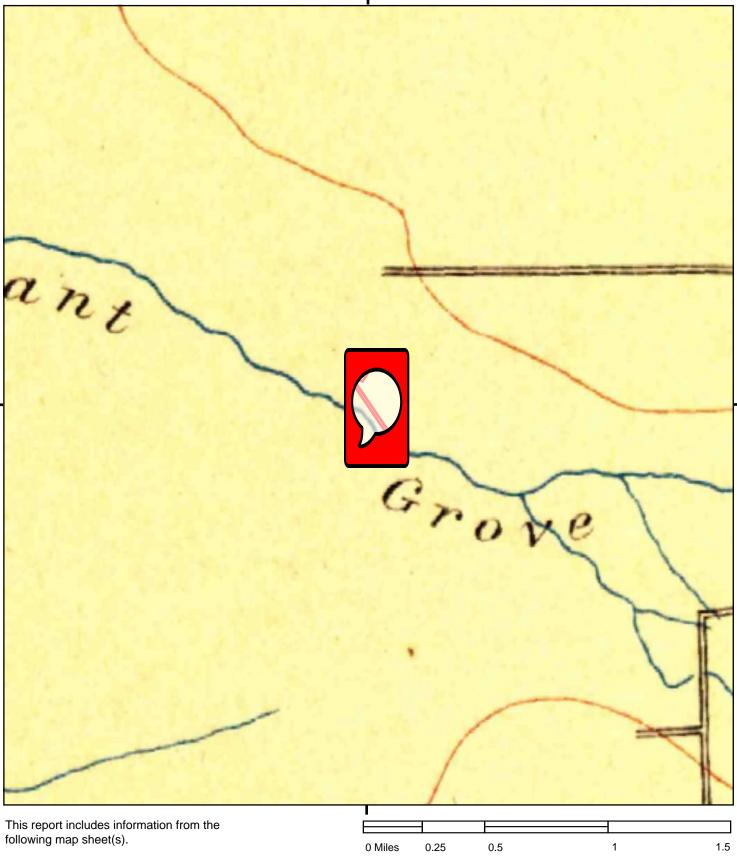
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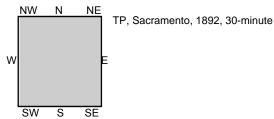


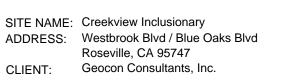


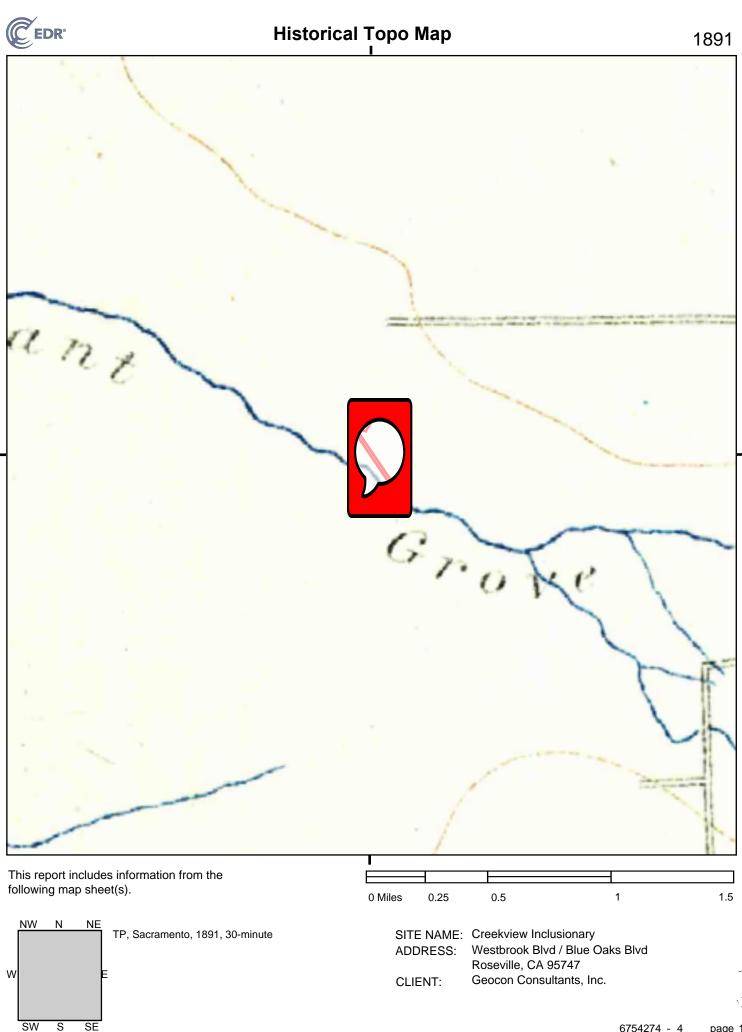














Creekview Inclusionary

Westbrook Blvd / Blue Oaks Blvd Roseville, CA 95747

Inquiry Number: 6754274.5 November 22, 2021

The EDR-City Directory Image Report



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Brad street. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017		\checkmark	EDR Digital Archive
2014		\checkmark	EDR Digital Archive
2010		\checkmark	EDR Digital Archive
2005		\checkmark	EDR Digital Archive
2000			EDR Digital Archive
1995		\checkmark	EDR Digital Archive
1992		\checkmark	EDR Digital Archive
1990		\checkmark	Haines Criss-Cross Directory
1986		\checkmark	Haines Criss-Cross Directory
1981			Haines Criss-Cross Directory
1977			Haines Criss-Cross Directory
1971			Haines Criss-Cross Directory
1966			Polk's City Directory
1963			Polk's City Directory

<u>Year</u>

Target Street Cross Street

<u>Source</u>

FINDINGS

TARGET PROPERTY STREET

Westbrook Blvd / Blue Oaks Blvd Roseville, CA 95747

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
WESTBRO	OK BLVD		
2017	-	EDR Digital Archive	Target and Adjoining notlisted in Source
2014	-	EDR Digital Archive	Target and Adjoining not listed in Source
2010	-	EDR Digital Archive	Target and Adjoining not listed in Source
2005	-	EDR Digital Archive	Target and Adjoining not listed in Source
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1986	-	Haines Criss-Cross Directory	Street not listed in Source
1981	-	Haines Criss-Cross Directory	Street not listed in Source
1977	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source
1966	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
BLUE OA	<u>KS BLVD</u>		
2017	pg.A2	EDR Digital Archive	
2014	pg.A4	EDR Digital Archive	
2010	pg.A6	EDR Digital Archive	
2005	pg.A7	EDR Digital Archive	
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	pg.A8	EDR Digital Archive	
1992	pg.A9	EDR Digital Archive	
1990	pg. A10	Haines Criss-Cross Directory	
1986	pg.A11	Haines Criss-Cross Directory	
1981	-	Haines Criss-Cross Directory	Street not listed in Source
1977	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source
1966	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source

City Directory Images

-

1310	BODY YOGA
	MINUTEMAN PRESS
	TWIN MODAL
1316	CALIFORNIA SUN
	FASTKAT WIRELESS
	SOFTMATRIX INC
1322	ALPHAGRAPHICS
	FONTAINE DANCE
	WATER WORKS ENGINEERS LLC
1328	BISCO INDUSTRIES
	EVALIMI PHOTOGRAPHY SOLUTIONS
	FONTAINE DANCE
	JULIE DECARLO
	PHOTOGRAPHYMYWAY
	PLAYSCHOOL
	ROSEVILLE COUNTY BAIL BONDS
	STATE FARM INSURANCE
1334	SONITROL
1340	ALIMAC PC SERVICES INC
	COLEMAN ENGINEERING COMPANY
	DIVERSIFIED CONSULTING SUPPORT SERVI
	MSA ENGINEERING INC
1346	TERMINIX
1352	LARSON SHUTTER COMPANY
	MORTON PITALO
	PLAYSCHOOL
	WRIGHT TECHNOLOGY
1358	SEQUOIA PACIFIC BUILDERS INC
	SUNWORKS SOLAR
	TOWER UP INC
1364	MILLENNIUM SOLUTIONS GROUP
1376	HARVEST COMMUNITY CHURCH
	WESTSHORE MEDICAL BILLING INC
1391	QUICK QUACK CAR WASH
1398	CARLSBERG CONSTRUCTORS
	NEIGHBORHOOD DEALERS
1400	MCDONALDS
	MASSAGE PRO
	ALWAYS BEST CARE SENIOR SERVICES
1422	
	BLUE OAKS EYE CARE
	BLUE OAKS PLAZA 1422 CONDOMINIUM OWN
1424	RAJ ZANZI DMD
4 4 9 9	TWELVE BRIDGES DENTAL GROUP
1426	CHASE CLEANERS
	SAKURA JAPANESE BISTRO & BAR
	STAR NAILS
4 400	
1430	BOUCHARD COMMUNICATIONS GROUP
	DIRECT TECHNOLOGY

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Cross Street ✓ Source EDR Digital Archive

(Cont'd)

- 1430 EDWARD JONES EMA SERVICES INC FNC TITLE GINGERY LORRAINE PC LAW OFFICES OF GREYSTAR INVITATION HOMES LEGAL AGE SECURITY SOFTWARE MATRIX MANAGER MOURIER, JOHN L NATIONAL ASSET MANAGEMENT GROUP SCOTTISH AMERICAN SWEDISH MATCH NORTH AMERICA TRAVIDIA INC
- 1450 BLUE OAKS SELF STORAGE
- 1492 WALGREENS

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1310	MINUTEMAN PRESS
	TWIN MODAL
1316	FASTKAT WIRELESS
1322	WATER WORKS ENGINEERS LLC
1325	WRIGHT TECHNOLOGIES
1328	
	BOWEN JULIE INSURANCE
	EVALIMI PHOTOGRAPHY SOLUTIONS
	FONTAINE DANCE
	JULIE BOWEN STATE FARM INSURANCE A
	STATE FARM INSURANCE
1334	SONITROL
1340	
	DIVERSIFIED CONSULTING SUPPORT SERVI MURRAY SMITH & ASSOCIATES ENGINEER
1346	TERMINIX
1340	
1552	LARSON SHUTTER COMPANY
	SMARTWATT ENERGY INC
1358	ALLIED NETWORK SOLUTIONS
1000	SEQUOIA PACIFIC BUILDERS INC
	SOLUTION
	SUNWORKS SOLAR
	TOWER UP INC
1364	MILLENNIUM SOLUTIONS GROUP
1376	HARVEST COMMUNITY CHURCH
1382	POOL SUPPLY WORLD
	WESTSHORE MEDICAL BILLING INC
1391	QUICK QUACK CAR WASH
1398	CARLSBERG CONSTRUCTORS
	UHAUL
1400	CHEVRON STATION ROSEVILLE
	MCDONALDS
1422	
4 400	BLUE OAKS PLAZA CONDOMINIUM OWNERS A
1426	CHASE CLEANERS INC SAKURA JAPANESE BISTRO & BAR
	SARURA JAPANESE BISTRO & BAR STAR NAILS
	SUBWAY SANDWICHES
1430	BOUCHARD COMMUNICATIONS GROUP
1400	CALATLANTIC SECURITY SOLUTIONS
	DIRECT TECHNOLOGY
	EMA SERVICES INC
	JOHN MOURIER CONSTRUCTION
	LEGAL AGE SECURITY SOFTWARE
	MATRIX MANAGER
	NATIONAL ASSET MANAGEMENT GROUP
	NEW VISION DISPLAY

BLUE OAKS BLVD 2014 (Cont'd)

- 1430 ORANGE COAST TITLE COMPANY SWEDISH MATCH NORTH AMERICA TRAVIDIA INC
- 1450 AARDVARK SELF STORAGE BLUE OAKS SELF STORAGE

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1310	LIGHTING SYSTEMS
	PLAYSCHOOL
1322	FONTAINE DANCEROSEVILLE
	SIGNATURE PROPERTIES
	WATER WORKS ENGINEERS LLC
1328	BISCO INDUSTRIES
	EVALIMI PHOTOGRAPHY SOLUTIONS
	JULIE BOWEN INSURANCE
	NATIONALPRECISION PRODUCTS CO
	STATE FARM BANK
	TRANS TAE KWON DO TODAY
1334	CYBEX MOBILE MONITORING SYST
1004	SONITROL SECURITY SYSTEMS
1340	DIVERSIFIED CONSULTING SUPPORT
1340	MSA ENGINEERING INC
1346	BUILDERS ADVANTAGE INSURANCE
1340	TERMINIX INTERNATIONAL CO
1352	SMARTWATT ENERGY INC
1358	ALLIED NETWORK SOLUTIONS
4070	SEQUOIA PACIFIC BUILDERS
1376	HARVEST COMMUNITY CHURCH
1382	BP LENDING INC
	GIL COHEN INSURANCE
	WESTSHORE MEDICAL BILLING INC
1391	RAINTREE EXPRESS AUTO WASH
1400	ADT 24 HR ALARM & SECURITY DLR
	ADT A1 SECURITY AUTH DEALER
	CHEVRON
	MC DONALDS
1422	BLUE HILL DENTAL
	BLUE OAKS EYECARE
	BLUE OAKS PLAZA CONDOMINIUM
1426	SUBWAY
1430	BOUCHARD COMMUNICATIONS GROUP
1100	COUNTYWIDE HOME LOANS
	CREATIVE TOUCH INTERIORS
	DIRECT TECHNOLOGY
	JMC HOMES
	MOURIER LAND INVESTMENT CORP
	NETVAD
	ORANGE COAST TITLE CO
	PREMIER ELECTION SOLUTIONS INC
1450	BLUE OAKS SELF STORAGE

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Cross Street ✓ Source EDR Digital Archive

BLUE OAKS BLVD 2005

1310	SISTEMALUX
	TWIN MODAL
1316	ANCHOR FINANCIAL MORTGAGE CO
	SOFTWARE LABS INC
	WI FI VENTURES
1322	PIROUTTES ACADEMY OF DANCE
1340	MONART SCHOOL OF THE ARTS
	MSA ENGINEERING
	SMITH MURRAY & ASSOCS ENGRG
	SPANNAGEL AND ASSOCIATES INC
1346	TERMINIX INTERNATIONAL
1352	MORTON & PITALO
	MORTON & PITALO ENGINEER
	PLAY SCHOOL
	THE SOURCE GROUP INC
1358	ALLIED NETWORK SOLUTIONS
	BEDROCK PAVE STONES

BEDROCK PAVE STONES
 EPIC
 SEQUOIA PACIFIC BUILDERS INC
 1364 WOODLAND COX INC
 BLUE OAKS SELF STORAGE

2000 OCCUPANT UNKNOWN,

6754274.5 Page: A7

Cross Street ✓ Source EDR Digital Archive

BLUE OAKS BLVD 1995

2000 OCCUPANT UNKNOWNN

-

Cross Street ✓ Source EDR Digital Archive

BLUE OAKS BLVD 1992

2000 FIDDYMENT, WALTER F

-

Cross Street

Source Haines Criss-Cross Directory

BLUE OAKS BLVD 1990

BLUE OAKS BLVD (86) 95678 ROSEVILLE 2000 FIDDYMENT Walter F 783-4974 6 * 0 BUS 1 RES 0 NEW

Cross Street

Source Haines Criss-Cross Directory

BLUE OAKS BLVD 1986

+BLUE OAKS BLVD 95678 ROSEVILLE

1398 CARLSBERG CONSTRCTR 788-9001+6 CARLSBERG CONSTRCTR 786-9000+6 2000 FIDDYMENT WALTER F 783-4974+6 # 2 BUS 1 RES 3 NEW



Site Owner/Occupant Questionnaire

The following questions are for: (1) the current owner of the property, (2) any major occupant of the property or, if the property does not have any major occupants, at least 10% of the occupants of the property, and (3) in addition to the current owner and the occupants identified in (2), any occupant likely to be using, treating, generating, storing, or disposing of hazardous substances and/or petroleum products on or from the property. A major occupant is any occupant using at least 40% of the leasable area of the property or any anchor tenant when the property is a shopping center. In a multi-family property containing both residential and commercial uses, residential occupants do not need to respond to this questionnaire unless they are involved in or have knowledge of the commercial or other uses.

Address: 1) Blue Oaks Blvd, east of Westbrook Blvd. - Lot 25 of Creekview Large Lot Subdivision No. PL18-0190 Roseville Ca. (also referenced as Lot C-43 of Creekview Modified Small Lot Tentative Subdivision Map (July 2019) Roseville, CA 2) Westbrook Blvd., north of Pleasant Grove Creek – Lot C-40 of Creekview Modified Small Lot Tentative Subdivision Map (July 2019) Roseville, CA.

Description of Site: 1) Lot 25: Graded flat pad, approx. 3.882 acres. 2) Lot C-40: Graded flat pad, approx. 5.2 acres.

í es í es í es	No No No	Unk Unk Unk	Yes Yes Yes Yes	(if appl No No No	Unk Unk Unk Unk
<i>l</i> es	No	Unk	Yes	No	Unk
<i>l</i> es	No	Unk	Yes	No	Unk
Yes	No	Unk	Yes	No	Unk
Yes	No	Unk	Yes	No	Unk
		1			
Yes	No	Unk	Yes	No	Unk
	·	·		·	
Yes	No	Unk	Yes	No	Unk

Question		Owner		Occupants (if applicable)			
4a. Have you observed evidence of or do you have any knowledge that the property was previously used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)? Explain if yes:	Yes	No	Unk	Yes	No	Unk	
Explain II yes.							
4b. Have you observed evidence of or do you have any knowledge that any adjoining property was previously used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	No	Unk	Yes	No	Unk	
Explain if yes:							
5a. Are there currently any damaged or discarded automotive or industrial batteries, petroleum products, pesticides, paints or other chemicals in individual containers of > 5gal (19L) in volume or 50gal (190L) in the aggregate, stored on or used at the property or facility?	Yes	No	Unk	Yes	No	Unk	
Explain if yes:							
5b. Have you observed evidence of or do you have any knowledge that there have been previously any damaged or discarded automotive or industrial batteries, petroleum products, pesticides, paints or other chemicals in individual containers of > 5gal (19L) in volume or 50gal (190L) in the aggregate, stored on or used at the property or facility?	Yes	No	Unk	Yes	No	Unk	
Explain if yes:							
6a. Are there currently any industrial drums (typically 55 gal [208L]) or sacks of chemicals located on the property or at the facility?	Yes	No	Unk	Yes	No	Unk	
Explain if yes:							
6b. Have you observed evidence of or do you have any knowledge that there have been previously any industrial drums (typically 55 gal [208L]) or sacks of chemicals located on the property or at the facility?	Yes	No	Unk	Yes	No	Unk	
Explain if yes:		·		•		•	
7a. Have you observed evidence of or do you have any knowledge that fill dirt has been brought onto the property	Yes	No	Unk	Yes	No	Unk	

7b. Have you observed evidence of or do you have any knowledge that fill dirt has been brought onto the property that is of an unknown origin? Explain if yes:	Yes	No	Unk	Yes	No	Unk
Explain II yes.						
8a. Are there currently any pits, ponds, or lagoons located on the property in connection with waste treatment or disposal? Explain if yes:	Yes	No	Unk	Yes	No	Unk
Explain II yes.						
8b. Have you observed evidence of or do you have any knowledge that there have been previously any pits, ponds, or lagoons located on the property in connection with waste treatment or disposal?	Yes	No	Unk	Yes	No	Unk
Explain if yes:						
9a. Is there currently any stained soil on the property? Explain if yes:	Yes	No	Unk	Yes	No	Unk
9b. Have you observed evidence of or do you have any knowledge that there has been previously any stained soil on the property?	Yes	No	Unk	Yes	No	Unk
Explain if yes:		I	1			
10a. Are there currently any registered or unregistered storage tanks (aboveground or underground) located on the property?	Yes	No	Unk	Yes	No	Unk
Explain if yes:		•	•	•	1	
10b. Have you observed evidence of or do you have any knowledge that there have been previously any registered or unregistered storage tanks (aboveground or underground) located on the property?	Yes	No	Unk	Yes	No	Unk
Explain if yes:						
11a. Are there currently any vent pipe, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?	Yes	No	Unk	Yes	No	Unk
Explain if yes:			·		·	
11b. Have you observed evidence of or do you have any knowledge that there have been previously any vent pipe, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?	Yes	No	Unk	Yes	No	Unk

12a. Are there currently any flooring, drains, or walls located within the facility that are stained by substances other than water or were emitting foul odors?	Yes	No	Unk	Yes	No	Unk
Explain if yes:						
12b. Have you observed evidence of or do you have any knowledge that there have been previously any flooring, drains, or walls located within the facility that are stained by substances other than water or were emitting foul odors? Explain if yes:	Yes	No	Unk	Yes	No	Unk
13a. If the property is served by a private well or non-public water system, is there evidence of or do you have knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?	Yes	No	Unk	Yes	No	Unk
Explain if yes:						
13b. If the property is served by a private well or non-public water system, is there evidence of or do you have knowledge that the well has been designated as contaminated by any government/health agency?	Yes	No	Unk	Yes	No	Unk
Explain if yes:			1	1		1
14. Do you have any knowledge of environmental liens of governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	Yes	No	Unk	Yes	No	Unk
Explain if yes:						
15a. Have you been informed of the past existence of hazardous substances and/or petroleum products with respect to the property or any facility located on the property? Explain if yes:	Yes	No	Unk	Yes	No	Unk
15b. Have you been informed of the current existence of hazardous substances and/or petroleum products with respect to the property or any facility located on the property?	Yes	No	Unk	Yes	No	Unk
Explain if yes:						
15c. Have you been informed of the past existence of environmental violations with respect to the property or any facility located on the property?	Yes	No	Unk	Yes	No	Unk
Explain if yes:						
15d. Have you been informed of the current existence of environmental violations with respect to the property or any facility located on the property?	Yes	No	Unk	Yes	No	Unk

16. Do you have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances and/or petroleum products or a contaministrative proceedings concerning a release or threatened release of any hazardous substances and/or petroleum products involving the property by any owner or occupant of the property? Yes No Unk Yes No Unk 17. Do you know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances and/or petroleum products involving the property by any owner or occupant of the property? Yes No Unk Yes No Unk 18a. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a stormwater sewer system? Yes No Unk Yes No Unk 18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer system? Yes No Unk Yes No Unk 19. Have you observed evidence of or do you have any knowledge that any hazardous substances and/or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property? Yes No Unk Yes No Unk 20. Is there a transformer, capacitor, or any hydraulic equipment for which there are records indicating the p							
Explain if yes: 17. Do you know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances and/or petroleum products involving the property by any owner or occupant of the property? Yes No Unk Yes No Unk 18a. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a stormwater Yes No Unk Yes No Unk 18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer system? Yes No Unk Yes No Unk 19b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer system? Yes No Unk Yes No Unk 19b. Have you observed evidence of or do you have any knowledge that any hazardous substances and/or petroleum products, unidentified waste materials have been dumped above grade, buried and/or burned on the property? Yes No Unk Yes No Unk 20. Is there a transformer, capacitor, or any hydraulic equipment for which there are records indicating the presence of PCBs? Yes No Unk Yes No Unk	assessment of the property or facility that indicated the presence of hazardous substances and/or petroleum products on, or contamination of, the property or recommended	Yes	No	Unk	Yes	No	Unk
or administrative proceedings concerning a release or threatened release of any hazardous substances and/or petroleum products involving the property by any owner or occupant of the property? Explain if yes: 18a. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a stormwater sewer system? Explain if yes: 18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a stormwater system? Explain if yes: 18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer system? Explain if yes: 19. Have you observed evidence of or do you have any knowledge that any hazardous substances and/or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property? Explain if yes: 20. Is there a transformer, capacitor, or any hydraulic equipment for which there are records indicating the presence of PCBs?							
Explain if yes: 18a. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a stormwater Yes No Unk Yes No Unk Explain if yes: Explain if yes: 18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer Yes No Unk Yes No Unk 18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer Yes No Unk Yes No Unk 19. Have you observed evidence of or do you have any knowledge that any hazardous substances and/or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property? Yes No Unk Yes No Unk 20. Is there a transformer, capacitor, or any hydraulic equipment for which there are records indicating the presence of PCBs? Yes No Unk Yes No Unk	or administrative proceedings concerning a release or threatened release of any hazardous substances and/or petroleum products involving the property by any owner or	Yes	No	Unk	Yes	No	Unk
No Unk Yes No Unk Yes No Unk Yes No Unk 18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer Yes No Unk Yes No Unk 18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer Yes No Unk Yes No Unk 19. Have you observed evidence of or do you have any knowledge that any hazardous substances and/or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property? Yes No Unk Yes No Unk 20. Is there a transformer, capacitor, or any hydraulic equipment for which there are records indicating the presence of PCBs? Yes No Unk Yes No Unk							
Explain if yes: 18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer system? Yes No Unk Yes No Unk Explain if yes: Explain if yes: 19. Have you observed evidence of or do you have any knowledge that any hazardous substances and/or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property? Yes No Unk Yes No Unk 20. Is there a transformer, capacitor, or any hydraulic equipment for which there are records indicating the presence of PCBs? Yes No Unk Yes No Unk	to the property, other than stormwater, into a stormwater	Yes	No	Unk	Yes	No	Unk
10. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer system? Image: Constraint of the property of the proper							
19. Have you observed evidence of or do you have any knowledge that any hazardous substances and/or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property? Yes No Unk Yes No Unk 20. Is there a transformer, capacitor, or any hydraulic equipment for which there are records indicating the presence of PCBs? Yes No Unk Yes No Unk	to the property, other than stormwater, into a sanitary sewer	Yes	No	Unk	Yes	No	Unk
In the your observed contented on or do you have day knowledge that any hazardous substances and/or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property? Image: Content of the test of	Explain if yes:						·
20. Is there a transformer, capacitor, or any hydraulic Yes No Unk Yes No Unk presence of PCBs?	knowledge that any hazardous substances and/or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been	Yes	No	Unk	Yes	No	Unk
equipment for which there are records indicating the presence of PCBs?	Explain if yes:						
	equipment for which there are records indicating the	Yes	No	Unk	Yes	No	Unk
	Explain if yes:						

Unk – "unknown" or "no response"

Additional Questions

A) Describe the current use of the property. The property has been graded flat, intended for future high density residential development, consistent with the Creekview Specific Plan. Both lots are currently vacant however on lot C-40, a minor amount of construction material (primarily pipe) and equipment have been or may still be temporarily on the site.

B) How long has the property been used for this purpose? Grading on lot C-25 was completed in 2020 and has been vacant since. Lot C-40 was graded in 2021 and is vacant except as described above.

C) How long have you owned the property? Since May, 2019.

D) List the existing structures on the property and their age. There are no structures on the property.

E) Describe the past uses, owners, and operators of the property. (Be as detailed as possible and note approximate time periods.) **Prior to grading of the site in 2020 & 2021, the land sat vacant.**

F) Do any environmental documents exist for the Site such as environmental site assessment reports, environmental compliance audit reports, environmental permits, registrations for storage tank or any other environmentally related documents for the property? This property was included in a Phase 1 ESA for Creekview in May 2013 and a Phase 1 ESA update and Limited Phase 2 ESA for Creekview dated December 2018.

This questionnaire was completed by:

Steve Porter, Anthem Properties		
Director, Development		
dress: 3001 Douglas Blvd., Suite 200		
Roseville, CA 95661		
(916) 960-0240		
December 22, 2022		

APPENDIX C

CULTURAL INFORMATION

From:	Lynch, Jessica
То:	Negrete, Susan H@Parks
Cc:	Joe Baucum; Rod Stinson
Subject:	RE: Section 106 consultation request for Creekview Family Apartments North Project, Roseville
Date:	Wednesday, August 23, 2023 11:16:03 AM
Attachments:	No consultation request.msg

Hello Susan,

I apologize for the mix up on the timing. I will make sure that everyone on our team is aware and work to prevent it in the future.

As for responses, we have so far only received a single response from the Shingle Springs Band of Miwok Indians stating they are not requesting consultation at this time, but they have requested to notified of updates as the project progresses. I have attached that email, which includes a formal letter for your reference. I did notice that they only sent the letter for the Creekview Family Apartments North Project, so I have reached out to them to verify whether or not they are interested in consultation on the Creekview Family Apartments South Project. I have not heard back from them as of yet, but I will forward their response to you once I receive one. I will of course pass along any additional correspondence we receive from the tribes, and keep you updated if we do not receive any additional responses in the next few weeks.

Jessica Lynch Environmental Coordinator Development Services Dept. direct: (916) 774-5352 main: (916) 774-5276

From: Negrete, Susan H@Parks <Susan.Negrete@parks.ca.gov>
Sent: Monday, August 21, 2023 11:28 AM
To: Lynch, Jessica <JJLynch@roseville.ca.us>
Subject: Section 106 consultation request for Creekview Family Apartments North Project, Roseville

EXTERNAL: This email originated from outside of the organization. Do not click on any links or open attachments unless you recognize the sender and know the content is safe.

Hi Jessica,

I was working on your Section 106 consultation today and noticed that the city did not send tribal notifications until July 21, 2023. For future consultations, please wait to submit a Section 106 consultation request until 30 days have passed from the date of Tribal notification. You had not "consulted" with Native groups when you sent the current request. For this consultation, has the City received any comments or concerns from Tribes, and if so, how has the City addressed them?

Best, Susan

Susan Hogue Negrete, Ph.D. State Historian II California Office of Historic Preservation Local Government and Environmental Compliance 1725 23rd Street, Suite 100 Sacramento, CA 95816 <u>Susan.Negrete@parks.ca.gov</u>

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DEPARTMENT OF PARKS AND RECREATION OFFICE OF HISTORIC PRESERVATION

Julianne Polanco, State Historic Preservation Officer 1725 23rd Street, Suite 100, Sacramento, CA 95816-7100

 Telephone:
 (916)
 445-7000
 FAX:
 (916)
 445-7053

 calshpo.ohp@parks.ca.gov
 www.ohp.parks.ca.gov
 www.ohp.parks.ca.gov

August 21, 2023

Refer to HUD_2023_0721_003

Ms. Jessica Lynch Environmental Coordinator City of Roseville 311 Vernon Street Roseville, CA 95678

Re: Request for Section 106 Review of a HUD project for a multi-family construction project, Creekview Family Apartments South, at 2930 Blue Oaks Boulevard, Roseville, CA.

Dear Ms. Lynch:

The California State Historic Preservation Officer (SHPO) received the consultation submittal for the above referenced undertaking for our review and comment pursuant to Section 106 of the National Historic Preservation Act and its implementing regulations found at 36 CFR Part 800. The regulations and advisory materials are located at <u>www.achp.gov</u>.

Undertaking

The proposed project would include the construction of one four-story multi-family residential building. Project infrastructure has already been constructed at the site.

Area of Potential Effects (APE)

The City of Roseville has defined the APE as the 3.88 site at 2930 Blue Oaks Boulevard, Roseville, CA, APN: 017-490-025.

• Pursuant to 36 CFR § 800.4(a)(1), I have no comments on the City of Roseville's APE.

Identification of Historic Properties

The City of Roseville's efforts to identify historic properties included a records search, and a pedestrian archaeological survey. The records search at North Central Information Center indicated that no sites had been previously recorded within the project's APE. A cultural resources pedestrian survey did not identify any potential historic properties.

Tribal Consultation

The City of Roseville received a Sacred Lands File search report for the APE from the Native American Heritage Commission which was negative. The City sent Tribal notification letters on July 21, 2023.

• Please provide to the SHPO any comments or concerns received from the Tribes notified, with the City's responses. The City did not respond to an email request by Susan Negrete to provide this information on August 21, 2023.

• In future, please allow at least 30 days to receive Tribal responses and thereby have an opportunity to consult with Tribes, before initiating the Section 106 consultation process.

Finding of Effect

 The SHPO is unable to comment on the City of Roseville's finding at this time, due to inadequacy of documentation, pursuant to 36 CFR § 800.11(a). Please provide the information requested above, with OHP's file number, to <u>calshpo.hud@parks.ca.gov</u> to continue this consultation.

We appreciate the City of Roseville's efforts to comply with Section 106 of the National Historic Preservation Act, and we look forward to consulting further on this undertaking. If you have questions please contact Susan Negrete, State Historian II, with the Local Government & Environmental Compliance Unit at susan.negrete@parks.ca.gov.

Sincerely,

Julianne Polanco State Historic Preservation Officer

Cc: Jessica Lynch, jjlynch@roseville.ca.us

APPENDIX D

CULTURAL RESOURCES IDENTIFICATION REPORT



Cultural Resources Identification Report for the Creekview Family Affordable Apartments Project Placer County, California

April 2023

A Report Prepared for:

USA Properties Fund, Inc. Milo Terzich 3200 Douglas Blvd., Suite 200 Roseville, CA 95661 Phone: 916.871.3078

Cultural Resources Identification Report for the Creekview Family Affordable Apartments Project Placer County, California

Prepared by:

Jessica Neal, M.A., RPA Ky Fireside, B.S. Alyssa Gelinas, B.A.

KLEINFELDER

2882 Prospect Park Drive, Suite 200 Rancho Cordova, CA 95670 Phone: 916.366.1701

April 2023 Kleinfelder Project No: 20233899.001A

STATEMENT OF CONFIDENTIALITY

This report identifies the locations of cultural resources, which are confidential. As nonrenewable resources, archaeological sites can be significantly impacted by disturbances that can affect their cultural, scientific, and artistic values. Disclosure of this information to the public may be in violation of both federal and state laws. To discourage damage resulting from vandalism and artifact looting, cultural resources locations should be kept confidential and report distribution restricted. Applicable U.S. laws include, but are not limited to, Section 304 of the National Historic Preservation Act (NHPA) (16 USC 470w-3) and California state laws that apply and include, but are not limited to, Government Code Sections 6250 *et seq.* and 6254 *et seq.*

MANAGEMENT SUMMARY

USA Properties Fund, Inc. proposes to construct 284 apartment homes within two parcels, Parcels C-40 (APN 496-620-006-000) and C-43 (APN 017-490-025-000), located at the Creekview Master Planned Community housing subdivision, for the Creekview Family Affordable Apartments Project (Project) in West Roseville, Placer County, California (Appendix A). Since the Project will receive funding through the California Housing Finance Agency (CalHFA), the Project proponent, CalHFA, must also meet the requirements of Section 106 of the National Historic Preservation Act (NHPA), which requires that every federal agency "take into account" the effect of its undertakings on historic properties. As the Project is an "undertaking" as defined in 36 Code of Federal Regulations (CFR) §800.16(y), and the undertaking has the potential to cause effects on historic properties (36 CFR §800.3[a]), it is necessary to identify and evaluate cultural resources within the Area of Potential Effects (APE) for inclusion in the National Register of Historic Places. This Cultural Resources Identification Report is produced compliant with the NHPA Section 106 Standards.

Prior to fieldwork, background research included a search of previously conducted cultural resource studies and findings filed at the North Central Information Center (NCIC) of the California Historical Resources Information System located at California State University in Sacramento, California. The search identified no previously recorded cultural resources and one previous study within the APE. Three previously recorded cultural resources and 13 cultural resource studies were identified within a 0.5-mile radius of the APE.

Kleinfelder contacted the Native American Heritage Commission (NAHC) and requested a Sacred Lands File search of the APE. The NAHC responded on December 22, 2022, that the search returned negative results for the APE and provided a list of Native American contacts for more information regarding the APE (Appendix C).

An intensive pedestrian survey of the APE for direct effects (direct APE) was conducted on December 15, 2022, by Kleinfelder archaeologists Kruger Frank and Paula Samano. The direct APE is located within two separate parcels: Parcels C-40 and C-43 within the Creekview Master Planned Community. The survey was conducted using 10-meter-wide parallel transects resulting in 100 percent survey coverage of the direct APE which is comprised of 3.9-acres on Parcel C-43 and 5.3-acres on Parcel C-40. No cultural resources were identified during the survey within the direct APE. A windshield survey of the APE for indirect effects (indirect APE) on December 15, 2022, did not identify any cultural resources within the indirect APE.

Kleinfelder considers the APE to have a moderate sensitivity for buried prehistoric cultural resources and a low sensitivity for buried historic-era resources. No historic properties were identified within in the direct or indirect APE. Kleinfelder recommends a finding of no historic properties affected for this undertaking.

TABLE OF CONTENTS

<u>Section</u>			<u>P</u> ;	age
STATEN	IENT OF		DENTIALITY	111
MANAG	GEMENT	SUMM	ARY	. IV
1	INTROD	OUCTION	۱	1
	1.1	Project	Description	1
	1.2	Area of	Potential Effects	1
		1.2.1	Direct APE	1
		1.2.2	Indirect APE	2
2	REGUL	ATORY C	ONTEXT	3
	2.1	Section	106 of the National Historic Preservation Act	3
3	NATUR	AL AND	CULTURAL CONTEXT	5
	3.1	Natural	Context	5
	3.2	Prehisto	pric Context	5
		3.2.1	Paleoindian 14,500 to 9,000 BP	5
		3.2.2	Lower Archaic 9,000 to 4,500 BP	6
		3.2.3	Martis Complex 4,500 to 1,500 BP	
		3.2.4	Mesilla Complex 3,000 to 2,000 BP	
		3.2.5	Bidwell Complex 2,000 to 1,200 BP	
		3.2.6	Sweetwater Complex 1,200 to 500 BP	
		3.2.7	Oroville Complex 500 BP to Contact	
	3.3	•	aphy	
	3.4		Context	
			Contact Period (1542 to 1769)	
		3.4.2	Mission Period (1769 to 1822)	
		3.4.3	American Period (1850 to Present)	9
4	BACKG	ROUND	RESEARCH	.11
	4.1	Records	Search	.11
	4.2	Historic	Map Review	
		4.2.1	Historical Map Review Results for Parcel C-40	
		4.2.2	Historical Map Review Results for Parcel C-43	
	4.3	Native A	American Heritage Commission Consultation	.13
			S AND RESULTS	
	5.1		PE Survey	
	5.2	Indirect	APE Survey	.14
6	SENSITI		BURIED RESOURCES	
	6.1		ity for Buried Prehistoric Resources	
	6.2	Sensitiv	ity for Buried Historic Period Resources	.15

7	CONCLUSION1	6
8	PREPARERS' QUALIFICATIONS1	7
9	REFERENCES1	8

TABLES

- 1 Previous Study within the APE
- 2 Previously Recorded Resources within 0.5 Mile of the APE
- 3 Previous Studies within 0.5 Mile of the APE

APPENDICES

- A Project Maps
- B Records Search Results
- C Native American Heritage Commission Results
- D Survey Photographs

Acronyms and Abbreviations

ACHP APE APN BP CalHFA CFR CFR CRHR CSU GLO NAHC NCIC NHPA NO. NRHP Project RPA SHPO	Advisory Council on Historic Preservation area of potential effect(s) Assessor's Parcel Number Before Present California Housing Finance Agency Code of Federal Regulations California Register of Historical Resources California State University Bureau of Land Management General Land Office Native American Heritage Commission North Central Information Center National Historic Preservation Act number National Register of Historic Places Creekview Family Affordable Apartments Project Register of Professional Archaeologists California State Historic Preservation Officer
USGS	United States Geological Survey
WST	Western Stemmed Tradition
10.01	

1 INTRODUCTION

USA Properties Fund, Inc. proposes to construct 284 apartment homes within two parcels located at the Creekview Master Planned Community housing subdivision: Parcel C-40, located at 3440 Westbrook Boulevard, and Parcel C-43, located at 2930 Blue Oaks Boulevard, for the Creekview Family Affordable Apartments Project (Project) in West Roseville, Placer County, California. The following provides an overview of the Project description and Area of Potential Effects (APE).

1.1 PROJECT DESCRIPTION

The Project proposes to construct 284 apartment homes with on-site amenities at Parcels C-40 and C-43 within the Creekview Master Planned Community. Parcel C-40, located at 3440 Westbrook Boulevard (Assessor's Parcel Number [APN] 496-620-006-000), is approximately 5.3 acres and will contain two 4-story buildings with 168 units and at-grade parking. Parcel C-43, located at 2930 Blue Oaks Boulevard (APN 017-490-025-000), is approximately 3.9 acres and will contain one 4-story building with 116 units and at-grade parking. Both parcels are located along Pleasant Grove Creek and have been mass graded by the Master Developer of the subdivision.

1.2 AREA OF POTENTIAL EFFECTS

An APE lies in the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties if any such properties exist (36 Code of Federal Regulations [CFR] §800.16). The APE for this Project includes the APE for direct effects (direct APE), which includes the area of potential ground disturbance and any property, or any portion thereof, that will be physically altered or destroyed by the undertaking and the APE for indirect effects (indirect APE), which consists of the area in which the project has the potential to introduce visual elements that diminish or alter the setting, including the landscape, where the setting is a character-defining feature of a historic property.

The APE is situated in Roseville, California, and is surrounded by developed and undeveloped suburban land as well as rural agricultural land. The APE is identified on the Pleasant Grove, California 7.5-minute quadrangle (U.S. Geological Survey [USGS] 1981) and the Roseville, California 7.5-minute quadrangle (USGS 1992) 1:24,000, Township 11N, Range 5E, in Sections 14, 23.

1.2.1 Direct APE

The direct APE consists of two mass-graded parcels: Parcel C-40, located at 3440 Westbrook Boulevard, and Parcel C-43, located at 2930 Blue Oaks Boulevard. Parcel C-40 at 3440 Westbrook Boulevard is approximately 5.3 acres and is currently utilized as a construction staging area. Parcel C-43 at 2930 Blue Oaks Boulevard is approximately 3.9 acres and contains mixed roadside and construction debris. Grading would require excavation and export of approximately 12,042 cubic yards of cut material. The direct APE includes the Project footprint and the full extent of temporary construction and long-term operation ground disturbance.

1.2.2 Indirect APE

The indirect APE is defined by the radius in which there is potential for the proposed Project to have an adverse effect on historic properties. Factors such as the design of the proposed Project, the density of the surrounding built environment, and the presence of mature trees were taken into consideration when defining the indirect APE. The indirect APE to be evaluated for impacts to cultural resources and historic properties for this undertaking extends one parcel in all directions from the direct APE.

2 REGULATORY CONTEXT

This section provides the federal regulations and ordinances that are applicable to cultural resources compliance on the Project. Since the Project will receive funding through the California Housing Finance Agency (CalHFA), the Project proponent must meet requirements of Section 106 of the National Historic Preservation Act (NHPA), which requires that every federal agency "take into account" the effect of its undertakings on historic properties. As the Project is an "undertaking" as defined at 36 CFR §800.16(y), and the undertaking has the potential to cause effects on historic properties (36 CFR §800.3[a]), it is necessary to identify and, if present, evaluate cultural resources within the APE for inclusion in the National Register of Historic Places (NRHP). This Cultural Resources Identification Report is produced in compliance with the NHPA Section 106 Standards.

2.1 SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT

Section 106 of the NHPA (36 CFR §800) requires that projects undertaken by federal agencies (and/or federally funded projects or projects requiring federal approval) consider the effects of their actions on properties that may be eligible for listing or are listed in the NRHP. To determine whether an undertaking could affect NRHP-eligible properties, cultural resources (including archaeological and architectural properties) must be inventoried and evaluated for listing in the NRHP. Although compliance with Section 106 is the responsibility of the lead federal agency, consultants in support of the agency or project proponent may be delegated all or portions of the Section 106 process. The Creekview Family Affordable Apartments Project is subject to Section 106 since funding will be received through CalHFA. The Section 106 process includes four primary steps, listed below.

- 1. Initiation of consultation with consulting parties (36 CFR §800.3).
- 2. Identification and evaluation of historic properties within the APE (36 CFR §800.4).
- 3. Assessment of adverse effects on historic properties within the APE (36 CFR §800.5). If there are historic properties that will be affected, consult with the California State Historic Preservation Officer (SHPO) regarding adverse effects, both direct and indirect, on historic properties. If there are no historic properties that will be affected, implementation of the project in accordance with the findings of no adverse effect shall proceed (36 CFR 36 §800.5[d][1]).
- 4. Resolve adverse effects on historic properties within the APE (36 CFR 800.6). Continue consultation among the federal agency and consulting parties to avoid and mitigate adverse effects. The Advisory Council on Historic Preservation (ACHP) provides comments to head of the federal agency, and the ACHP comments must be considered when final agency decision on the undertaking is made (move forward with the project, stop pursuant to mitigation, step back through Section 106 process) (36 CFR 800.7).

National Register of Historic Places Criteria for Evaluation

The significance of cultural resources is determined using the NRHP's four Criteria for Evaluation (Criteria A–D) at 36 CFR 60.4, which state that a historic property is any site, building, structure, or object that:

- A. Is associated with events that made a significant contribution to the broad patterns of our history (Criterion A);
- B. Is associated with the lives of persons significant to our past (Criterion B);

- C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represents the work of a master, or that possesses high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction (Criterion C); and/or
- D. Has yielded, or may be likely to yield, information important in prehistory or history (Criterion D).

If the SHPO determines that a cultural resource is eligible for inclusion in the NRHP, then it is automatically eligible for the California Register of Historic Resources (CRHR). If a resource does not have the level of integrity necessitated by the NRHP, it may still be eligible for the CRHR, which allows for a lower level of integrity.

NRHP Seven Aspects of Integrity

Cultural resources integrity is determined using the NRHP's seven aspects of integrity at 36 CFR 60.4, which state that a historic property must not only be shown to be significant under the NRHP criteria, but it also must retain historic integrity. The seven aspects of integrity include location, design, setting, materials, workmanship, feeling, and association. A property must meet one or more of the Criteria for Evaluation before a determination can be made about its integrity.

3 NATURAL AND CULTURAL CONTEXT

This section presents background information pertaining to the natural and cultural context of the APE, as well as an overview of regional prehistory, ethnography, and history.

3.1 NATURAL CONTEXT

Placer County covers an area of approximately 1,502 square miles. It contains parts of the Sierra Nevada Mountains, Lake Tahoe, the American and Yuba rivers, Eldorado and Tahoe national forests, and the Sacramento Valley. It is bordered on the east by Nevada's Washoe County, Carson City, and Douglas County; to the south by El Dorado and Sacramento counties; to the west by Sutter County; and to the north by Yuba and Nevada counties. Elevation ranges from near sea level in the valley to over 9,000 feet at the peak of Mount Baldy.

The city of Roseville sits in the Sacramento Valley at an elevation around 160 feet. It is a developed suburban landscape with some areas still reserved for agricultural use. The climate is characterized by hot, dry summers and cool, wet winters (National Weather Service 2023). The APE consists of dark brown to dark yellowish brown fine silty and fine sandy loam soils and grasses.

3.2 PREHISTORIC CONTEXT

The following sections present the detailed chronological sequence of cultural complexes for the APE: Paleoindian (14,500–9,000 Before Present [BP]), Lower Archaic (9,000–4,500 BP), Martis (4,500–1500 BP), Mesilla Complex (3000–2000 BP), Bidwell Complex (2000–1200 BP), Sweetwater Complex (1200–500 BP), and the Oroville Complex (500 BP–Contact).

3.2.1 Paleoindian 14,500 to 9,000 BP

The Paleoindian Period spans the terminal Pleistocene and early Holocene. At the end of the Pleistocene, global temperatures warmed, glaciers melted, and ice sheets retreated (Meltzer 2009). One of the earliest securely dated and widely accepted archaeological resources that provide evidence for human occupation in North America is the Paisley Caves in Oregon (Grayson 2011). The Paisley Caves are a series of rock shelters that contained stone tools, Pleistocene megafauna, and coprolites containing human deoxyribonucleic acid (DNA) that have been dated to approximately 14,200 BP (Jenkins et al. 2012). This resource suggests a human presence in the Americas before the emergence of Clovis technology (Grayson 2011:63). Clovis points date from approximately 13,550 to 12,800 BP (Beck and Jones 2010; Haynes 2002; Waters and Stafford 2007), and basally thinned and fluted variants persist until approximately 11,550 BP (Fiedel 1999). Western Stemmed Tradition (WST) points date from approximately 13,240 to 9,000 BP (Beck and Jones 2010, 2012). Faunal assemblages most often associated with Clovis points consist of large mammals, such as mammoth and bison, while those associated with WST points are most often made up of medium-to-small mammals and aquatic resources.

Archaeological evidence indicates that the prehistory of northeast California extends at least as far back as 12,000 to 13,000 years ago (McGuire 2007). Temporally diagnostic artifacts dating to the Paleoindian

Period in the region are represented by a single fluted projectile point and a handful of WST projectile points (Nilsson et al. 1996).

3.2.2 Lower Archaic 9,000 to 4,500 BP

The Lower Archaic Period became warmer and drier, and the warmer climate contributed to a population increase in the foothill valleys and the movement of Hokan-speaking people into the higher mountain valleys (Kowta 1988). Subsistence remains from this time demonstrate a shift toward hunting more medium-sized mammals, such as deer and pronghorn. The increased frequency of ground stone items, such as handstones and millingslabs, are evidence of a broadening of the resource base, with a larger proportion of the diet attributed to small seeds and plant materials (Compas 2002).

3.2.3 Martis Complex 4,500 to 1,500 BP

The Middle and Upper Archaic Periods are better represented archaeologically than preceding periods; they are divided here by their regional cultural chronology. Based on the numerous prehistoric resources located in the Lake Oroville and Feather River area, Selverston et al. (2005) developed a chronological sequence for the prehistoric cultural development specific to the Oroville and Feather River regions located approximately 25 miles northwest of the APE. This sequence recognizes four separate complexes: Mesilla, Bidwell, Sweetwater, and Oroville (Compas 2002).

The Martis Complex is primarily found in the central Sierra Nevada (Compas 2002). Martis pre-dates and overlaps with the Mesilla Complex. Both display technological similarities, including the use of handstones and millingslabs, and later the introduction of the mortar and pestle, and the use of similar leaf-shaped, stemmed, and corner-notched projectile points (Compas 2002:91). However, they differ in that Martis technology also utilizes wide-stemmed points, blades, and scrapers, with a heavy reliance on basalt and metavolcanic materials (Compas 2002:91). The profuse use of basalt is one of the main distinguishing characteristics that separates Martis from other complexes.

3.2.4 Mesilla Complex 3,000 to 2,000 BP

The Mesilla Complex dates from 3,000 to 2,000 BP and was primarily located in the Lake Oroville area, along the Feather River. Situated in the foothills, the resources from this period contain numerous handstones and milling slabs, and few pestles and mortars. Evidence of hunting is inferred from the presence of atlatl and dart points, specifically large leaf-shaped, stemmed, and side-notched points of basalt, slate, and chert. Olivella and Haliotis shell beads, charm stones, bone pins, and spatulae are also identified within the assemblages. In addition, burials were placed in flexed positions on their sides, several of which were marked by milling stones and rock cairns. This Mesilla Complex appears to coincide with the chronology and burial practices of the Middle Horizon for the Central Valley; however, it lacks the abundance of mortar and pestles often attributed to this sequence (Selverston et al. 2005).

3.2.5 Bidwell Complex 2,000 to 1,200 BP

The Bidwell Complex dates from approximately 2,000 to 1,200 BP, with archaeological resources appearing as relatively permanent settlements. Implements for food harvesting and preparation, such as

grooved and notched sinker stones, milling slabs, wooden mortars, and steatite vessels, indicate an increasingly sedentary lifestyle, unlike the more temporary and seasonal settlements of the Mesilla Complex. The Bidwell Complex burial areas become increasingly defined as flexed burials found in formal cemeteries. Projectile points are typically large stemmed or corner-notched points manufactured from slate and basalt. Cultural deposits dating from this complex tend to be the result of an increase in reliance on hunted animals and plant foods, similar to the Middle Horizon sequence in other parts of Central California.

3.2.6 Sweetwater Complex 1,200 to 500 BP

The Sweetwater Complex, named after the archaeological resource of the same name (CA-Butte [BUT]-90), coincides with the introduction of the bow and arrow, and ranges from about 1,200 to 500 BP. Artifacts in this assemblage include small notched and stemmed projectile points (indicative of the advent and spread of bow and arrow usage), and mortars and pestles, which signify an increased dietary dependence on acorns. There is a significant decrease in the presence of small seed processing equipment, such as milling slabs and handstones. During this period, artifact assemblages show an increase in decorative artifacts, such as Olivella beads and Haliotis ornaments, as well as a variety of bone implements, including awls, flakers, fish gorges, pins, tubular beads and steatite cups, platters, bowls, and smoking pipes. The increase in ornamental objects in the archaeological record suggests a shift in the social organization of the population. An increase in craft specialization and decorative objects has been attributed to shifts in social stratification and an increase in sedentism from more mobile hunter-gatherer societies (Jones and Klar 2007).

3.2.7 Oroville Complex 500 BP to Contact

The Oroville Complex dates from approximately 500 BP to contact with Europeans and is associated specifically with the Maidu group, particularly the Konkow or Northwestern Maidu. During this time, the toolkit represents an intensification of fishing, hunting, and harvesting of acorns. This is evidenced by the use of fishing equipment, such as hooks and gorges, the emergence of Desert-series projectile points, and an abundance of bedrock mortars. This complex is representative of numerous Late Period resources across California, which demonstrates a significant shift in settlement, subsistence, and technology, believed to be the result of a general increase in population, resource competition, a more regularized exchange system, including shell bead money, and an increase in evidence of ceremonialism. Spanish explorers and the influx of Euro-American settlers caused significant cultural disruption to the native populations who followed this adaptation in the 1800s.

3.3 ETHNOGRAPHY

Ethnographically, the APE was part of the territory of the Nisenan (Kroeber 1925; Wilson and Towne 1978). Nisenan is part of the California Penutian linguistic family, which is further divided into four subfamilies: Wintuan, Maiduan, Yokutsan, and Utian. Nisenan belongs to the Maiduan subfamily along with Maidu and Konkow (Shipley 1978). The territory of the Nisenan, which included the drainage of the American River, extended from the crest of the Sierra Nevada in the east to the Sacramento River in the west, as far south as the Cosumnes River, and north to the divide of the North Fork of the Yuba River and Middle Fork of the Feather River (Jordan 2015; Wilson and Towne 1978).

Nisenan is divided into the Hill and Valley socio-political groups, which were further divided into "tribelets" that exerted political control over particular geographical areas. Valley Nisenan usually located their settlements on low, natural rises, knolls along streams and rivers, or on gentle slopes with southern exposures. Nisenan lived in semi-permanent settlements, consisting of one village, or a number of smaller villages clustered around one large village. Family groups often lived away from the main village and had seasonal camps for resource procurement (Wilson and Towne 1978:388–389). Nisenan lived in houses that were conical shaped with coverings of bark, skins, and brush. Brush shelters were used in the summer and during gathering excursions. Most villages had bedrock mortar resources and acorn granaries (Jordan 2015; Wilson and Towne 1978:388–389).

Nisenan relied heavily on acorns, local game, and fish for subsistence. Acorns were gathered communally or individually. Deer, bear, salmon, birds, and rabbits were important in the Nisenan diet, along with insects, such as grasshoppers, crickets, and locusts. Freshwater mussels were also eaten, along with a variety of berries, wild plums, grapes, and manzanita cider was a preferred beverage (Jordan 2015; Kroeber 1925:409–411; Wilson and Towne 1978:388).

Stone tools used by the Nisenan included knives, projectile points, arrow straighteners, scrapers, pestles, mortars, and pipes (Wilson and Towne 1978:391). Wooden digging sticks were used for procuring roots and other food resources, and wooden mortars were used for food preparation (Kroeber 1925:413-414). Tule was used for mats, netting, fish nets, and canoes. Willow and redbud were preferred materials for weaving baskets. Baskets were used for food storage and cooking, cradles, seed beaters, and cages (Jordan 2015; Wilson and Towne 1978:391).

Nisenan first came into contact with Europeans upon the arrival of the Spanish in the late 1700s. Contact was limited to the southern edge of this territory, and the effect was minimal (Wilson and Towne 1978:396). It was not until 1833, when a malaria epidemic swept through the Sacramento Valley, that the Nisenan began to feel the effects of encroaching Europeans. The epidemic was estimated to have killed 75 percent of the Valley Nisenan population, eliminating entire villages (Wilson and Towne 1978:396). Nisenan suffered further during the years following the Gold Rush when non-native peoples competed for land and resources, killing and persecuting the Nisenan, and driving survivors into the hills (Jordan 2015; Wilson and Towne 1978:396).

3.4 HISTORIC CONTEXT

The following section presents the historic context around the APE, which includes the Contact Period (1542 to 1769), the Mission Period (1769 to 1822), the Rancho Period (1822 to 1850), the American Period (1850 to Present), and the history related specifically to the APE.

3.4.1 Contact Period (1542 to 1769)

In 1542, Juan Sebastian Cabrillo was the first of the exploring Europeans to sail along the California coast. During the next 125 years, the Native Americans of California had sporadic contact with European explorers. The Portolá expedition left San Diego on July 14, 1769, becoming the first Europeans to explore by land what is now California (Browning 1992). Additionally, a network of trails existed near the Placer County region that were used by the Maidu peoples prior to the arrival of John C. Fremont. When Fremont arrived in the area, he described the Maidu, their villages, and how they provided aid to his expedition (Hoover et al. 1990).

3.4.2 Mission Period (1769 to 1822)

The arrival of the Spanish and subsequent establishment of the missions marked the start of the rapid decline of Native American tribal life across California. Many factors led to the destruction of native culture, including the significant decimation of the population from introduced European diseases, and the replacement of the traditional social, subsistence, and settlement patterns by newly introduced mission systems, which created a dramatic disruption to traditional Native American life ways. In addition, the introduction of European plants and animals resulted in the alteration of the landscape upon which Native American culture depended.

The mission system was initiated, in part, as a way for Spain to manage the indigenous populations of Alta California, and to convert the native people of California into Catholic citizens of Spain (referred to as neophytes). In the charter of the Alta California Missions, there was a written stipulation that stated that 10 years after the establishment of a mission, the land and holdings would be transferred to the Indians for their benefit. This never came to pass (Lightfoot 2005). The northernmost missions in California were established as follows: Mission Dolores (San Francisco de Asís) in San Francisco in 1776, Mission San Rafael Arcángel in San Rafael in 1817, and Mission San Francisco Solano in Sonoma in 1823. Another plan for a mission in the Santa Rosa area was abandoned in 1827. All three of these missions are located approximately 100 miles west from the Project area, and although there was no direct association between these missions and the Maidu tribes, native peoples fleeing the missions and soldiers did spread disease, which likely eventually affected native populations throughout California (Milliken 1995; Silliman 2000, Lightfoot 2005).

In 1815, Russian explorers from the north were moving through the Sacramento River canyon, and it is possible that this may have been the Native peoples of this area's first exposure to European settlers and influence (Smith 1991). Russians occupied Fort Ross on the coast from 1812 until its abandonment in 1839.

3.4.3 American Period (1850 to Present)

It is estimated that in 1849 roughly 90,000 people came to California (which officially became a state in 1850), and by 1855 almost 300,000 had arrived from around the United States and abroad, including Mexico, South America, China, the United Kingdom, and Hawai'i. This influx of non-native people severely disrupted the cultures of the indigenous populations and had a significant impact on the natural environment. The discovery of gold in the Sierra Nevada by Euro-Americans ignited a major population increase in the northern half of California, specifically throughout the Sacramento River Valley, as immigrants poured into the territory seeking gold or the opportunities it presented. Native Americans, who amounted to roughly half of the mining labor force, were driven out of the mines as early as 1849. As the competition for mining rights or claims heated up, Native American miners were relegated to the margins (Cornford 1999:86-87). Gold mining camps and settlements sprang up overnight, drastically altering freshwater systems and creating a shortage of ranch workers who rushed off to seek their fortunes in the mines. This sudden loss of the ranch workforce, along with a significant increase in Euro-

American squatters on the ranch lands, would ultimately contribute to the disintegration of the Mexican land grant system and eventual division and sale of land grant properties (Robinson 1979).

After gold was found in the Auburn Ravine in 1848, mining settlements such as Oregon Bar, Ophir, and Stony Bar developed along the rivers that eventually traversed Placer County (Thompson & West 1882). The term "placer" translates in Spanish to "sandbar" and refers to the surface mining of stream bed deposits using water and gravity (Rodgers 1980). Placer County formed in 1851 from portions of Sutter and Yuba counties; its county seat of Auburn was a former mining camp established in 1849 (ibid). Alta, Dutch Flats, and Gold Run continued to be mined into the late 19th century, however, agriculture and lumbering soon replaced mining primary sources of income (Thompson & West 1882). A line of westerly towns that included Rocklin, Newcastle, Auburn, and Colfax comprised a "fruit belt" along the Central Pacific Railroad (Placer County Immigration Society 1886). Apples, grapes, and other fruits comprised large acreages until the mid-1930s, when livestock and poultry production increased (Rodgers 1980).

The city of Roseville, where the Project is located, was formerly a railroad town containing a station for the Central Pacific Railroad. Its early industries centered around railroad construction, fruit production, and eventually fruit shipping using rail lines (Davis 2023). Roseville is now the most populous city in Placer County, with a population of over 150,000 people (City of Roseville 2023).

4 BACKGROUND RESEARCH

The methods and results of the records search and historical map review are described in detail below.

4.1 RECORDS SEARCH

A records search of the APE and a 0.5-mile buffer around the APE was conducted by the North Central Information Center (NCIC) at California State University (CSU), Sacramento, in Sacramento, California, of the California Historical Resources Information System (NCIC File number PLA-22-126) on December 12, 2022 (Appendix B). The purpose of the record search was to identify if any prehistory and/or historic-period cultural resources and studies had been previously documented in the study area in order to better understand the archaeological sensitivity of the area.

The records search indicated that zero previously recorded cultural resources and one cultural resource study (Table 1) were identified within the APE. Three previously recorded resources (Table 2) and 13 cultural resources studies (Table 3) were identified within 0.5-mile of the APE.

TABLE 1: Previous Study within the APE				
Report No. Date Author			Title	
11732	2010	Peak & Associates Inc.	Determination of Eligibility and Effect for the Proposed Creekview Development, Northwest Roseville Area, Placer County, California	

TABLE 2: Previously Recorded Resources within 0.5 Mile of the APE			
Site No.	Age Description		
P-31-000263	Prehistoric	Lithic scatter	
CA-PLA-000137	Frenistone		
P-31-001217	Historic	Refuse scatter	
P-31-003677 Historic Harvester/hay bailer			

TABLE 3: Previous Studies within 0.5 Mile of the APE					
Report No.	Date	Author	Title		
2698 1995		Baker, Cindy and	Cultural Resources Investigation for the Villages at Blue		
2098	1993	James Gary Maniery	Oaks , Phase 1, Placer County		
	2001	Maniery, James Gary,	Cultural Resources Investigation of the		
2699		Cindy Baker, Tracy	Westpark/Fiddyment Ranch and Live Oak		
2099		Bakic, and Mary	Enterprises/Signature Property Development Project,		
		Maniery	Placer County		
2807	2001	Hatoff, B. and A.	Roseville Energy Facility Cultural Resources Appendix J		
2007	2001	Wesson	of Application for Certification		

TABLE 3: Previous Studies within 0.5 Mile of the APE				
Report No.	Date	Author	Title	
2808	2001	Hatoff, B. and A. Wesson	Historic resources Inventory and Evaluation Report, Roseville AFC	
3870	1993	Werner, Roger H.	Record Search And Field Survey For The Roseville Regional Waste Water Master Plan/Environmental Impact Report Cultural Resources Analyses	
6698	2005	Jensen, Sean Michael	Archaeological Inventory Survey Proposed Regional University Development Project, c. 2,200 acres near Roseville, Placer County, CA	
7609	2002	Baker, Cindy L.	Historical Evaluation of the Fiddyment Ranch Road, Placer County, California	
7625	2002	Hale, Mark R.	Archaeological Reconnaissance of the 1,329-acre Reason Farms, for the City of Roseville, Placer County, California	
9912	2008	ECORP	Cultural Resources Survey, Amoruso Property, Placer County, California, Project No. 2007-224	
10062	2009	Guerrero, Marcus and Lisa Westwood	Confidential Cultural Resources Survey Report Blue Oaks Boulevard / Westpark Drive Extensions Placer County, California Project No. 2007-238	
11450	2012	Peak & Associates	Cultural Resources Assessment of the Proposed Blue Oaks Boulevard Extension in the Northwest Roseville Area, Placer County, California	
12193	2016	Nancy E. Sikes, Dylan Stapleton, and Cindy J. Arrington	Cultural Resources Inventory and Effects Assessment for the City of Roseville Pleasant Grove Wastewater Treatment Plant Project, Placer County, California	
12505	2016	Windmiller, Ric and Kenneth L. Finger	Placer County Tourism Regional Sports Complex Cultural Resources Inventory and Evaluation, Roseville, Placer County, California	

4.2 HISTORIC MAP REVIEW

Kleinfelder reviewed historical maps depicting features such as towns, roads, buildings, and creeks to provide additional information regarding the potential for the presence of historic-era cultural resources within the APE. Historic maps are available at several online repositories, in particular the USGS repository and the U.S. Department of the Interior Bureau of Land Management General Land Office (GLO) Records. The following sources were consulted during the historical map review:

- T11N R5E S14, Mount Diablo Meridian (GLO 1855).
- Sacramento, California. 1:125,000 scale topographic quadrangle (USGS 1891).
- Pleasant Grove, California. 1:31,680 scale topographic quadrangle (USGS 1910).
- Pleasant Grove, California. 1:24,000 scale topographic quadrangle (USGS 1953/1962)
- Historic Aerial of Project Area (Historical Aerials 1947and 1966)

4.2.1 Historical Map Review Results for Parcel C-40

- The 1855 GLO Plat depicts Dry Creek in its current alignment. An unlabeled road is depicted running to the south and east of the APE on the southern side of Dry Creek. No buildings, structures, or other locations of previous historic activities are noted (GLO 1855).
- The 1891 quadrangle shows Pleasant Grove Creek running south of the APE, in the current alignment of Dry Creek. No buildings, structures, or other locations of previous historic activities are noted (USGS 1891).
- The 1910 quadrangle shows Pleasant Grove Creek in the same alignment. A single structure is noted approximately 2,000 feet west-northwest of the parcel, and another structure is noted approximately 2,050 feet to the east-northeast of the parcel (USGS 1910).
- The 1947 aerial imagery shows what appears to be agricultural land within the APE; no buildings or structures are noted (Historic Aerials 1947).
- The 1953 quadrangle shows that Pleasant Grove Creek maintains its alignment. No buildings, structures, or other locations of previous historic activities are noted with the APE (USGS 1953).
- The 1966 aerial imagery shows that the region remains agricultural land, and there is no development of the parcel (Historic Aerials 1966).

4.2.2 Historical Map Review Results for Parcel C-43

- The 1855 GLO Plat depicts Dry Creek in its current alignment. No buildings, structures, or other locations of previous historic activities are noted (GLO 1855).
- The 1891 quadrangle depicts a creek labeled "Pleasant Grove Creek" running north of the APE, in the current alignment of Dry Creek. No buildings, structures, or other locations of previous historic activities are noted (USGS 1891).
- The 1910 quadrangle shows that Pleasant Grove Creek maintains its alignment, and that an unimproved road or foot path runs east-west immediately south of the parcel in the current alignment of Blue Oaks Boulevard (USGS 1910).
- The 1947 aerial imagery shows what appears to be agricultural land within the APE; no buildings or structures are noted (Historic Aerials 1947).
- The 1953 quadrangle shows that Pleasant Grove Creek maintains its alignment. No buildings, structures, or other locations of previous historic activities were noted with the APE (USGS 1953).
- The 1966 aerial imagery shows that the region has remained agricultural land, and there is no development of the parcel (Historic Aerials 1966).

4.3 Native American Heritage Commission Consultation

On December 12, 2022, Kleinfelder sent a Sacred Lands File search and Native American Contacts List Request form to the Native American Heritage Commission (NAHC). The NAHC responded on December 22, 2022, that the search returned negative results for the APE. The NAHC Native American contacts list is provided in Appendix C for use by CalHFA, the Project proponent, in support of meeting their Section 106 obligations for Native American consultation.

5 FIELD METHODS AND RESULTS

The following summarizes the results of the survey of the direct and indirect APE.

5.1 DIRECT APE SURVEY

On December 15, 2022, an intensive pedestrian survey of the direct APE, Parcels C-40 and C-43, was completed by Kleinfelder archaeologists Kruger Frank and Paula Samano. The survey was completed using 10-meter-spaced transects, with close inspection given to all exposed ground soils and cut banks for the presence of archaeological materials. Both parcels were photographed using a high-resolution digital camera, and field observations were captured in written notes (Appendix D). The parcels were accessible by foot, and 100 percent of the direct APE was surveyed.

Ground visibility was approximately 90 percent due to vegetation, standing water, and equipment staging. Soils varied between dark brown and dark yellowish brown (10YR 3/3-3/4) fine silty and fine sandy loam with 2 percent rounded pebbles. No cultural resources were identified as a result of the survey.

5.2 INDIRECT APE SURVEY

A windshield survey of the indirect APE was conducted on December 15, 2022. The windshield survey confirmed the results of background review of historical aerial imagery and historical maps review, which did not identify any buildings or structures 45 years or older within the indirect APE.

6 SENSITIVITY OF BURIED RESOURCES

A desktop analysis of the direct APE was conducted to assess the potential for buried archaeological deposits. Kleinfelder has reviewed the direct APE for cultural resource sensitivity levels rated low, moderate, or high based on the results of the archival research, records search results, regional environmental factors, and historic and modern development.

6.1 SENSITIVITY FOR BURIED PREHISTORIC RESOURCES

The APE is adjacent to Dry Creek, with parcel C-40 approximately 100 feet north of the creek and parcel C-43 approximately 120 feet southwest of the creek. The Nisenan established villages in the fertile lowlands along rivers and streams; although no archaeological resources have been recorded within the APE, the general region and setting near the creek have evidence of dense Native American occupation. A previously recorded prehistoric resource, P-31-000263, is located approximately 400 feet east of parcel C-43 and 1,900 feet southeast of Parcel C-40. Subsurface testing in 2010 within the vicinity of the site did not identify any subsurface component (Peak et al. 2010).

The direct APE has been heavily disturbed by both agricultural use and recent mass grading. Despite the heavy disturbance, Kleinfelder considers the APE to have a moderate sensitivity for buried prehistoric resources due to its proximity of Dry Creek and the presence of prehistoric resources within the Project vicinity.

6.2 SENSITIVITY FOR BURIED HISTORIC PERIOD RESOURCES

The APE has been historically used for agricultural purposes, and a review of historical maps and aerial imagery did not identify any buildings, structures, or other locations of additional previous historic activities depicted within the APE. As such, Kleinfelder considers the APE to have a low sensitivity for buried historic-era resources.

7 CONCLUSION

The cultural resource identification report for the Creekview Family Affordable Apartments Project included a review of the natural and cultural environment including the prehistory, ethnography, and history; a review of historic maps; record search results from the NCIC; consultation with the NAHC; and a pedestrian survey. Kleinfelder considers the APE to have a moderate sensitivity for buried prehistoric cultural resources and a low sensitivity for buried historic-era resources.

As a result of these efforts, no historic properties were identified within in the direct or indirect APE. Kleinfelder recommends a finding of no historic properties affected for this undertaking.

8 PREPARERS' QUALIFICATIONS

Kleinfelder Archaeologists Jessica Neal, Alyssa Gelinas, and Ky Fireside contributed to this report.

Ms. Neal has a Bachelor of Science degree in anthropology from Loyola University Chicago and a Master of Arts degree in Maritime Archaeology from the University of Southern Denmark. She is a registered professional archaeologist (RPA #17230) and a member of the Society for California Archaeology. She meets the Secretary of the Interior's Standards for prehistoric and historical archaeology. Ms. Neal has 9 years of experience in cultural resources management, including project management, personnel management, field survey, excavation and data recovery, laboratory analysis, collections management, and geographic information system applications in environmental planning. She has experience in preparation of archaeological research, built environment, and archaeological evaluations for inclusion in the NRHP and CRHR, and survey, testing, excavation, and monitoring reports pursuant to the requirements of California Environmental Quality Act, Section 106 of the NHPA, and the National Environmental Policy Act.

Ms. Gelinas has a Bachelor of Arts degree in anthropology from the University of California Santa Cruz. She is a member of the Society for California Archaeology and the Santa Cruz Archaeological Society. Ms. Gelinas has 4 years of experience in cultural resources management. Her experience includes construction monitoring, collections management, Department of Parks and Recreation 523 forms preparation, excavation and data recovery, field survey, laboratory analysis, and site identification and recording.

Mx. Fireside has a Bachelor of Science degree in anthropology with a biology minor from the University of Oregon. Mr. Fireside has 4 years of experience in cultural resources management consisting of construction monitoring, Department of Parks and Recreation 523 forms preparation, excavation and data recovery, field survey, laboratory analysis, and site identification and recording.

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United States Geological Survey (USGS)

- 1891 Sacramento, Calif. 1:125,000 scale topographic quadrangle.
- 1910 Pleasant Grove, Calif. 1:31,680 scale topographic quadrangle.
- 1953 Berenda, Calif. 1: 24,000 scale topographic quadrangle.

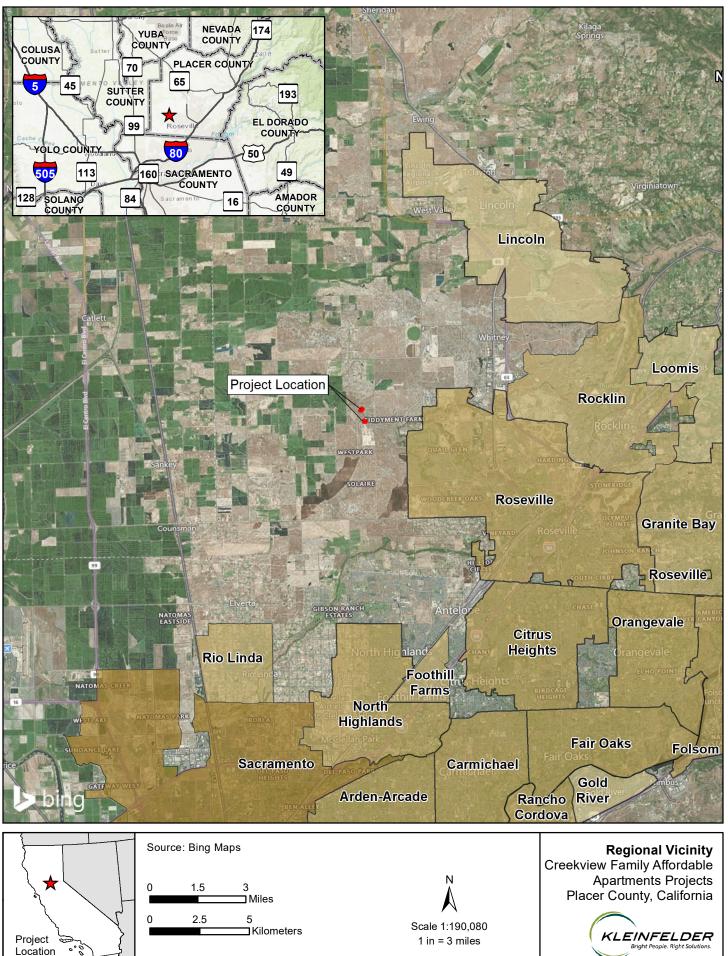
Waters, M. R. and T. W. Stafford Jr

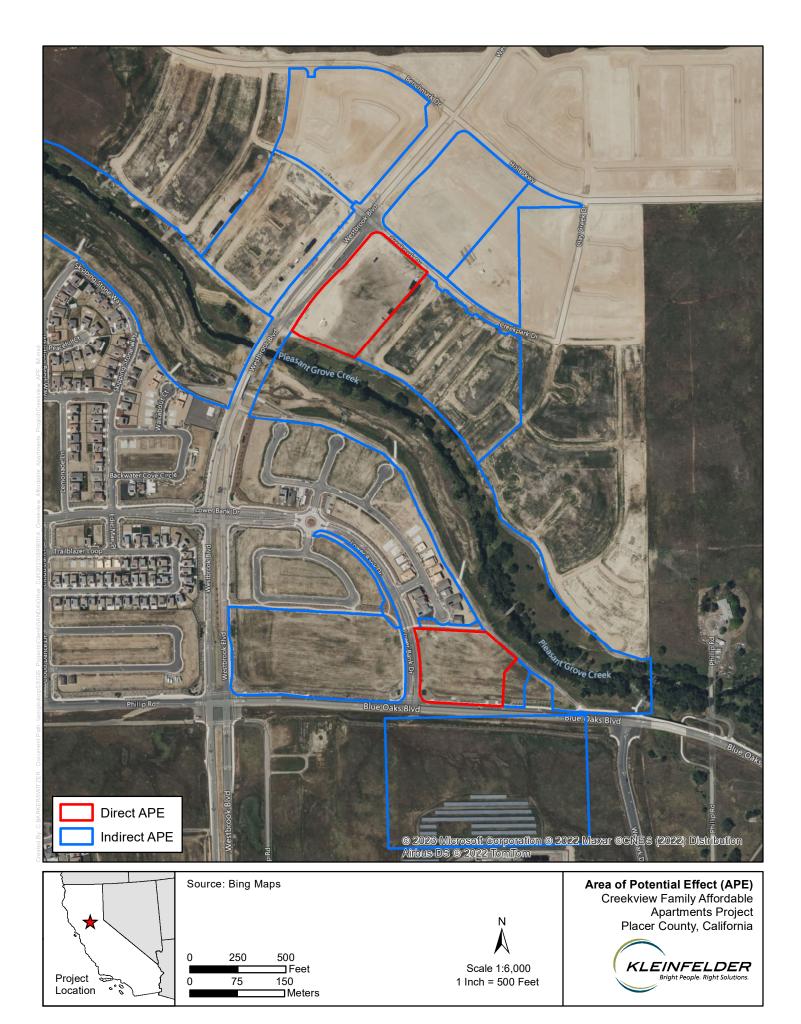
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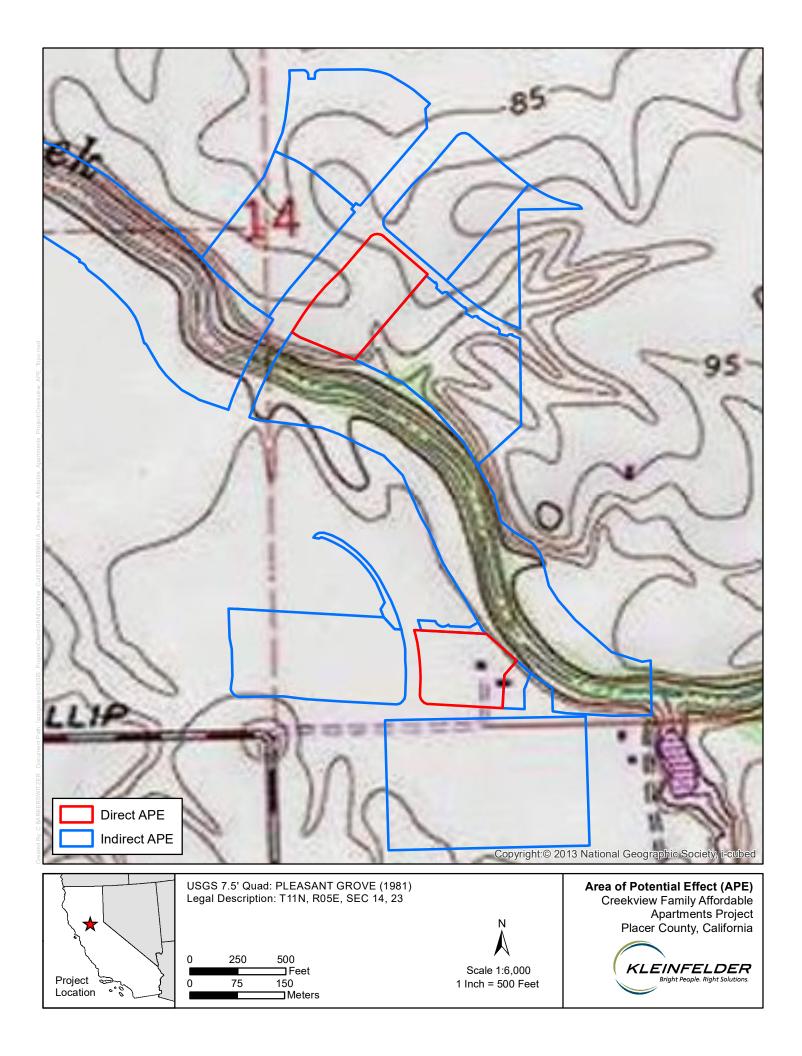
Wilson, Norman L., and Arlean H. Towne

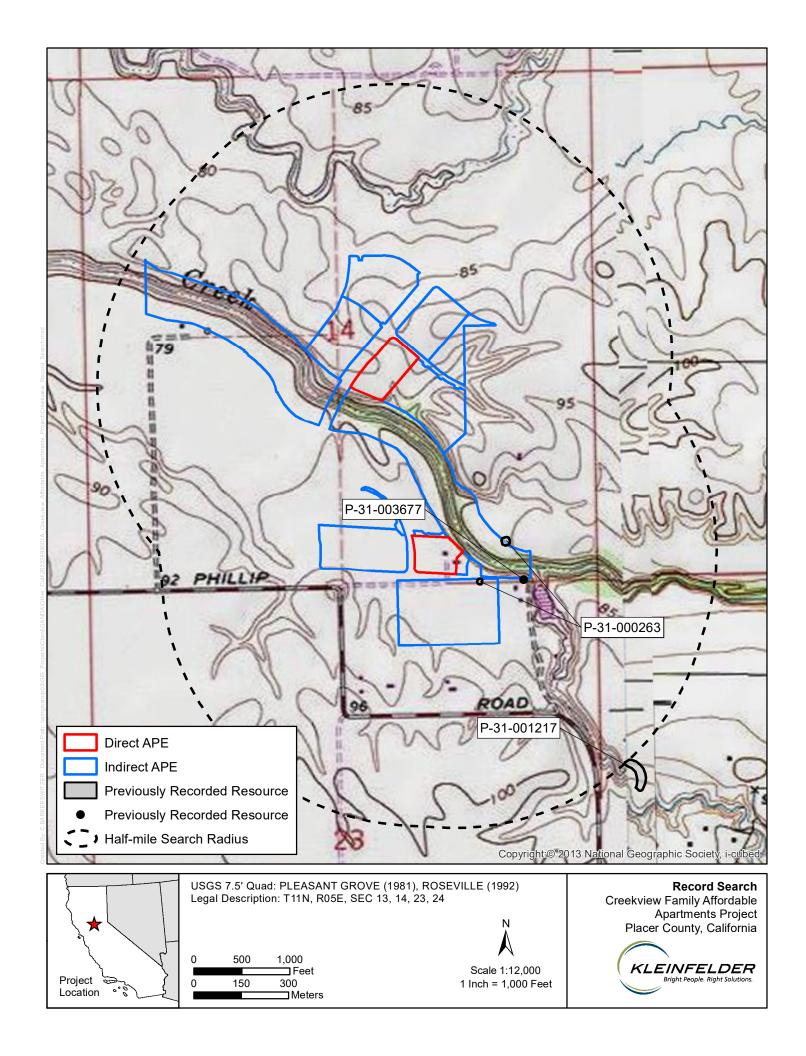
1978. Nisenan. In California, edited by Robert F. Heizer, pp. 387-397. Handbook of North American Indians, Volume 8, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C. **APPENDIX A**

Project Maps







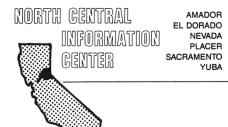


APPENDIX B

Records Search Results

Confidential

California Historical Resources Information System



California State University, Sacramento 6000 J Street, Folsom Hall, Suite 2042 Sacramento, California 95819-6100 phone: (916) 278-6217 fax: (916) 278-5162 email: ncic@csus.edu

NCIC File No.: PLA-22-126

12/12/2022

Jessica Neal Kleinfelder 2882 Prospect Park, Suite 200 Rancho Cordova, CA 95670

Re: Creekview Family Affordable Apartments Project

The North Central Information Center (NCIC) received your records search request for the project area referenced above, located on the Pleasant Grove USGS 7.5' quad. The following reflects the results of the records search for the project area and a ¹/₂-mi radius.

As indicated on the data request form, the locations of resources and reports are provided in the following format: \Box custom GIS maps \boxtimes GIS data

	-		
Recorded resources within project area:	None		
Recorded resources outside project area, within radius:	P-31-263 P-31-1217 P-31-3677		
Known reports within project area:	11732		
Known reports outside project area, within radius:	26982699280728083870669876097625991210062114501219312505		
Resource Database Printout (list):	\boxtimes enclosed \square not requested \square nothing listed/NA		
Resource Database Printout (details):	\boxtimes enclosed \square not requested \square nothing listed/NA		
Resource Digital Database Records:	\Box enclosed \boxtimes not requested \Box nothing listed/NA		
<u>Report Database Printout (list):</u>	\boxtimes enclosed \square not requested \square nothing listed/NA		
<u>Report Database Printout (details):</u>	\boxtimes enclosed \square not requested \square nothing listed/NA		
Report Digital Database Records:	\Box enclosed \boxtimes not requested \Box nothing listed/NA		
Resource Record Copies:	\Box enclosed \Box not requested \boxtimes nothing listed/NA		
<u>Report Copies:</u>	\boxtimes enclosed \square not requested \square nothing listed/NA		
Built Environment Resources Directory:	\boxtimes enclosed \square not requested \square nothing listed/NA		
Archaeological Resources Directory:	\Box enclosed \Box not requested \boxtimes nothing listed/NA		
CA Inventory of Historic Resources (1976):	\Box enclosed \Box not requested \boxtimes nothing listed/NA		

<u>Caltrans Bridge Survey:</u>	\Box enclosed	\Box not requested	\boxtimes nothing listed/NA
Ethnographic Information:	\Box enclosed	\boxtimes not requested	\Box nothing listed/NA
Historical Literature:	\Box enclosed	\boxtimes not requested	\Box nothing listed/NA
Historical Maps:	\Box enclosed	\boxtimes not requested	\Box nothing listed/NA
Local Inventories:	\Box enclosed	\boxtimes not requested	\Box nothing listed/NA
GLO and/or Rancho Plat Maps:	\Box enclosed	\boxtimes not requested	\Box nothing listed/NA
Shipwreck Inventory:	\Box enclosed	\boxtimes not requested	\Box nothing listed/NA
<u>Soil Survey Maps:</u>	\Box enclosed	\boxtimes not requested	□ nothing listed/NA

<u>Please forward a copy of any resulting reports and resource records from this project to NCIC as soon as possible. The lead agency/authority and cultural resources consultant should coordinate sending documentation to NCIC. Digital materials are preferred and can be sent to our office via our file transfer system. Please contact NCIC for instructions.</u> Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

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

Should you require any additional information for the above referenced project, reference the records search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Sincerely,

Paul Rendes, Coordinator North Central Information Center

Identifiers

Report No.: 002698 Other IDs: Cross-refs:

Citation information

Author(s): Baker, Cindy and James Gary Maniery

Year: 1995

Title: Cultural Resources Investigation for the Villages at Blue Oaks , Phase 1, Placer County

- Affliliation:
- No. pages: 17

No. maps:

Attributes:

Inventory size: Approx. 1079 acres

Disclosure:

Collections:

General notes

Associated resources

	Primary No.	Trinomial	Name
	P-31-001230	CA-PLA-000977H	Red Barn Site
No. resources:	1		
Has informals:			

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE, ROSEVILLE Address: PLSS:

	Date	User	
Entered:	6/14/2001	Doniella Maher	
Last modified:	12/12/2017	wagner	
IC actions:	Date	User	Action taken
	11/8/2006	jay	Added records from old Library database
	9/16/2009	lan	Report survey plotted in GIS
	12/12/2017	wagner	Verified
Record status:	Verified		

Identifiers	
Report No.:	002699
Other IDs:	
Cross-refs:	
Citation informa	tion
Author(s):	James Gary Maniery, Cindy Baker, Tracy Bakic, and Mary Maniery
Year:	2001 (May)
Title:	Cultural Resources Investigation of the Westpark/Fiddyment Ranch and Live Oak Enterprises/Signature Property Development Project, Placer County
Affliliation:	PAR Environmental Services
No. pages:	43
No. maps:	1
Attributes:	Archaeological, Architectural/Historical, Field study
Inventory size:	Approx 3600 acres
Disclosure:	Not for publication
Collections:	No
Sub-desig.:	A
Author(s):	Milford Wayne Donaldson and Michael Jewell
Year:	2004 (Sep)
Title:	Westpark/Fiddyment Ranch Project/Yankee Slough Restoration (COE040621A)
Affiliation:	OHP; USACE
Report type(s):	Other research
Inventory size:	
No. pages:	
Disclosure:	Not for publication
Collections:	No
PDF Pages:	-
General notes	
Associated reso	purces

ry No. Trinomi	nl Name	
001015		
JU1215		
001216	ft(nf) 2	
001217		
001218		
001219	Overland Trail	
001220 CA-PLA	-000967H	
001221 CA-PLA	-000968H	
001222 CA-PLA	-000969H	
001223 CA-PLA	-000970H Fiddyment Rand	ch Main Complex
001224		
001225	Sheep Shearing	Barn
001226	Lambing Barn	
001227	Turkey Brooding	g Shed
001228	Turkey Farm Co	omplex
001229	Pump House	
001230 CA-PLA	-000977H Red Barn Site	
	001221 CA-PLA 001222 CA-PLA 001223 CA-PLA 001224 001225 001226 001226 001227 001228 001229	001216 ft(nf) 2 001217 001217 001218 Overland Trail 001220 CA-PLA-000967H 001221 CA-PLA-000968H 001222 CA-PLA-000969H 001223 CA-PLA-000970H 001224 Fiddyment Rand 001225 Sheep Shearing 001226 Lambing Barn 001227 Turkey Brooding 001228 Turkey Farm Co 001229 Pump House

Has informals: No

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE, ROSEVILLE

Address: PLSS:

Database record	l metadata		
	Date	User	
Entered:	6/14/2001	Doniella Maher	
Last modified:	6/8/2022	paulrendes	
IC actions:	Date	User	Action taken
	11/8/2006	jay	Added records from old Library database
	9/16/2009	lan	Report survey plotted in GIS
	12/12/2017	wagner	Verified
	3/8/2018	paulrendes	corrected authors and attributes
	6/8/2022	paulrendes	added SHPO documentation
Record status:	Verified		

Identifiers

Report No.: 002807 Other IDs: Cross-refs: See also 002808

Citation information

Author(s):Hatoff, B. and A. Wesson
Year:Year:2001 (Jun)Title:Roseville Energy Facility Cultural Resources Appendix J of Application for CertificationAffliliation:URSNo. pages:65No. maps:Attributes:Attributes:Archaeological, Field studyInventory size:22 acresDisclosure:Not for publicationCollections:No

General notes

Associated resources

	Primary No.	Trinomial	Name
	P-31-000263	CA-PLA-000137	Prehistoric artifact scatter
	P-31-001254		
	P-31-001255	CA-PLA-001899H	
	P-31-001256		Atlantic Sustation Dump
No. resources:	4		
Has informals:	No		

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE, ROSEVILLE Address: PLSS:

Entered: Last modified:	Date 8/14/2001 9/26/2018	<i>User</i> Doniella Maher paulrendes	
IC actions:		User	Action taken
	11/8/2006	jay	Added records from old Library database
	9/16/2009	lan	Report survey plotted in GIS; report location is same as report 2808
	12/13/2017	wagner	Verified
	9/26/2018	paulrendes	added additional database info
Record status:	Verified		

Identifiers

Report No.: 002808 Other IDs: Cross-refs: See also 002807

Citation information

Author(s): Hatoff, B. and A. Wesson

Year: 2001

Title: Historic resources Inventory and Evaluation Report, Roseville AFC

Affliliation:

No. pages:

No. maps:

Attributes: Other research

Inventory size: 21 acres

Disclosure:

Collections:

General notes

This report is included in Report # 2807

Associated resources

Primary No.TrinomialNameP-31-000263CA-PLA-000137Prehistoric artifact scatterP-31-001254P-31-001255CA-PLA-001899HP-31-001256Atlantic Sustation Dump

No. resources: 4 Has informals:

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE, ROSEVILLE Address: PLSS:

Entered: Last modified:	Date 8/14/2001 2/27/2018	<i>User</i> Doniella Maher wagner	
IC actions:	Date	User	Action taken
	11/8/2006	jay	Added records from old Library database
	9/16/2009	lan	Report survey plotted in GIS; report location is same as report 2807
	2/27/2018	wagner	Verified
Record status:	Verified		

Identifiers

Report No.: 003870 Other IDs: Cross-refs:

Citation information

Author(s): Werner, Roger H.

Year: 1993

Title: Record Search And Field Survey For The Roseville Regional Waste Water Master Plan/Environmental Impact Report Cultural Resources Analyses

Affliliation:

No. pages:

No. maps:

Attributes:

Inventory size: 200 acres

Disclosure:

Collections:

General notes

Associated resources

No. resources: 0 Has informals:

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE, ROSEVILLE Address: PLSS:

	Date	User	
Entered:	10/22/2002	Sally Torpy	
Last modified:	1/2/2018	wagner	
IC actions:	Date	User	Action taken
	11/8/2006	jay	Added records from old Library database
	9/28/2009	lan	Report survey plotted in GIS
	1/2/2018	wagner	Verified
Record status:	Verified		

Identifiers				
Report No.:	006698			
Other IDs:				
Cross-refs:				
Citation informa	tion			
	Sean Michael	Jensen		
	2005 (Sep)			
	Archaeological Inventory Survey Proposed Regional University Development Project, c. 2,200 acres near Roseville, Placer County, CA			
Affliliation:	Genesis Society			
No. pages:	34			
No. maps:				
Attributes:	Archaeological, Field study			
Inventory size:	2,200 acres			
Disclosure:	Not for publica	tion		
Collections:	Unknown			
Sub-desig.:	В			
•	Sean Michael	Jensen		
	2006 (Nov)			
Title:	Archaeological Inventory Survey Proposed Regional University Development Project, c. 2,400 acres near Roseville, Placer County, CA			
Affiliation:	Genesis Society			
Report type(s):	Archaeological, Field study			
Inventory size:				
No. pages:				
Disclosure:	Not for publication			
Collections:	No			
PDF Pages:	· -			
General notes				
Associated reso	urces			
	Primary No.	Trinomial	Name	
	P-31-000260	CA-PLA-000134		
	P-31-000263	CA-PLA-000137	Prehistoric artifact scatter	
No. resources:	2			
Has informals:	No			
Location information	ation			
County(ies):	Placer			
USGS quad(s):		ROVE		
Address:				
PLSS:	T11N R5E Sec	c. 14, 19-23, 26, 27, 3	4, 35 MDBM	
Database record	d metadata			
	Date	User		
Entered	1/24/2006	E. Bowden/ B.		
Last modified.	5/26/2021	paulrendes		
IC actions.	. Date	User	Action taken	
10 000013.	11/8/2006	jay	Added records from old Library database	
	11/10/2009	lan	Report survey plotted in GIS	
	5/26/2021	paulrendes	verified gis	
Record status.		pauliences	venneu gis	

Identifiers

Report No.: 007609 Other IDs: Cross-refs:

Citation information

Author(s): Baker, Cindy L.

Year: 2002 (Aug)

Title: Historical Evaluation of the Fiddyment Ranch Road, Placer County, California

Affliliation:

No. pages:

No. maps:

Attributes:

Inventory size: 3,600 acres Disclosure:

Collections:

General notes

Associated resources

No. resources: 0 Has informals:

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE, ROSEVILLE Address: PLSS:

	Date	User	
Entered:	9/14/2006	Nathan Hallam	
Last modified:	5/16/2018	nicoleallison	
IC actions:	Date	User	Action taken
	12/15/2006	jay	Added records from old Library database
	11/23/2009	lan	Report survey plotted in GIS, polygon shape and location same as report 2699
	5/16/2018	nicoleallison	Verified GIS
Record status:	Verified		

dentifiers							
Report No.:	007625						
Other IDs:							
Cross-refs:							
Citation informa	tion						
Author(s):	Mark R. Hale						
Year:	2002 (Mar)						
Title:	Archaeological	Reconnaissance of the	he 1,329-acre Reason Farms, for the City of Roseville, Placer County, California				
Affliliation:	URS Corporati	on, 221 Main Street, S	Suite 600, San Francisco, California 94105				
No. pages:	29						
No. maps:							
Attributes:	Archaeological	l, Field study					
Inventory size:	1,329 acres						
Disclosure:	Not for publication	tion					
Collections:	Unknown						
Sub-desig.:	В						
•	– Mark R. Hale						
()	2002 (Jun)						
	 2002 (Jun) Archaeological Reconnaissance of a 170-Acre Addition to the City of Roseville Retention Basin Project Area, For The City of Roseville, Placer County, California, Addendum To: Archaeological Reconnaissance of the 1,329-Acre Reason Farms, Roseville, Placer County, California. Job No. 43-00000000.00 						
Affiliation:	URS Corporati		······································				
Report type(s):							
Inventory size:	170 acres	·					
No. pages:							
Disclosure:	Not for publica	tion					
Collections:	No						
PDF Pages:	-						
General notes							
Associated reso	urces						
	Primary No.	Trinomial	Name				
	P-31-000262	CA-PLA-000136					
No. resources:							
Has informals:	No						
ocation inform	ation						
County(ies):	Placer						
USGS quad(s):		ROVE					
Address:							
PLSS:							
Database record	d metadata						
	Date	User					
Entered	9/18/2006	Nathan Hallam					
Last modified		paulrendes					
IC actions		User	Action taken				
	12/15/2006		Added records from old Library database				
	11/23/2009	jay Ian	Report survey plotted in GIS				
	5/16/2018	nicoleallison	Verified GIS				
		nicoleanison					
Record status							

lentifiers	
Report No.:	009912
Other IDs:	
Cross-refs:	
itation informa	tion
Author(s):	
	2008 (Dec)
Title:	Cultural Resources Survey, Amoruso Property, Placer County, California, Project No. 2007-224
Affliliation:	ECORP Consulting, Inc
No. pages:	123
No. maps:	
Attributes:	Archaeological, Field study
Inventory size:	571
Disclosure:	Not for publication
Collections:	No
Sub-desig.:	В
Author(s):	ECORP Consulting, Inc.
Year:	2013 (Feb)
Title:	Cultural Resources Survey Report, Amoruso Property, Project No. 2007-224
Affiliation:	ECORP Consulting, Inc.
Report type(s):	Archaeological, Field study
Inventory size:	
No. pages:	
Disclosure:	Not for publication
Collections:	No
PDF Pages:	-
Sub-desig.:	C
Author(s):	Lisa Westwood
Year:	2011 (Apr)
Title:	Addendum to Cultural Resources Inventory for the Amoruso Ranch Project Area, Placer County, California, ECORP Project No. 2007-224.1
Affiliation:	ECORP Consulting, Inc.
	Archaeological, Field study
Inventory size:	
No. pages:	
	Not for publication
Collections:	
PDF Pages:	·
Sub-desig.:	
	Rebecca Allen
	2011 (Mar)
Title:	Buildings and Structures at 5101 Sunset Boulevard West, Roseville, CA 95747 (Past Forward, Inc. Task Order No. 13, Project No. 2007-224.01)
Affiliation:	Past Forward, Inc.
Report type(s):	Architectural/Historical, Evaluation, Field study
Inventory size:	
No. pages:	
Disclosure:	Unrestricted
Collections:	No
PDF Pages:	

General notes				
	CD provided by	y author		
Associated reso	urces			
	Primary No.	Trinomial	Name	
	P-31-001170			
	P-31-005611			
No. resources:	2			
Has informals:	No			
Location inform	ation			
County(ies):	Placer			
USGS quad(s):	PLEASANT G	ROVE		
Address:				
PLSS:				
Database recor	d metadata			
	Date	User		
Entered	: 12/16/2008	Monica		
Last modified	: 5/26/2021	paulrendes		
IC actions	: Date	User	Action taken	
	1/25/2018	wagner	Verified	
	5/26/2021	paulrendes	added additional database info	
Record status	Vorified	•		

Identifiers

Report No.: 010062 Other IDs: Cross-refs:

Citation information

Author(s): Guerrero, Marcus and Westwood, Lisa

Year: 2009 (Feb)

Title: Confidential Culturall Resources Survey Report Blue Oaks Boulevard / Westpark Drive Extensions Placer County, California Project No. 2007-238

Affliliation: ECORP Consulting, Inc.

No. pages:

No. maps:

Attributes: Archaeological, Field study Inventory size: 6 acres Disclosure: Not for publication Collections: Unknown

General notes

Associated resources

Primary No. Trinomial Name P-31-003677 No. resources: 1

Has informals:

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE Address: PLSS:

Database record metadata

	Date	User	
Entered:	2/24/2009	Ellen	
Last modified:	2/5/2018	nicoleallison	
IC actions:	Date	User	Action taken
	2/24/2009	Ellen	Digitized February 23, 2009
	2/5/2018	nicoleallison	Verified GIS
Record status:	Verified		

Identifiers

Report No.: 011450 Other IDs: Cross-refs:

Citation information

Author(s): Peak & Associates

Year: 2012 (Oct)

Title: Cultural Resources Assessment of the Proposed Blue Oaks Boulevard Extention in the Northwest Roseville Area, Placer County, California

Affliliation: Peak & Associates, Inc.

No. pages: 17

No. maps: 1

Attributes: Archaeological, Field study

Inventory size:

Disclosure: Not for publication

Collections: No

General notes

Associated resources

No. resources: 0 Has informals: No

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE Address: PLSS:

Database record metadata

	Date	User
Entered:	6/4/2014	kmr37
Last modified:	2/19/2018	wilson2

IC actions: Record status: Verified

Identifiers

Report No.: 011732 Other IDs: Cross-refs:

Citation information

Author(s): Melinda A. Peak, Robert A. Gerry, and Ann S. Peak

Year: 2010 (Sep)

Title: Determination of Eligibility and Effect for the Proposed Creekview Development, Northwest Roseville Area, Placer County, California

Affliliation: Peak & Associates

No. pages: 35

No. maps:

Attributes: Field study

Inventory size:

Disclosure: Not for publication *Collections:* No

General notes

Associated resources

	Primary No.	Trinomial	Name		
	P-31-000263	CA-PLA-000137	Prehistoric artifact scatter		
No. resources:	1				
Has informals:	No				
Location inform	ation				
County(ies):	Placer				
USGS quad(s):	PLEASANT G	ROVE			
Address:	Address		City	Assessor's parcel no.	Zip code
			Roseville		
PLSS:	T11N R5E Sec	c. 14, 15 MDBM			

Database record metadata

	Date	User
Entered:	9/9/2015	amandaberkso
Last modified:	8/15/2017	jacobmackey
IC actions:		

Record status: Verified

Identifiers

Report No.: 012193 Other IDs: Cross-refs:

Citation information

Author(s): Nancy E. Sikes, Dylan Stapleton, and Cindy J. Arrington

Year: 2016 (Aug)

Title: Cultural Resources Inventory and Effects Assessment for the City of Roseville Pleasant Grove Wastewater Treatment Plant Project, Placer County, California

Affliliation: Natural Investigations Company

No. pages: 32

No. maps: 1

Attributes: Archaeological, Field study

Inventory size:

Disclosure: Not for publication

Collections: No

General notes

Associated resources

No. resources: 0 Has informals: No

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE Address: PLSS: T11N R5E Sec. 23 MDBM

Database record metadata

	Date	User	
Entered:	10/6/2016	paulrendes	
Last modified:	3/12/2018	wilson2	
IC actions:	Date	User	Action taken
	10/6/2016	paulrendes	scanned and GIS
	12/18/2017	paulrendes	added SHPO concurrence letter
Record status:	Verified		

Identifiers

Report No.: 012505 Other IDs: Cross-refs:

Citation information

Author(s): Ric Windmiller and Kenneth L. Finger

Year: 2016 (Feb)

Title: Placer County Tourism Regional Sports Complex Cultural Resources Inventory and Evaluation, Roseville, Placer County, California

Affliliation:

No. pages: 29

No. maps:

Attributes: Archaeological, Field study Inventory size: Disclosure: Not for publication

Collections: No

General notes

Associated resources

No. resources: 0 Has informals: No

Location information

County(ies): Placer USGS quad(s): PLEASANT GROVE Address: PLSS: T11N R5E Sec. 23 MDBM

Database record metadata

	Date	User	
Entered:	8/24/2018	paulrendes	
Last modified:	1/29/2019	paulrendes	
IC actions:	Date	User	Action taken
	8/24/2018	paulrendes	plotted in gis
	1/00/0010	noutrondoo	varified aid
	1/29/2019	paulrendes	verified gis

Record status: Verified

Page 16 of 16

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
002698		1995	Baker, Cindy and James Gary Maniery	Cultural Resources Investigation for the Villages at Blue Oaks , Phase 1, Placer County		31-001230
002699		2001	James Gary Maniery, Cindy Baker, Tracy Bakic, and Mary Maniery	Cultural Resources Investigation of the Westpark/Fiddyment Ranch and Live Oak Enterprises/Signature Property Development Project, Placer County	PAR Environmental	31-001215, 31-001216, 31-001217, 31-001218, 31-001219, 31-001220, 31-001221, 31-001222, 31-001223, 31-001224, 31-001225, 31-001226, 31-001227, 31-001228, 31-001229, 31-001230
002699A		2004	Milford Wayne Donaldson and Michael	Westpark/Fiddyment Ranch Project/Yankee Slough Restoration (COE040621A)	OHP; USACE	
002807		2001	Hatoff, B. and A. Wesson	Roseville Energy Facility Cultural Resources Appendix J of Application for Certification	URS	31-000263, 31-001254, 31-001255, 31-001256
002808		2001	Hatoff, B. and A. Wesson	Historic resources Inventory and Evaluation Report, Roseville AFC		31-000263, 31-001254, 31-001255, 31-001256
003870		1993	Werner, Roger H.	Record Search And Field Survey For The Roseville Regional Waste Water Master Plan/Environmental Impact Report Cultural Resources Analyses		
006698		2005	Sean Michael Jensen	Archaeological Inventory Survey Proposed Regional University Development Project, c. 2,200 acres near Roseville, Placer County, CA	Genesis Society	31-000260, 31-000263
006698B		2006	Sean Michael Jensen	Archaeological Inventory Survey Proposed Regional University Development Project, c. 2,400 acres near Roseville, Placer County, CA	Genesis Society	
007609		2002	Baker, Cindy L.	Historical Evaluation of the Fiddyment Ranch Road, Placer County, California		
007625		2002	Mark R. Hale	Archaeological Reconnaissance of the 1,329- acre Reason Farms, for the City of Roseville, Placer County, California	URS Corporation, 221 Main Street, Suite 600, San Francisco, California 94105	31-000262
007625B		2002	Mark R. Hale	Archaeological Reconnaissance of a 170- Acre Addition to the City of Roseville Retention Basin Project Area, For The City of Roseville, Placer County, California, Addendum To: Archaeological Reconnaissance of the 1,329-Acre Reason Farms, Roseville, Placer County, California. Job No. 43-0000000.00	URS Corporation	

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
009912		2008	ECORP	Cultural Resources Survey, Amoruso Property, Placer County, California, Project No. 2007-224	ECORP Consulting, Inc	31-001170, 31-005611
009912B		2013	ECORP Consulting, Inc.	Cultural Resources Survey Report, Amoruso Property, Project No. 2007-224	ECORP Consulting, Inc.	
009912C		2011	Lisa Westwood	Addendum to Cultural Resources Inventory for the Amoruso Ranch Project Area, Placer County, California, ECORP Project No. 2007- 224.1	ECORP Consulting, Inc.	
009912D		2011	Rebecca Allen	Buildings and Structures at 5101 Sunset Boulevard West, Roseville, CA 95747 (Past Forward, Inc. Task Order No. 13, Project No. 2007-224.01)	Past Forward, Inc.	
010062		2009	Guerrero, Marcus and Westwood, Lisa	Confidential Culturall Resources Survey Report Blue Oaks Boulevard / Westpark Drive Extensions Placer County, California Project No. 2007-238	ECORP Consulting, Inc.	31-003677
011450		2012	Peak & Associates	Cultural Resources Assessment of the Proposed Blue Oaks Boulevard Extention in the Northwest Roseville Area, Placer County, California	Peak & Associates, Inc.	
011732		2010	Melinda A. Peak, Robert A. Gerry, and Ann S. Peak	Determination of Eligibility and Effect for the Proposed Creekview Development, Northwest Roseville Area, Placer County, California	Peak & Associates	31-000263
012193		2016	Nancy E. Sikes, Dylan Stapleton, and Cindy J. Arrington	Cultural Resources Inventory and Effects Assessment for the City of Roseville Pleasant Grove Wastewater Treatment Plant Project, Placer County, California	Natural Investigations Company	
012505		2016	Ric Windmiller and Kenneth L. Finger	Placer County Tourism Regional Sports Complex Cultural Resources Inventory and Evaluation, Roseville, Placer County, California		

Identifying information

Primary No.:	P-31-000263	
Trinomial:	CA-PLA-000137	
Name:	Prehistoric artifact sca	atter
Other IDs:	Туре	Name
	Resource Name	Prehistoric artifact scatter
Cross-refs:		

Attributes

Resource type:	Site
Age:	Prehistoric
Information base:	Survey
Attribute codes:	AP02 (Lithic scatter); AP16 (Other)
Disclosure:	Not for publication
Collections:	Unknown
Accession no(s):	
Facility:	

General notes

Recording events

Date	Recorder(s)	Affiliation	Notes
11/1/1961	Mott	Unknown	
5/16/2001	A. Wesson	URS Corporation	Update
11/17/2006	A. Peak	Peak & Associates	Update
9/21/2010	Robert Gerry	Peak & Associates	update

Associated reports

-				
	Report No.	Year	Title	Affiliation
	000619	1980	Cultural Resource Assessment of the Sunset Industrial Park Project, Placer County, California.	
	002807	2001	Roseville Energy Facility Cultural Resources Appendix J of Application for Certification	URS
	002808	2001	Historic resources Inventory and Evaluation Report, Roseville AFC	
	006698	2005	Archaeological Inventory Survey Proposed Regional University Development Project, c. 2,200 acres near Roseville, Placer County, CA	Genesis Society
	011732	2010	Determination of Eligibility and Effect for the Proposed Creekview Development, Northwest Roseville Area, Placer County, California	Peak & Associates

Location information

County: Placer

USGS quad(s): PLEASANT GROVE

Address:

PLSS: T11N R5E SE¼ of SE¼ of Sec. 14 MDBM

UTMs: Zone 10 640720mE 4295160mN NAD27 (November 1961) Zone 10 640900mE 4295240mN NAD27 (5/16/2001) Zone 10 640800mE 4295120mN NAD27 (5/16/2001)

Management status

Database record metadata

	Date	User	
Entered:	11/13/2006	jay	
Last modified:	5/27/2022	paulrendes	
IC actions:	Date	User	Action taken
	11/13/2006	jay	Imported data from NCIC Excel spreadsheet
	4/28/2010	Machiel	Imported data from resource record and plotted in GIS
	1/31/2017	shelbykendrick	Verified
Record status:	Verified		

Identifying infor	mation				
Primary No.:	P-31-001217	7			
Trinomial:					
Name:					
Other IDs:	Туре		Name		
	Other		Ft(nf)3		
Cross-refs:					
Attributes					
Resource type:	Other				
Age:	Historic				
Information base:	Survey				
Attribute codes:	AH04 (Privie	s/dump	s/trash scatters)		
Disclosure:	Not for public	cation			
Collections:	Unknown				
Accession no(s):					
Facility:					
General notes					
Recording event	ts				
-	Date	F	Recorder(s)	Affiliation	Notes
	2/16/200	1 T	. Bakic, K. McIvers, J. Barton	PAR Environmenta	l Services, Inc.
Associated repo	orts				
	Report No.	Year	Title		Affiliation
	002699	2001	Cultural Resources Invest Westpark/Fiddyment Ran Enterprises/Signature Pro Project, Placer County	ch and Live Oak	PAR Environmental Services
Location inform	ation				
County:	Placer				
USGS quad(s):	ROSEVILLE				
Address:					
PLSS:	T11N R5E S	W¼ of I	NW¼ of Sec. 24 MDBM		
UTMs:	Zone 10 641	109mE	4294462mN NAD27		
Management sta	atus				
Database record					
	Date		Jser		
Entered:	11/13/2006	ja	ау		

Entered: Last modified:	11/13/2006 5/27/2022	jay paulrendes	
IC actions:	Date	User	Action taken
	11/13/2006	jay	Imported data from NCIC Excel spreadsheet
	4/12/2010	Machiel	Imported data from resource record and plotted in GIS
	2/21/2017	shelbykendrick	Verified
Record status:	Verified		

Record status: Verified

Identifying infor	mation				
Primary No.:	P-31-003677				
Trinomial:					
Name:					
Other IDs:	Туре		Name		
	Other		ISO 1		
Cross-refs:					
Attributes					
Resource type:	Object				
Age:	Historic				
Information base:	Survey				
Attribute codes:	AH10 (Machi	nery) -	Harvester/hay bailer		
Disclosure:	Not for public	ation			
Collections:	Unknown				
Accession no(s):					
Facility:					
General notes					
Recording even	ts				
	Date	F	Recorder(s)	Affiliation	Notes
	12/13/20	07 N	larcos Guerrero	ECORP Consulting,	Inc.
Associated repo	orts				
	Report No.	Year	Title		Affiliation
	010062	2009	Confidential Culturall Resc Blue Oaks Boulevard / We Extensions Placer County, No. 2007-238	estpark Drive	ECORP Consulting, Inc.
Location inform	ation				
County:	Placer				
USGS quad(s): PLEASANT GROVE					
Address:					
PLSS:	T11N R5E N	E¼ of N	IE¼ of Sec. 23 MDBM		
UTMs:	Zone 10 6408	879mE	4295605mN NAD27		
Management st	atue				

Management status

Database record metadata

	Date	User	
Entered:	2/24/2009	Ellen	
Last modified:	4/24/2017	shelbykendrick	
IC actions:	Date	User	Action taken
	2/24/2009	Ellen	Digitized February 23, 2009
	4/24/2017	shelbykendrick	Verified
Record status:	Verified		

Resource List

Primary No.	Trinomial	Other IDs	Туре	Age	Attribute codes	Recorded by	Reports
P-31-000263	CA-PLA-000137	Resource Name - Prehistoric artifact scatter	Site	Prehistoric	AP02; AP16	1961 (Mott, Unknown); 2001 (A. Wesson, URS Corporation); 2006 (A. Peak, Peak & Associates); 2010 (Robert Gerry, Peak & Associates)	000619, 002807, 002808, 006698, 011732
P-31-001217		Other - Ft(nf)3	Other	Historic	AH04	2001 (T. Bakic, K. McIvers, J. Barton, PAR Environmental Services, Inc.)	002699
P-31-003677		Other - ISO 1	Object	Historic	AH10	2007 (Marcos Guerrero, ECORP Consulting, Inc.)	010062

APPENDIX C Native American Heritage Commission Results



CHAIRPERSON Laura Miranda Luiseño

VICE CHAIRPERSON Reginald Pagaling Chumash

SECRETARY **Sara Dutschke** *Miwok*

COMMISSIONER Isaac Bojorquez Ohlone-Costanoan

COMMISSIONER Buffy McQuillen Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER Wayne Nelson Luiseño

Commissioner Stanley Rodriguez Kumeyaay

Commissioner [VAVANT]

Commissioner [VACANT]

Executive Secretary Raymond C. Hitchcock Miwok/Nisenan

NAHC HEADQUARTERS

1550 Harbor Boulevard Suite 100 West Sacramento, California 95691 (916) 373-3710 nahc@nahc.ca.gov NAHC.ca.gov

NATIVE AMERICAN HERITAGE COMMISSION

December 22, 2022

Jessica Neal Kleinfelder

Via Email to: jneal@kleinfelder.com

Re: Creekview Family Affordable Apartments Project, Placer County

Dear Ms. Neal:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were <u>negative</u>. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: <u>Pricilla.Torres-Fuentes@nahc.ca.gov</u>.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes Cultural Resources Analyst

Attachment

Native American Heritage Commission Native American Contact List Placer County 12/22/2022

Shingle Springs Band of Miwok Indians

Regina Cuellar, Chairperson P.O. Box 1340 Shingle Springs, CA, 95682 Phone: (530) 387 - 4970 Fax: (530) 387-8067 rcuellar@ssband.org

Maidu Miwok

Tsi Akim Maidu

Grayson Coney, Cultural Director P.O. Box 510 Maidu Browns Valley, CA, 95918 Phone: (530) 383 - 7234 tsi-akim-maidu@att.net

United Auburn Indian Community of the Auburn Rancheria

Gene Whitehouse, Chairperson 10720 Indian Hill Road Maidu Auburn, CA, 95603 Miwok Phone: (530) 883 - 2390 Fax: (530) 883-2380 bguth@auburnrancheria.com

Wilton Rancheria

Dahlton Brown, Director of Administration 9728 Kent Street Miwok Elk Grove, CA, 95624 Phone: (916) 683 - 6000 dbrown@wiltonrancheria-nsn.gov

Wilton Rancheria

Jesus Tarango, Chairperson 9728 Kent Street Miwok Elk Grove, CA, 95624 Phone: (916) 683 - 6000 Fax: (916) 683-6015 jtarango@wiltonrancheria-nsn.gov

Wilton RancheriaSteven Hutchason, THPO9728 Kent StreetMiwokElk Grove, CA, 95624Phone: (916) 683 - 6000Fax: (916) 863-6015shutchason@wiltonrancheria-nsn.gov

Colfax-Todds Valley

Consolidated Tribe Pamela Cubbler, Treasurer P.O. Box 4884 Auburn, CA, 95604 Phone: (530) 320 - 3943 pcubbler@colfaxrancheria.com

Maidu Miwok

Colfax-Todds Valley Consolidated Tribe

Clyde Prout, Chairperson P.O. Box 4884 none Auburn, CA, 95604 Phone: (916) 577 - 3558 miwokmaidu@yahoo.com

Maidu Miwok

Nevada City Rancheria Nisenan Tribe

Shelly Covert, Tribal Secretary P.O. Box 2226 Nisenan Nevada City, CA, 95959 Phone: (530) 570 - 0846 shelly@nevadacityrancheria.org

Nevada City Rancheria Nisenan Tribe

Saxon Thomas, Tribal Council Member P.O. Box 2226 Nisenan Nevada City, CA, 95959 Phone: (530) 570 - 0846 shelly@nevadacityrancheria.org

Nevada City Rancheria Nisenan Tribe

Richard Johnson, Chairman P.O. Box 2624 Nisenan Nevada City, CA, 95959 Phone: (530) 570 - 0846 shelly@nevadacityrancheria.org

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resource Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Creekview Family Affordable Apartments Project, Placer County.

APPENDIX D

Survey Photographs

C-40 (APN Parcel 496-620-006-000) Photos



Photo 1. Overview from the southwest portion of the survey area with view of active construction staging area, facing northeast.



Photo 2. Overview from the southwest portion of the survey area with view of grassy terrace and view of Pleasant Grove Creek, facing east.



Photo 3. Overview from the northwest portion of the survey area with view of mud and puddles within active staging area, facing southwest.



Photo 4. Overview from the northeast portion of the survey area with view of road new road construction within active staging area, facing east.



Photo 5. Overview from the northeast portion of the survey area with view of active construction zone with view of standing water, facing southeast.



Photo 6. Overview from the northeast portion of the survey area with view of new road adjacent to the construction zone, facing west.



Photo 7. Overview from the northeast portion of the survey area with view of construction debris within staging area, facing north.



Photo 8. Overview from the southeast portion of the survey area with view of construction debris within the staging area, facing west.

C-43 (APN Parcel 017-490-025-000) Photos



Photo 1. Overview from the southwest portion of the survey area with view of landscaping facing east.



Photo 2. Overview from the southwest portion of the survey area with view of landscaping and flat terrace, facing north.



Photo 3. Overview from the southeast portion of the survey area with view of flat grassy field, facing west.



Photo 4. Overview from the southeast portion of the survey area with view of creek in the tree line, facing north.



Photo 5. Overview from the northwest portion of the survey area with view of flat field adjacent to residential area, facing east.



Photo 6. Overview from the northwest portion of the survey area with view of field and power plant in background, facing south.



Photo 7. Overview from the northeast portion of the survey area with view of field and paved trail, facing west.



Photo 8. Overview from the northeast portion of the survey area with view of paved trail and field, facing south.

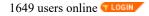
APPENDIX E ADDITIONAL SOURCES

Appendix E Contents:

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KLHM Lincoln Regional Airport/Karl Harder Field Lincoln, California, USA



GOING TO LINCOLN?

LARKSPUS LARKSPUS Reserve a Hotel Room

FAA INFORMATION EFFECTIVE 18 MAY 2023

Location

FAA Identifier: LHM

Lat/Long: 38-54-33.0000N 121-21-04.8000W 38-54.550000N 121-21.080000W 38.9091667,-121.3513333 (estimated) Elevation: 121.4 ft. / 37.0 m (surveyed) Variation: 14E (2010) From city: 3 miles W of LINCOLN, CA

Time zone: UTC -7 (UTC -8 during Standard Time) Zip code: 95648

Airport Operations

Airport use: Open to the public Activation date: 07/1944 Control tower: no ARTCC: OAKLAND CENTER FSS: RANCHO MURIETA FLIGHT SERVICE STATION NOTAMs facility: RIU (NOTAM-D service available) Attendance: MON-FRI 0630 - 1500 Wind indicator: lighted Segmented circle: yes Lights: ACTVT MALSR RWY 15; MIRL RWY 15/33, HELI PERIMETER LGTS - CTAF. PAPI RWYS 15 & 33 TURNED ON DURING DALGT HRS, AFTER DARK ACTVT - CTAF. Beacon: white-green (lighted land airport) Operates sunset to sunrise.

Airport Communications

CTAF/UNICOM: 123.0 WX AWOS-3: 124.25 (916-645-0698)



Road maps at: MapQuest Bing Google

Aerial photo

WARNING: Photo may not be current or correct



Photo by Rockne Green Photo taken 29-Sep-2009

Do you have a better or more recent aerial photo of Lincoln Regional Airport/Karl Harder Field that you would like to share? If so, please <u>send us your photo</u>.

Sectional chart

NORCAL APPROACH: 125.4 [1600-0800Z++ MON-FRI, 1800-0200Z++ SAT-SUN] NORCAL DEPARTURE: 125.4 [1600-0800Z++ MON-FRI, 1800-0200Z++ SAT-SUN] WX AWOS-3 at AUN (13 nm E): 119.375 (530-888-8934) WX AWOS-3 at MCC (15 nm S): 125.975 (916-641-1272) WX ASOS at MYV (15 nm NW): 118.475 (530-742-0695) WX ASOS at SMF (17 nm SW): PHONE 916-649-3996

Nearby radio navigation aids

VOR radial/distance	VOR name	Freq	Var
MCCr353/14.7	MC CLELLAN VOR/DME	109.20	17E
<u>MYV</u> r122/15.4	MARYSVILLE VOR/DME	110.80	16E
<u>SAC</u> r002/29.5	SACRAMENTO VORTAC	115.20	17E
<u>HNW</u> r274/30.2	HANGTOWN VOR/DME	115.50	17E
<u>ILA</u> r089/33.0	WILLIAMS VORTAC	114.40	18E

Airport Services

Fuel available: 100LL JET-A

100LL:FOR JET A AND 100LL FUEL TRUCK CTC (916) 257-4854, 0600-1700. SELF SVC FUEL AVBL 24 HRS.

Parking: tiedowns Airframe service: MAJOR Powerplant service: MAJOR Bottled oxygen: NONE Bulk oxygen: NONE

Runway Information

Runway 15/33

Dimensions: 6001 x 100 ft. / 1829 x 30 m Surface: asphalt, in good condition Weight bearing capacity: Single wheel: 30.0 Double wheel: 60.0 Runway edge lights: medium intensity **RUNWAY 15** Latitude: 38-55.027855N Longitude: 121-21.240792W Elevation: 119.8 ft. Traffic pattern: left Runway heading: 151 magnetic, 165 true

Markings: precision, in good condition Visual slope indicator: 4-light PAPI on left (3.00 degrees glide path)

> Approach lights: MALSR: 1,400 foot medium intensity approach lighting system with



Airport distance calculator

Flying to Lincoln Regional Airport/Karl Harder Field? Find the distance to fly.



Sunrise and sunset

	Times for 12-Jun-2023	
	Local	Zulu
	(UTC-7)	(UTC)
Morning civil twilight	05:08	12:08
Sunrise	05:40	12:40
Sunset	20:30	03:30
Evening civil twilight	21:02	04:02

Current date and time

Zulu (UTC)	12-Jun-2023 15:36:37
Local (UTC-7)	12-Jun-2023 08:36:37

METAR

	KLHM	121515Z AUTO 14010KT 10SM CLR 15/10 A2997 RMK AO1
L	<u>KAUN</u> 13nm E	121515Z AUTO VRB04KT 10SM OVC065 14/ A2999 RMK A01
		121511Z AUTO 14014KT 10SM -RA
	14nm N	OVC110 16/11 A2995 RMK AO2 RAB11 SLP145 \$
	кмсс	121515Z AUTO 17011KT 10SM
	15nm S	BKN110 15/11 A2997 RMK AO2
RUNWAY 33	<u>KMYV</u>	121453Z AUTO 14011KT 10SM -RA
38-54.071655N	15nm NW	SCT120 16/11 A2996 RMK AO2
		SLP149 P0000 60000 T01560106 53016
121-20.919870W	KSMF	121453Z 17010KT 10SM OVC170
119.7 ft.	17nm SW	16/11 A2995 RMK AO2 SLP141
left		T01610106 53019
331 magnetic, 345	TAF	
true	KBAB	121200Z 1212/1317 14012KT 9999
nonprecision, in	14nm N	BKN100 BKN150 QNH2991INS
good condition		BECMG 1222/1223 18010G15KT 9999 FEW100 SCT150 QNH2992INS
4-light PAPI on left		BECMG 1304/1305 16012KT 9999
e		FEW100 QNH2995INS BECMG
(3.00 degrees glide		1311/1312 15006KT 9999 FEW120
path)		QNH2997INS TX27/1223Z TN14/1213Z
	кмсс	121149Z 1212/1312 17011G18KT
	15nm S	P6SM BKN100 BKN250 FM122200
		20011KT P6SM BKN250
	KSMF	121148Z 1212/1312 14010KT P6SM BKN100 FM121600 18012G18KT
	1/IIII SW	DKINIUU FMIIZIOUU 18012G18K1
		0

AirNav: KLHM - Lincoln Regional Airport/Karl Harder Field

yes, no lights

no

runway alignment indicator

P6SM BKN100 BKN250

NOTAMs

Click for the latest NOTAMs

NOTAMs are issued by the DoD/FAA and will open in a separate window not controlled by AirNav.

lights Runway end identifier lights: no Touchdown point: yes, no lights Instrument approach: ILS/DME Obstructions: 25 ft. tree, 1000 ft. from runway, 32:1 slope to clear from runway, 35:1

40 ft. trees, 1600 ft. slope to clear

Helipad H1

Dimensions: 60 x 60 ft. / 18 x 18 m Surface: concrete Runway edge lights: PERI Latitude: 38-54.208117N Longitude: 121-20.726117W Elevation: 118.0 ft. Traffic pattern: left left

Airport Ownership and Management from official FAA records

Ownership: Publicly-owned Owner: CITY OF LINCOLN 600 6TH STREET LINCOLN, CA 95648 Phone (916) 434-2450 Manager: MATTHEW MEDILL 1480 FLIGHTLINE DR. LINCOLN, CA 95648 Phone 916-645-3443 EMAIL: MATTHEW.MEDILL@LINCOLNCA.GOV

Airport Operational Statistics

Aircraft based on the field: 62 Aircraft operations: avg 204/day * Single engine airplanes: 58 50% local general aviation Multi engine airplanes: 2 46% transient general aviation Helicopters: 2 4% air taxi * for 12-month period ending 31 December 2017

Additional Remarks

A30A-15 RY 15 CALM WND RY.

- FOR CD CTC NORCAL APCH AT 916-361-6874.
- PWRD PRCHT ACT SW QUAD OF ARPT.

Instrument Procedures

NOTE: All procedures below are presented as PDF files. If you need a reader for these files, you should download the free Adobe Reader.

NOT FOR NAVIGATION. Please procure official charts for flight. FAA instrument procedures published for use from 18 May 2023 at 0901Z to 15 June 2023 at 0900z.

IAPs - Instrument Approach Procedures

ILS OR LOC RWY 15 **CHANGED**	download (276KB)
RNAV (GPS) RWY 15	download (243KB)
RNAV (GPS) RWY 33	download (211KB)
NOTE: Special Alternate Minimums apply	download (133KB)
NOTE: Special Take-Off Minimums/Departure Procedures apply	download (346KB)

Other nearby airports with instrument procedures:

KAUN - Auburn Municipal Airport (13 nm E) KBAB - Beale Air Force Base (14 nm N) KMCC - Mc Clellan Airfield (15 nm S) KMYV - Yuba County Airport (15 nm NW)

KSMF - Sacramento International Airport (17 nm SW)

FBO, Fuel Providers, and Aircraft Ground Support

Business Name	Contact	Services / Description Airport management, Aviation fuel,	Fuel Prices	Comments
		Aircraft parking (ramp or tiedown), Hangar leasing / sales, Passenger terminal and lounge, Flight training,	EPIC	
<u>Lincoln Regional Airport/Karl</u> <u>Harder Field</u>	916-645-3443 [web_site] [email]	CREW CAR AVIS Hertz.	100LL Jet A FS \$6.39 \$6.99 SS \$6.09 \$6.94 Updated 22-May-2023	not yet rated <u>write</u>
		More info about Lincoln Regional Airport/Karl Harder Field		
			FS= <u>Full service</u> SS= <u>Self service</u> UPDATE PRICES	
Aviation Businesses, Services,	and Facili	ties		
Business Name	Contact	Services / Description Aircraft ground handling, Oxygen service, Hangar leasing / sales, GPU / Power cart,	Distance	Comments
<u>Lincoln Skyways</u>	916-645-3449 916-730-0788 [web site] [email]	Flight training, Aircraft rental, Aircraft maintenance, Aircraft modifications,	on airport	not yet rated <u>write</u>
		More info about Lincoln Skyways no information available		
Kracon Aircraft Refinishing	916-645-1614	If you are affiliated with Kracon Aircraft Refinishing and would like to show here	on airport	not yet rated 1 read write

your services, contact info, web link, logo,

and more, click here

Would you like to see your business listed on this page?

If your business provides an interesting product or service to pilots, flight crews, aircraft, or users of the Lincoln Regional Airport/Karl Harder Field, you should consider listing it here. To start the listing process, click on the button below

T ADD YOUR BUSINESS OR SERVICE

Other Pages about Lincoln Regional Airport/Karl Harder Field

Tincolnca.gov/...

UPDATE, REMOVE OR ADD A LINK

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Lincoln Regional Airport 🏌

184

WESTPARK

Lincoln 🦉

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193

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LINCOLN CROSSING

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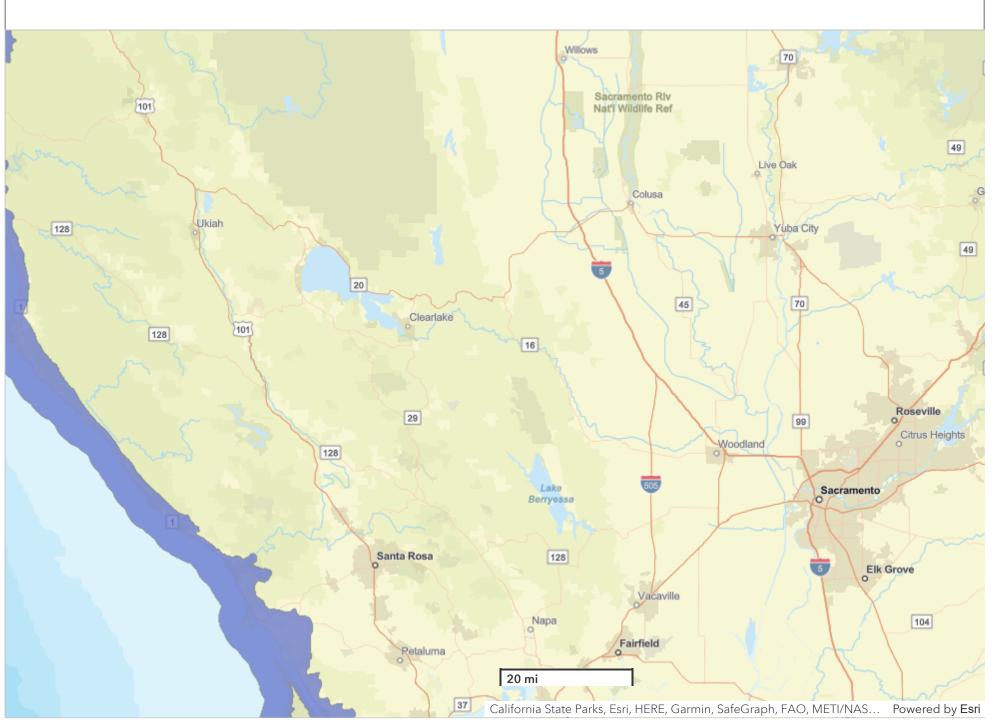
Whitney

Clayton

HIGHLAND RESERVE

GALLERIA

Rocklin;



https://apps.wildlife.ca.gov/bios6/



Image Details

We administer the Coastal Barrier Resources Act (CBRA), which encourages the conservation of storm-prone and dynamic coastal barriers by withdrawing the availability of federal funding and financial assistance within a designated set of units known as the Coastal Barrier Resources System (CBRS). The CBRS includes 3.5 million acres along the Atlantic, Gulf of Mexico, Great Lakes, U.S. Virgin Islands, and Puerto Rico coasts.

What We Do



Image Details

Our Services

Our responsibilities under CBRA include maintaining the official maps of the CBRS and making recommendations to Congress for appropriate changes to the boundaries; consulting with other federal agencies regarding federally-funded projects proposed within the CBRS; and working with property owners, project proponents, and other stakeholders to determine whether a specific property or project site is located within the CBRS.

Our Projects and Initiatives

The Service is committed to ensuring accurate and user-friendly maps depicting the CBRS. Through a series of <u>mapping projects</u>, we have made progress in modernizing maps for the CBRS using digital technology that has significantly improved public access to information, increased efficiency for infrastructure project planning, and increased accuracy and timeliness in determining whether individual properties are located with the CBRS.



Image Details

Our Laws and Regulations

With the passage of CBRA in 1982, Congress recognized that certain actions and programs of the Federal Government have historically subsidized and encouraged development on coastal barriers, resulting in the loss of natural resources, threats to human life, health, and property, and the expenditure of millions of tax dollars each year. CBRA seeks to minimize these effects by restricting federal funding and financial assistance affecting the CBRS. The CBRS includes 588 System Units, which comprise nearly 1.4 million acres of land and associated aquatic habitat. There are also 282 "Otherwise Protected Areas," a category of coastal barriers that are mostly held for conservation and/or recreation purposes that include an additional 2.1 million acres of land and associated aquatic habitat.

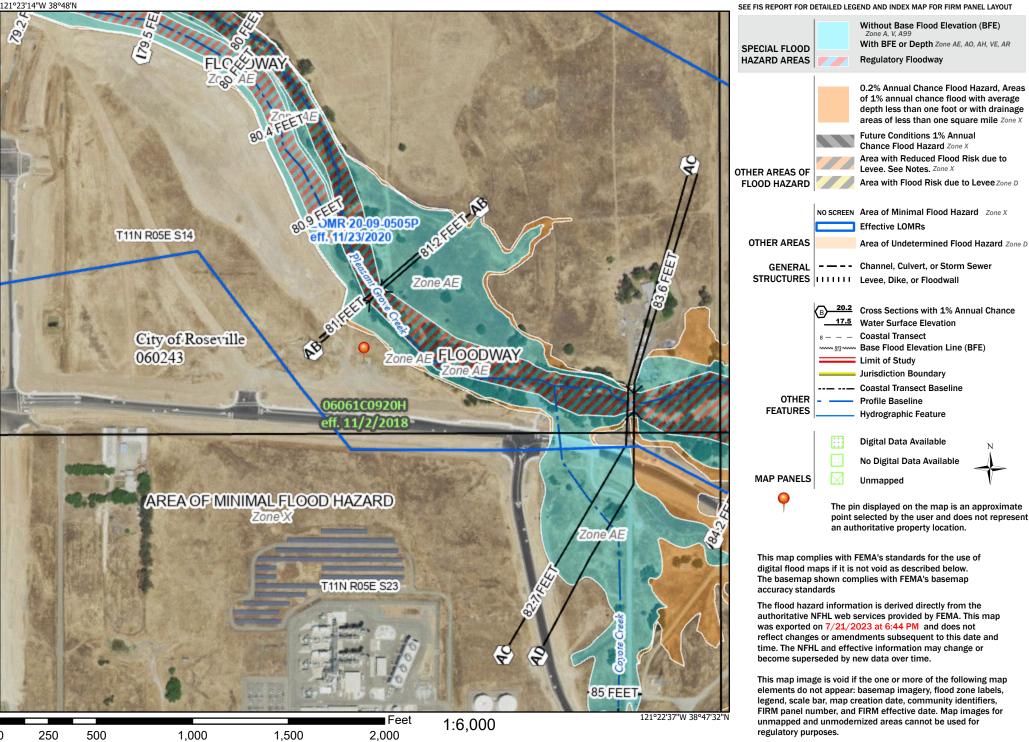
A 2019 study 🗹 published in the Journal of Coastal Research analyzed the economic benefits from CBRA and found that CBRA reduced federal coastal disaster expenditures by \$9.5 billion between 1989 and 2013, and forecasts that additional savings will range between \$11 and \$108 billion by 2068.

CBRA does not prohibit the expenditure of private, state, or local funds within the CBRS. Additionally, it does not prevent federal agencies from issuing permits or conducting environmental studies. Areas within the CBRS may be developed, provided that private developers or other non-federal parties bear the full cost and risk.

National Flood Hazard Layer FIRMette



Legend



Basemap Imagery Source: USGS National Map 2023

identified emission offset threshold requirements which are based on the nonattainment classification for the air quality standards. The current emission offset thresholds of 10 tons per year (or 55 pounds per day) for ROG and NOx and 15 tons per year (or 82 pounds per day) for PM10 are required by District Rule 502¹⁶. These offset requirements are the most stringent of both the federal and state regulations. This is the foundation of the criteria pollutant's significance thresholds for CEQA projects within Placer County. Please note that the unit of pounds per day will be referred to as lbs/day in the following discussion.

The District evaluated the current regional goal to attain the federal and state ambient air quality standards, the CEQA projects reviewed by the District over the last thirteen years (2003-2015), and the CEQA significance thresholds adopted by other air districts in the Sacramento area. District staff was able to demonstrate that the NSR emission offset requirements are appropriate in addressing the potential air quality impacts from new land use projects in Placer County.

The detailed analyses and justification report can be found at <u>http://www.placerair.org/landuseandcega/cegathresholdsandreviewprinciples</u>. Table 2-1 shows the construction phase project-level, and cumulative-level significance thresholds, adopted by the District, related to the air quality impacts of construction and operational emissions associated with land use projects.

Table 2-1: PCAPCD Significance Thresholds for Criteria Pollutants														
uction Phase ect-Level	>		perational Pha Project-Level											
NOx	PM10	ROG	NOx	PM10	ROG	NOx	PM10							
os/day)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)							
82	82	55	55 82 55 55 82											
e	ect-Level NOx os/day)	NOx PM10 ps/day) (lbs/day)	ect-Level NOx PM10 ROG ps/day) (lbs/day) (lbs/day)	Project-Level Project-Level NOx PM10 ROG NOx ss/day) (lbs/day) (lbs/day) (lbs/day)	Project-Level Project-Level NOx PM10 ROG NOx PM10 ss/day) (lbs/day) (lbs/day) (lbs/day) (lbs/day)	Project-Level Project-Level Cu NOx PM10 ROG NOx PM10 ROG vs/day) (lbs/day) (lbs/day) (lbs/day) (lbs/day) (lbs/day)	Project-Level Cumulative-Level NOx PM10 ROG NOx PM10 ROG NOx ss/day) (lbs/day) (lbs/day) (lbs/day) (lbs/day) (lbs/day) (lbs/day)							

Table 2-2 presents the approximate size of a project for selected land use categories which would result in NOx operational emissions equal to the threshold of 55 lbs/day. The detailed modeling scenario assumptions, settings, and modeling outputs are presented in the <u>PCAPCD</u> <u>Threshold Justification Report Appendix B</u>. This table serves as the preliminary screening methodology and it does not include ROG operational emissions. It may be used in place of an air quality analysis with appropriate discussion to determine the level of significance for a project's air quality impacts. Please note that, depending on the location of the project as well as the project's proposed land use categories, design features, and buildout year, different conclusions may be reached other than the ones shown in Table 2-2.

Tal	Table 2-2: Corresponding Size of a Project for 55 lbs/day of NOx Emissions												
Re	sidential (# of unit	s)	Comr	Commercial/Industrial (sf)									
Single Family	Condo	Apartment	General Commercial	General Office	General Industrial								
617	868	911	249,099	648,661	894,262								

16 PCAPCD Rule 502 New Source Review Section 303.1 Emission Offset http://www.placerair.org/~/media/apc/documents/rules/reg%205/rule502newsourcereview.pdf?la=en

Freeways and High Traffic Roads

Air pollution studies indicate that living close to high traffic and the associated emissions may lead to adverse health effects beyond those associated with regional air pollution in urban areas. Many of these epidemiological studies have focused on children. A number of studies identify an association between adverse non-cancer health effects and living or attending school near heavily traveled roadways (see findings below). These studies have reported associations between residential proximity to high traffic roadways and a variety of respiratory symptoms, asthma exacerbations, and decreases in lung function in children.

One such study that found an association between traffic and respiratory symptoms in children was conducted in the San Francisco Bay Area. Measurements of traffic-related pollutants showed concentrations within 300 meters (approximately 1,000 feet) downwind of freeways were higher than regional values. Most other studies have assessed exposure based on proximity factors such as distance to freeways or traffic density.

These studies linking traffic emissions with health impacts build on a wealth of data on the adverse health effects of ambient air pollution. The data on the effects of proximity to traffic-related emissions provides additional information that can be used in land use siting and regulatory actions by air agencies. The key observation in these studies is that close proximity increases both exposure and the potential for adverse health effects. Other effects associated with traffic emissions include premature death in elderly individuals with heart disease.

Key Health Findings

- Reduced lung function in children was associated with traffic density, especially trucks, within 1,000 feet and the association was strongest within 300 feet. (Brunekreef, 1997)
- Increased asthma hospitalizations were associated with living within 650 feet of heavy traffic and heavy truck volume. (Lin, 2000)
- Asthma symptoms increased with proximity to roadways and the risk was greatest within 300 feet. (Venn, 2001)
- Asthma and bronchitis symptoms in children were associated with proximity to high traffic in a San Francisco Bay Area community with good overall regional air quality. (Kim, 2004)
- A San Diego study found increased medical visits in children living within 550 feet of heavy traffic. (English, 1999)

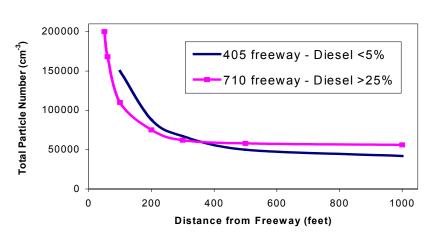
In these and other proximity studies, the distance from the roadway and truck traffic densities were key factors affecting the strength of the association with adverse health effects. In the above health studies, the association of traffic-related emissions with adverse health effects was seen within 1,000 feet and was

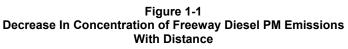
strongest within 300 feet. This demonstrates that the adverse effects diminished with distance.

In addition to the respiratory health effects in children, proximity to freeways increases potential cancer risk and contributes to total particulate matter exposure. There are three carcinogenic toxic air contaminants that constitute the majority of the known health risk from motor vehicle traffic – diesel particulate matter (diesel PM) from trucks, and benzene and 1,3-butadiene from passenger vehicles. On a typical urban freeway (truck traffic of 10,000-20,000/day), diesel PM represents about 70 percent of the potential cancer risk from the vehicle traffic. Diesel particulate emissions are also of special concern because health studies show an association between particulate matter and premature mortality in those with existing cardiovascular disease.

Distance Related Findings

A southern California study (Zhu, 2002) showed measured concentrations of vehicle-related pollutants, including ultra-fine particles, decreased dramatically within approximately 300 feet of the 710 and 405 freeways. Another study looked at the validity of using distance from a roadway as a measure of exposure





to traffic related air pollution (Knape, 1999). This study showed that concentrations of traffic related pollutants declined with distance from the road, primarily in the first 500 feet.

These findings are consistent with air quality modeling and risk analyses done by ARB staff that show an estimated range of potential cancer risk that decreases with distance from freeways. The estimated risk varies with the local meteorology, including wind pattern. As an example, at 300 feet downwind from a freeway (Interstate 80) with truck traffic of 10,000 trucks per day, the potential cancer risk was as high as 100 in one million (ARB Roseville Rail Yard Study). The cancer health risk at 300 feet on the upwind side of the freeway was much

less. The risk at that distance for other freeways will vary based on local conditions – it may be higher or lower. However, in all these analyses the relative exposure and health risk dropped substantially within the first 300 feet. This phenomenon is illustrated in Figure 1-1.

State law restricts the siting of new schools within 500 feet of a freeway, urban roadways with 100,000 vehicles/day, or rural roadways with 50,000 vehicles with some exceptions.² However, no such requirements apply to the siting of residences, day care centers, playgrounds, or medical facilities. The available data show that exposure is greatly reduced at approximately 300 feet. In the traffic-related studies the additional health risk attributable to the proximity effect was strongest within 1,000 feet.

The combination of the children's health studies and the distance related findings suggests that it is important to avoid exposing children to elevated air pollution levels immediately downwind of freeways and high traffic roadways. These studies suggest a substantial benefit to a 500-foot separation.

The impact of traffic emissions is on a gradient that at some point becomes indistinguishable from the regional air pollution problem. As air agencies work to reduce the underlying regional health risk from diesel PM and other pollutants, the impact of proximity will also be reduced. In the meantime, as a preventative measure, we hope to avoid exposing more children and other vulnerable individuals to the highest concentrations of traffic-related emissions.

Recommendation

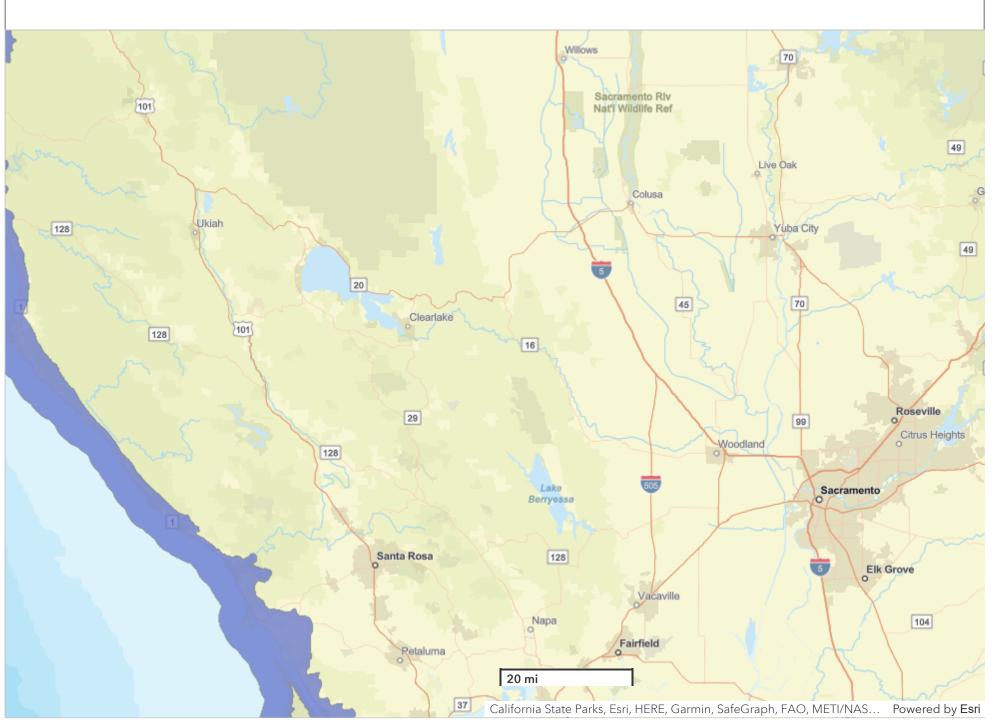
• Avoid siting new sensitive land uses within 500 feet of a freeway, urban roads with 100,000 vehicles/day, or rural roads with 50,000 vehicles/day.

References

- Brunekreef, B. et al. "Air pollution from truck traffic and lung function in children living near motorways." Epidemiology. 1997; 8:298-303
- Lin, S. et al. "Childhood asthma hospitalization and residential exposure to state route traffic." <u>Environ Res</u>. 2002;88:73-81
- Venn. et al. "Living near a main road and the risk of wheezing illness in children." <u>American Journal of Respiratory and Critical Care Medicine.</u> 2001; Vol.164, pp. 2177-2180
- Kim, J. et al. *"Traffic-related air pollution and respiratory health: East Bay Children's Respiratory Health Study."* <u>American Journal of Respiratory and Critical Care Medicine</u> 2004; Vol. 170. pp. 520-526

² Section 17213 of the California Education Code and section 21151.8 of the California Public Resources Code. See also Appendix E for a description of special processes that apply to school siting.

ID	Roadway	Roadway Segment	ADT	L _{dn} @ 100 ft		Distance to Contours	
				@ 100 II	70 dBA L _{dn}	65 dBA L _{dn}	60 dBA Ld
1	Blue Oaks Blvd	From Fiddyment Rd to West	2,500	57	5	16	51
2	Blue Oaks Blvd	From Fiddyment Rd to Del Webb Blvd	12,600	64	26	82	259
3	Blue Oaks Blvd	From Del Webb Blvd to Woodcreek Oaks Blvd	22,400	67	46	146	460
4	Blue Oaks Blvd	From Woodcreek Oaks Blvd to Foothills Blvd	36,100	69	74	235	742
5	Blue Oaks Blvd	From Foothills Blvd to Washington Blvd	43,200	69	89	281	887
6	Fiddyment Rd	From Blue Oaks to North	8,500	63	18	58	183
7	Fiddyment Rd	From Blue Oaks Blvd to Pleasant Grove Blvd	16,100	65	35	110	347
8	Fiddyment Rd	From Pleasant Grove Blvd to Baseline Rd	26,000	67	56	177	561
9	Woodcreek Oaks Blvd	From Blue Oaks Blvd to North	10,100	63	22	70	222
10	Woodcreek Oaks Blvd	From Blue Oaks Blvd to Pleasant Grove Blvd	14,700	65	32	102	324
11	Woodcreek Oaks Blvd	From Pleasant Grove Blvd to Junction Blvd	14,600	65	32	102	321
12	Woodcreek Oaks Blvd	From Junction Blvd to Baseline Rd	7,400	62	16	52	163
13	Foothills Blvd	From Blue Oaks Blvd to North	7,500	62	17	54	171
14	Foothills Blvd	From Blue Oaks Blvd to Pleasant Grove Blvd	15,300	65	35	110	349
15	Foothills Blvd	From Pleasant Grove Blvd to Junction Blvd	30,100	68	69	217	686
16	Foothills Blvd	From Junction Blvd to Main St	28,700	68	65	207	654
17	Foothills Blvd	From Baseline Rd to Vineyard	34,900	69	80	252	795
18	Foothills Blvd	From Vineyard to Cirby Way	35,400	69	81	255	807
19	Washington Blvd	From Blue Oaks Blvd to Roseville Pkwy	18,200	66	38	121	382
20	Washington Blvd	From Roseville Pkwy to Pleasant Grove Blvd	14,400	65	30	96	303
21	Washington Blvd	From Pleasant Grove Blvd to Junction Blvd	19,200	66	40	128	403
22	Washington Blvd	From Junction Blvd to Main St	20,400	66	43	136	429
23	Washington Blvd	From Main St to Oak St	21,900	67	46	146	460
24	Pleasant Grove Blvd	From Fiddyment Rd to West	10,300	63	22	68	216
25	Pleasant Grove Blvd	From Fiddyment Rd to Woodcreek Oaks Blvd	24,000	67	50	159	504
26	Pleasant Grove Blvd	From Woodcreek Oaks Blvd to Foothills Blvd	33,800	69	71	225	710
27	Pleasant Grove Blvd	From Foothills Blvd to Washington Blvd	42,600	70	90	283	895
28	Pleasant Grove Blvd	From Washington Blvd to Roseville Pkwy	46,700	70	98	310	981



https://apps.wildlife.ca.gov/bios6/

IPaC resource list

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

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

Location

Placer County, California



Local office

Sacramento Fish And Wildlife Office

\$ (916) 414-6600 (916) 414-6713

Federal Building

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

NOTFORCONSULTATION

Endangered species

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

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

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

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

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

Listed species¹ and their critical habitats are managed by the <u>Ecological Services Program</u> of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

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

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

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

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. <u>https://ecos.fws.gov/ecp/species/9743</u>	Candidate
Valley Elderberry Longhorn Beetle Desmocerus californicus dimorphus Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/7850	Threatened
Crustaceans NAME	STATUS
Conservancy Fairy Shrimp Branchinecta conservatio Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. <u>https://ecos.fws.gov/ecp/species/8246</u>	Endangered
Vernal Pool Fairy Shrimp Branchinecta lynchi Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. <u>https://ecos.fws.gov/ecp/species/498</u>	Threatened
Vernal Pool Tadpole Shrimp Lepidurus packardi Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. <u>https://ecos.fws.gov/ecp/species/2246</u>	Endangered

Critical habitats

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

There are no critical habitats at this location.

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

Bald & Golden Eagles

Bald and golden eagles are protected under the <u>Bald and Golden Eagle Protection Act</u> and the <u>Migratory Bird Treaty Act</u>.

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate conservation measures, as described <u>below</u>.

Additional information can be found using the following links:

- Eagle Managment https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds <u>https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds</u>
- Nationwide conservation measures for birds

https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservationmeasures.pdf

There are bald and/or golden eagles in your project area.

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

NAME

BREEDING SEASON

Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

Golden Eagle Aquila chrysaetos

Breeds Jan 1 to Aug 31

Breeds Jan 1 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680

Probability of Presence Summary

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

Probability of Presence (

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

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

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

probability of presence score.

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

Breeding Season (=)

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

Survey Effort (|)

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

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

No Data (–)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

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

			■ pi	robabilit	ty of pres	sence	breed	ding sea	son I s	survey e	ffort –	no data
SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Bald Eagle Non-BCC Vulnerable	+++	₩ ₩₩₩		++++	1+++	++++	++++	++++	++++	++++	++++	# + # +
Golden Eagle Non-BCC Vulnerable	H HH	¥###	+ +++	┼╪┼┼	╂╂╋╂	++++	++++	++++	++++	• ++++	++++	• +++

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

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

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

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

IPaC: Explore Location resources

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

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

What if I have eagles on my list?

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

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

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

- 1. The Migratory Birds Treaty Act of 1918.
- 2. The <u>Bald and Golden Eagle Protection Act</u> of 1940.

Additional information can be found using the following links:

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

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

IPaC: Explore Location resources

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

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

NAME	BREEDING SEASON
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Jan 1 to Aug 31
Belding's Savannah Sparrow Passerculus sandwichensis beldingi This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <u>https://ecos.fws.gov/ecp/species/8</u>	Breeds Apr 1 to Aug 15
Bullock's Oriole Icterus bullockii This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 21 to Jul 25
California Gull Larus californicus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 1 to Jul 31
Common Yellowthroat Geothlypis trichas sinuosa This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <u>https://ecos.fws.gov/ecp/species/2084</u>	Breeds May 20 to Jul 31
Golden Eagle Aquila chrysaetos This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <u>https://ecos.fws.gov/ecp/species/1680</u>	Breeds Jan 1 to Aug 31

Lawrence's Goldfinch Carduelis lawrencei This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <u>https://ecos.fws.gov/ecp/species/9464</u>	Breeds Mar 20 to Sep 20
Long-eared Owl asio otus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <u>https://ecos.fws.gov/ecp/species/3631</u>	Breeds Mar 1 to Jul 15
Nuttall's Woodpecker Picoides nuttallii This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <u>https://ecos.fws.gov/ecp/species/9410</u>	Breeds Apr 1 to Jul 20
Oak Titmouse Baeolophus inornatus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <u>https://ecos.fws.gov/ecp/species/9656</u>	Breeds Mar 15 to Jul 15
Olive-sided Flycatcher Contopus cooperi This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <u>https://ecos.fws.gov/ecp/species/3914</u>	Breeds May 20 to Aug 31
Short-billed Dowitcher Limnodromus griseus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <u>https://ecos.fws.gov/ecp/species/9480</u>	Breeds elsewhere
Tricolored Blackbird Agelaius tricolor This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <u>https://ecos.fws.gov/ecp/species/3910</u>	Breeds Mar 15 to Aug 10
Wrentit Chamaea fasciata This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 10

Yellow-billed Magpie Pica nuttalli This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <u>https://ecos.fws.gov/ecp/species/9726</u>

Probability of Presence Summary

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

Probability of Presence (

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

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

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

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

Breeding Season (=)

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

Survey Effort (I)

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

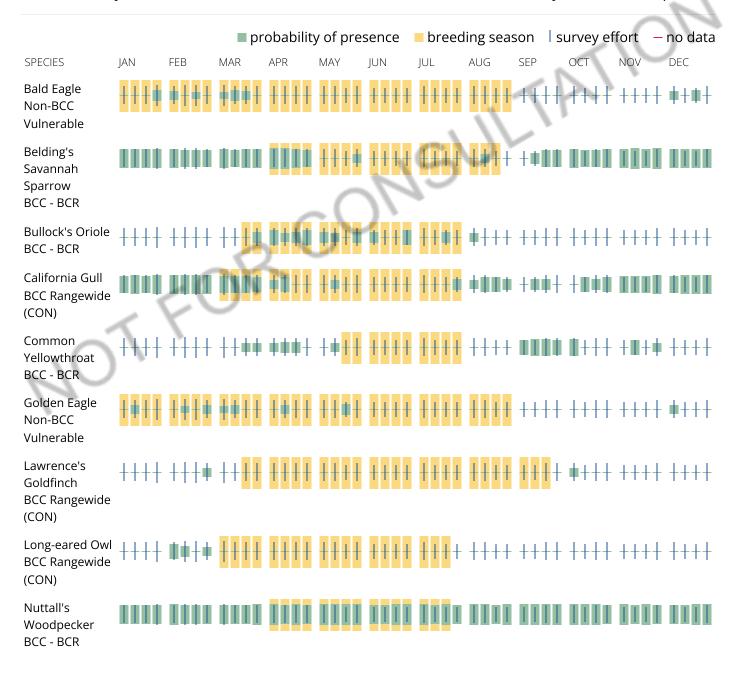
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

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



Oak Titmouse BCC Rangewide (CON)									1111	1111		1111
Olive-sided Flycatcher BCC Rangewide (CON)	++++	++++	++++	++ # #	∎≢∎∔	++++	++++	++++	++++	++++	++++	++++
Short-billed Dowitcher BCC Rangewide (CON)	++++	++++	++++	++++	++++	++++	++++	+∎++	++++	++++	++++	++++
SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Tricolored Blackbird BCC Rangewide (CON)	+++#	+++	ŧ 1 ++	ŧ¦ŧŧ	# +++	++++	++++	<mark>┼┼</mark> ┼┼	++##	++++	*+++ C	++++
Wrentit BCC Rangewide (CON)	++++	┼┼┿┼	┼┼┼┼	++++	++++	++++	++++	<mark>┼┼</mark> ┼┼	++++	++++	++#+	+++•
Yellow-billed Magpie BCC Rangewide (CON)	# ++ #	++++	# +++	# +++	\$\$1\$		S	111	+#+#	#+#+	+++#	+++#

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

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

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

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

The migratory bird list generated for your project is derived from data provided by the <u>Avian Knowledge</u> <u>Network (AKN)</u>. The AKN data is based on a growing collection of <u>survey</u>, <u>banding</u>, <u>and citizen science</u> <u>datasets</u> and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (<u>Eagle Act</u> requirements may apply), or a species that has a particular vulnerability to offshore activities or development. Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the <u>Rapid Avian Information Locator (RAIL) Tool</u>.

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

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

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

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

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

What are the levels of concern for migratory birds?

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

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

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

Details about birds that are potentially affected by offshore projects

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

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

What if I have eagles on my list?

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

Proper Interpretation and Use of Your Migratory Bird Report

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

Facilities

National Wildlife Refuge lands

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

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

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

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

Wetland information is not available at this time

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

Data limitations

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

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

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

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and

IPaC: Explore Location resources

nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

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

NOTFORCONSULTATIO

Home Critical Habitat for Threatened & Endangered Species [USFWS]

Details Basemap About Content Legend +Legend **Final Polygon Features** _ eel eel **Final Linear Features** incoln=Byp Lincoln Regional Airport **Proposed Polygon Features** Turkey Creek iolf Club Lincoln 0.8 AUBURN **Proposed Linear Features** errar Ingram Slo Lincoln Hills Golf Club Catta rdera lub Orchard Cr Amoruso C South /Sierra College Rocklin Timbe Creek Golf ant Grove Creek seberg Creek Sierra View Country Club Roseville 2m Douglas-Blvd-Report Abuse Trust Center Contact Esri Contact Us Help Legal

CALIFORNIA DEPARTMENT OF

FISH and WILDLIFE RareFind

Query Summary: Quad IS (Roseville (3812173) OR Pleasant Grove (3812174) OR Sheridan (3812184) OR Lincoln (3812183) OR Gold Hill (3812182) OR Rocklin (3812172) OR Folsom (3812162) OR Citrus Heights (3812163) OR Rio Linda (3812164)) AND Other Status CONTAINS (CDFW_FP-Fully Protected OR CDFW_SSC-Species of Special Concern)



CNDDB Element Query Results												
Scientific Name	Common Name	Taxonomic Group	Element Code		Returned Occs		State Status	Global Rank			Other Status	Habitats
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	955	26	None	Threatened	G1G2	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN- Endangered, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
Ammodramus savannarum	grasshopper sparrow	Birds	ABPBXA0020	27	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Valley & foothill grassland
Antrozous pallidus	pallid bat	Mammals	AMACC10010	420	2	None	None	G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S- Sensitive	Chaparral, Coastal scrub, Desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Riparian woodland, Sonoran desert scrub, Upper montane coniferous forest, Valley & foothill grassland
Athene cunicularia	burrowing owl	Birds	ABNSB10010	2011	13	None	None	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland
Corynorhinus townsendii	Townsend's big-eared bat	Mammals	AMACC08010	635	1	None	None	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S- Sensitive	Broadleaved upland forest, Chaparral, Chenopod scrub, Great Basin grassland, Great Basin scrub, Joshua tree woodland, Lower montane coniferous forest, Meadow & seep, Mojavean desert scrub, Riparian forest, Riparian woodland, Sonoran desert scrub, Sonoran thorn woodland, Upper montane coniferous forest, Valley & foothill grassland
Elanus leucurus	white-tailed kite	Birds	ABNKC06010	184	16	None	None	G5	S3S4	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC- Least Concern	Cismontane woodland, Marsh & swamp, Riparian woodland, Valley & foothill grassland, Wetland
Emys marmorata	western pond turtle	Reptiles	ARAAD02030	1477	8	None	None	G3G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	Aquatic, Artificial flowing waters, Klamath/North coast flowing waters, Klamath/North coast standing waters, Marsh & swamp, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland

Laterallus jamaicensis coturniculus	California black rail	Birds	ABNME03041	303	3	None	Threatened	G3T1	S2	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_EN- Endangered	Brackish marsh, Freshwater marsh, Marsh & swamp, Salt marsh, Wetland
Melospiza melodia pop. 1	song sparrow ("Modesto" population)	Birds	ABPBXA3013	92	2	None	None	G5T3? Q	S3?	null	CDFW_SSC-Species of Special Concern	Artificial flowing waters, Freshwater marsh, Riparian forest, Riparian scrub, Riparian woodland, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters
Progne subis	purple martin	Birds	ABPAU01010	71	2	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Broadleaved upland forest, Lower montane coniferous forest
Spea hammondii	western spadefoot	Amphibians	AAABF02020	1444	15	None	None	G2G3	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	Cismontane woodland, Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland
Taxidea taxus	American badger	Mammals	AMAJF04010	594	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Alkali marsh, Alkali playa, Alpine, Alpine dwarf scrub, Bog & fen, Brackish marsh, Broadleaved upland forest, Chaparral, Chenopod scrub, Cismontane woodland, Closed-cone coniferous forest, Coastal bluff scrub, Coastal dunes, Coastal prairie, Coastal scrub, Desert dunes, Desert wash, Freshwater marsh, Great Basin grassland, Great Basin scrub, Interior dunes, Ione formation, Joshua tree woodland, Limestone, Lower montane coniferous forest, Marsh & swamp, Meadow & seep, Mojavean desert scrub, Montane dwarf scrub, North coast coniferous forest, Oldgrowth, Pavement plain, Redwood, Riparian forest, Riparian scrub, Sonoran thorn woodland, Ultramafic, Upper montane coniferous forest, Upper Sonoran scrub, Valley & foothill grassland

CALIFORNIA DEPARTMENT OF FISH and WILDLIFE RareFind

Query Summary: Quad IS (Roseville (3812173) OR Pleasant Grove (3812174) OR Sheridan (3812184) OR Lincoln (3812183) OR Gold Hill (3812182) OR Rocklin (3812172) OR Folsom (3812162) OR Citrus Heights (3812163) OR Rocklin (3812182) OR Rocklin (3812172) OR Folsom (3812162) OR Citrus Heights (3812163) OR Rocklin (3812182) OR Rocklin (3812172) OR Folsom (3812162) OR Citrus Heights (3812163) OR Rocklin (3812182) OR Rocklin (3812172) OR Folsom (3812162) OR Citrus Heights (3812163) OR Rocklin (3812182) OR Rocklin (3812172) OR Folsom (3812162) OR Citrus Heights (3812163) OR Rocklin (3812182) OR Rocklin (3812172) OR Folsom (3812162) OR Citrus Heights (3812163) OR Rocklin (3812182) OR Rocklin (3812182) OR Folsom (3812162) OR Citrus Heights (3812163) OR Rocklin (3812182) OR Rocklin (3812182) OR Rocklin (3812182) OR Rocklin (3812182) OR Folsom (3812162) OR Citrus Heights (3812163) OR Rocklin (3812182) OR Rocklin (AND Federal Listing Status IS (Endangered OR Threatened OR Proposed Endangered OR Proposed Threatened OR Candidate) OR State Listing Status IS (Endangered OR Threatened OR Candidate Endangered

OR Candidate Threatened)

	CNDDB Element Query Results													
Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats		
Acipenser medirostris pop. 1	green sturgeon - southern DPS	Fish	AFCAA01031	14	1	Threatened	None	G2T1	S1	null	AFS_VU-Vulnerable, IUCN_EN- Endangered	Aquatic, Estuary, Marine bay, Sacramento/San Joaquin flowing waters		
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	955	26	None	Threatened	G1G2	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland		
Branchinecta conservatio	Conservancy fairy shrimp	Crustaceans	ICBRA03010	53	1	Endangered	None	G2	S2	null	IUCN_EN-Endangered	Valley & foothill grassland, Vernal pool, Wetland		
Branchinecta lynchi	vernal pool fairy shrimp	Crustaceans	ICBRA03030	796	80	Threatened	None	G3	S3	null	IUCN_VU-Vulnerable	Valley & foothill grassland, Vernal pool, Wetland		
Buteo swainsoni	Swainson's hawk	Birds	ABNKC19070	2561	28	None	Threatened	G5	S4	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Great Basin grassland, Riparian forest, Riparian woodland, Valley & foothill grassland		
Coccyzus americanus occidentalis	western yellow- billed cuckoo	Birds	ABNRB02022	165	1	Threatened	Endangered	G5T2T3	S1	null	BLM_S-Sensitive, USFS_S-Sensitive	Riparian forest		
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	Insects	IICOL48011	271	20	Threatened	None	G3T3	S3	null	nuli	Riparian scrub		
Gratiola heterosepala	Boggs Lake hedge-hyssop	Dicots	PDSCR0R060	99	5	None	Endangered	G2	S2	1B.2	BLM_S-Sensitive	Freshwater marsh, Marsh & swamp, Vernal pool, Wetland		
Laterallus jamaicensis coturniculus	California black rail	Birds	ABNME03041	303	3	None	Threatened	G3T1	S2	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_EN-Endangered	Brackish marsh, Freshwater marsh, Marsh & swamp, Salt marsh, Wetland		
Lepidurus packardi	vernal pool tadpole shrimp	Crustaceans	ICBRA10010	330	7	Endangered	None	G3	S3	null	IUCN_EN-Endangered	Valley & foothill grassland, Vernal pool, Wetland		
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	Fish	AFCHA0209K	31	3	Threatened	None	G5T2Q	S2	null	AFS_TH-Threatened	Aquatic, Sacramento/San Joaquin flowing waters		
Orcuttia viscida	Sacramento Orcutt grass	Monocots	PMPOA4G070	12	3	Endangered	Endangered	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Vernal pool, Wetland		
Riparia riparia	bank swallow	Birds	ABPAU08010	299	2	None	Threatened	G5	S3	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Riparian scrub, Riparian woodland		
Thamnophis gigas	giant gartersnake	Reptiles	ARADB36150	373	4	Threatened	Threatened	G2	S2	null	IUCN_VU-Vulnerable	Marsh & swamp, Riparian scrub, Wetland		

CALIFORNIA DEPARTMENT OF

FISH and WILDLIFE RareFind

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CNDDB Element Query Results												
Scientific Name	Common Name	Taxonomic Group	Element Code		Returned Occs	Federal Status	State Status	Global Rank		CA Rare Plant Rank	Other Status	Habitats
Balsamorhiza macrolepis	big-scale balsamroot	Dicots	PDAST11061	51	2	None	None	G2	S2	1B.2	BLM_S-Sensitive, USFS_S- Sensitive	Chaparral, Cismontane woodland, Ultramafic, Valley & foothill grassland
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	Dicots	PDSCR0J0D1	35	1	None	None	G2T1	S1	1B.1	null	Alkali playa, Meadow & seep, Wetland
Downingia pusilla	dwarf downingia	Dicots	PDCAM060C0	132	29	None	None	GU	S2	2B.2	null	Valley & foothill grassland, Vernal pool, Wetland
Gratiola heterosepala	Boggs Lake hedge-hyssop	Dicots	PDSCR0R060	99	5	None	Endangered	G2	S2	1B.2	BLM_S-Sensitive	Freshwater marsh, Marsh & swamp, Vernal pool, Wetland
Juncus leiospermus var. ahartii	Ahart's dwarf rush	Monocots	PMJUN011L1	13	1	None	None	G2T1	S1	1B.2	null	Valley & foothill grassland
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	Monocots	PMJUN011L2	62	1	None	None	G2T2	S2	1B.1	BLM_S-Sensitive, USFS_S- Sensitive	Chaparral, Cismontane woodland, Meadow & seep, Valley & foothill grassland, Vernal pool, Wetland
Legenere limosa	legenere	Dicots	PDCAM0C010	83	6	None	None	G2	S2	1B.1	BLM_S-Sensitive, SB_UCBG-UC Botanical Garden at Berkeley	Vernal pool, Wetland
Navarretia myersii ssp. myersii	pincushion navarretia	Dicots	PDPLM0C0X1	16	2	None	None	G2T2	S2	1B.1	null	Vernal pool, Wetland
Orcuttia viscida	Sacramento Orcutt grass	Monocots	PMPOA4G070	12	3	Endangered	Endangered	G1	S1	1B.1	SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden	Vernal pool, Wetland
Sagittaria sanfordii	Sanford's arrowhead	Monocots	PMALI040Q0	143	6	None	None	G3	S3	1B.2	BLM_S-Sensitive	Marsh & swamp, Wetland

Giant Garter Sna

Image Details

FWS Focus

Overview

7/26/23, 11:09 AM

Giant Garter Snake (Thamnophis gigas) | U.S. Fish & Wildlife Service

The giant garter snake is one of the largest garter snakes, reaching a length of 63.7 inches (162 centimeters). The snake is olive to brown with a cream, yellow or orange stripe running down its back, and two light colored stripes running along each side.

The snake was listed as a threatened species on October 20, 1993.

Historically, giant garter snakes were found along the edges of large flood basins, freshwater marshes and tributaries in California's Central Valley from Butte County in the north to Kern County in the south. Today, their range extends from Butte and Glenn counties in the north to Fresno County in the south, where they are known to live in a variety of agricultural, managed and natural wetlands. Giant garter snakes inhabit natural wetlands like marshes, sloughs, ponds, small lakes and small streams. These snakes also live in artificial waterways and agricultural wetlands, like irrigation and drainage canals and rice fields; and the adjacent uplands. Only about 5% of its historical wetland habitat acreage remains.

The species is threatened by:

Habitat loss, fragmentation and degradation due to urbanization, infrastructure development and agricultural conversion, including changing fields from rice production to orchards

Invasive aquatic plants and removal techniques for those plants, including herbicides or mowing

The impacts of climate change, including flooding and drought. Floods can displace snakes, bury them under debris or cause drowning when overwintering in burrows

Drought is also a threat to giant garter snakes because of the species' dependence on permanent wetlands

Scientific Name

Thamnophis gigas

Common Name

Giant Garter Snake, Giant Gartersnake

FWS Category

7/26/23, 11:09 AM

Reptiles

Kingdom

Animalia

Location in Taxonomic Tree 🕑 ()

Genus

Species

→ Thamnophis gigas

Identification Numbers

TSN: ② () 209147 ☑

Characteristics

SIMILAR SPECIES

HABITAT

V

V

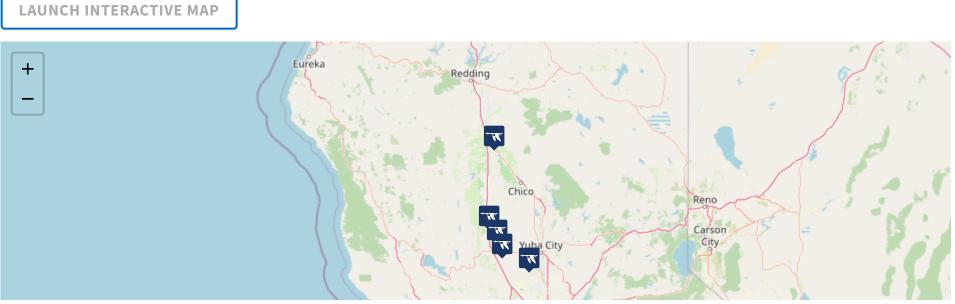
FOOD

BEHAVIOR

PHYSICAL CHARACTERISTICS

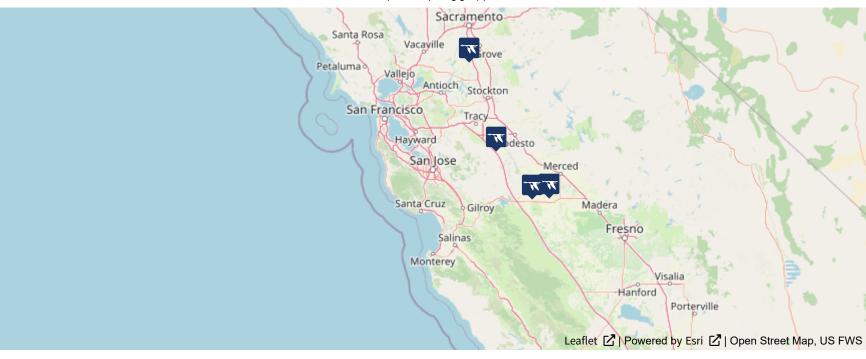
LIFE CYCLE

Geography



V

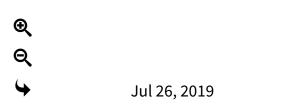
Giant Garter Snake (Thamnophis gigas) | U.S. Fish & Wildlife Service



Timeline

Explore the information available for this taxon's timeline. You can select an event on the timeline to view more information, or cycle through the content available in the carousel below.

14 ITEMS



4



Five Year Review (Information Solicitation)

Initiation of 5- Year Status Reviews of 58 Species in California, Nevada, and the Klamath Basin of...

Publication type: Notice

Population:

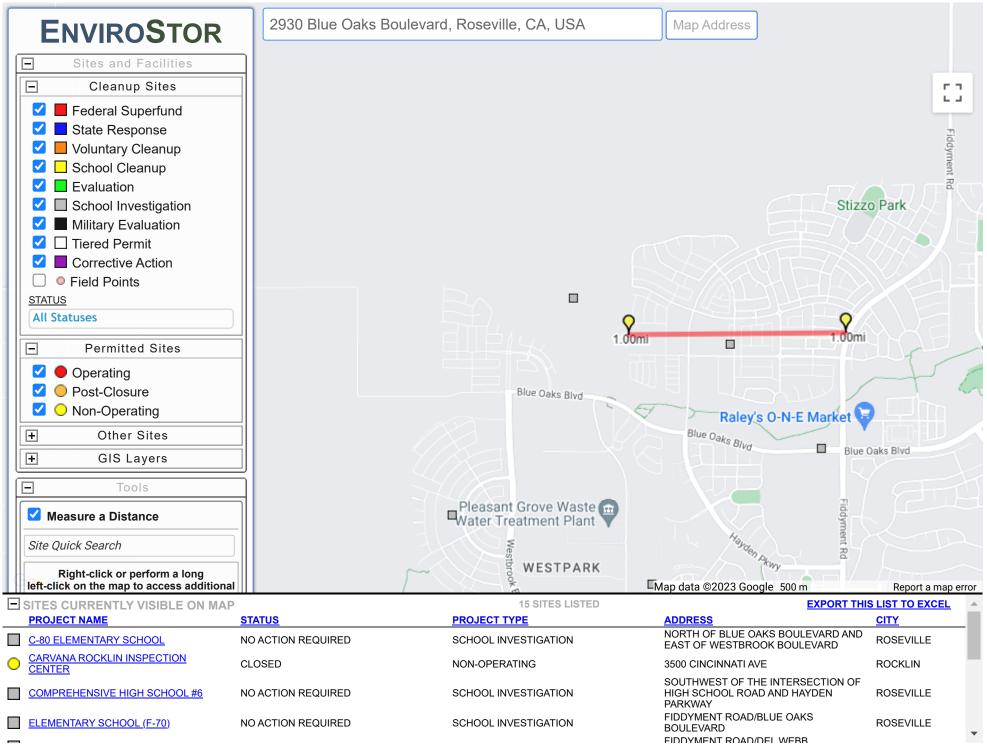
VIEW FEDERAL REGISTER DOCUMENT

ITEM 14

Key:

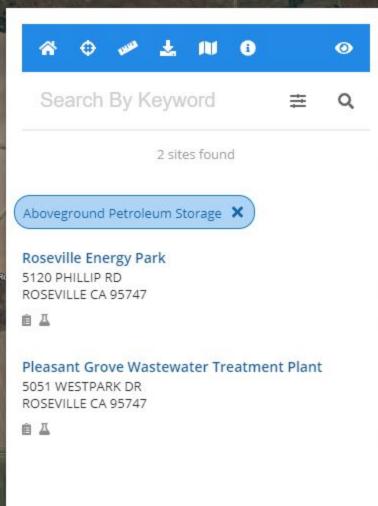
🛱 Event

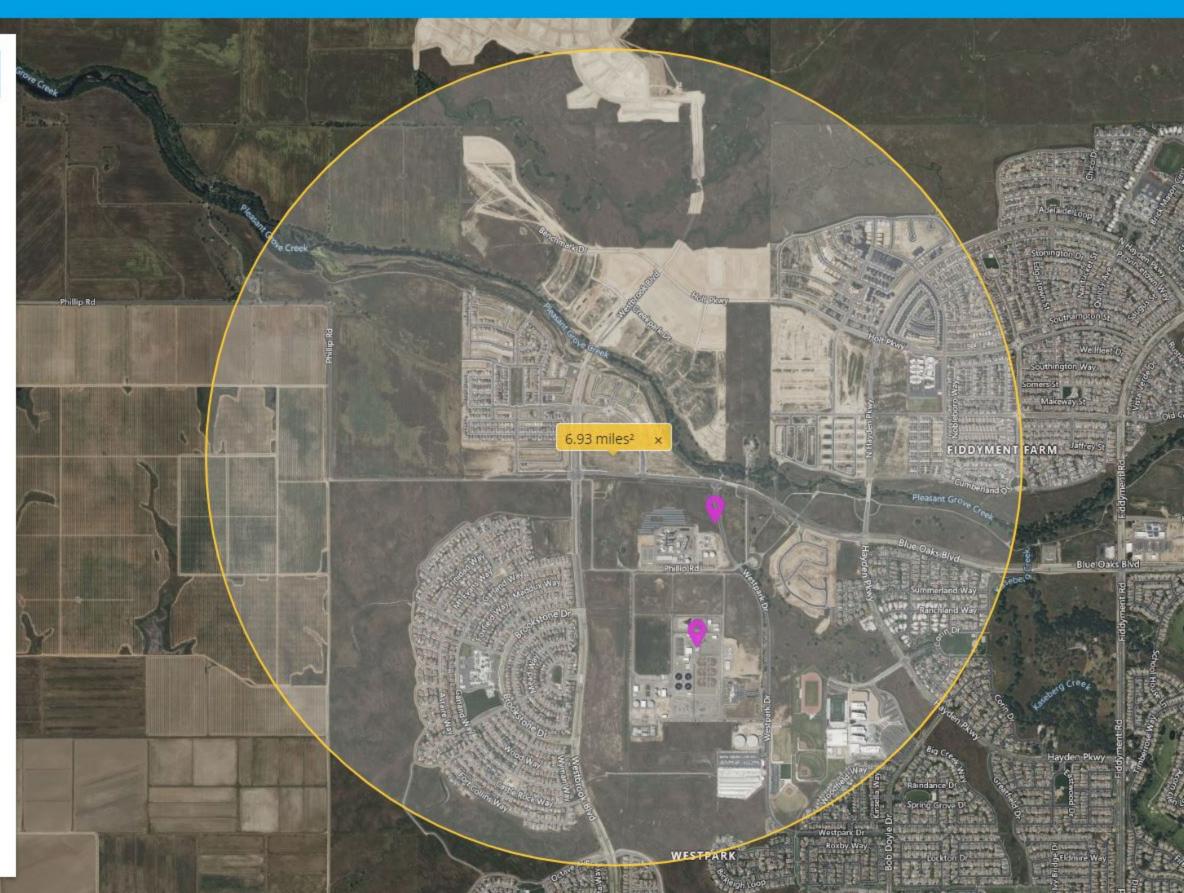
Regulatory Status Change



https://www.envirostor.dtsc.ca.gov/public/map/?global_id=38330005

ScalEPA CalEPA Regulated Site Portal





Home (/) > Programs (/programs/) > Environmental Review (/programs/environmentalreview/) > ASD Calculator

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft² - hr - people and 10,000 BTU/ft² - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD-Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	Yes: 🗹 No: 🗆
ls the container under pressure?	Yes: 🗌 No: 🗹
Does the container hold a cryogenic liquified gas?	Yes: No:
Is the container diked?	Yes: 🗌 No: 🗹
What is the volume (gal) of the container?	59999
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	1522.56
ASD for Thermal Radiation for Buildings (ASDBPU)	333.76

ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options (/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)

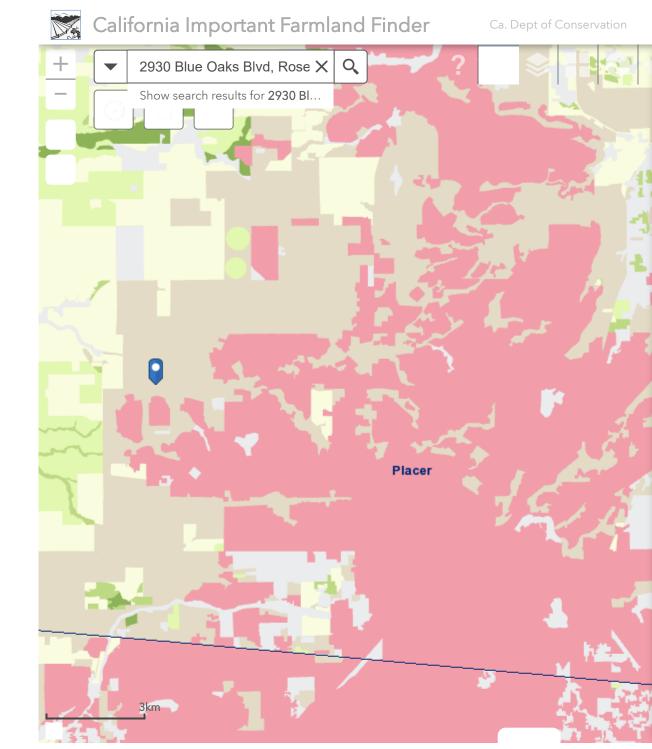
Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

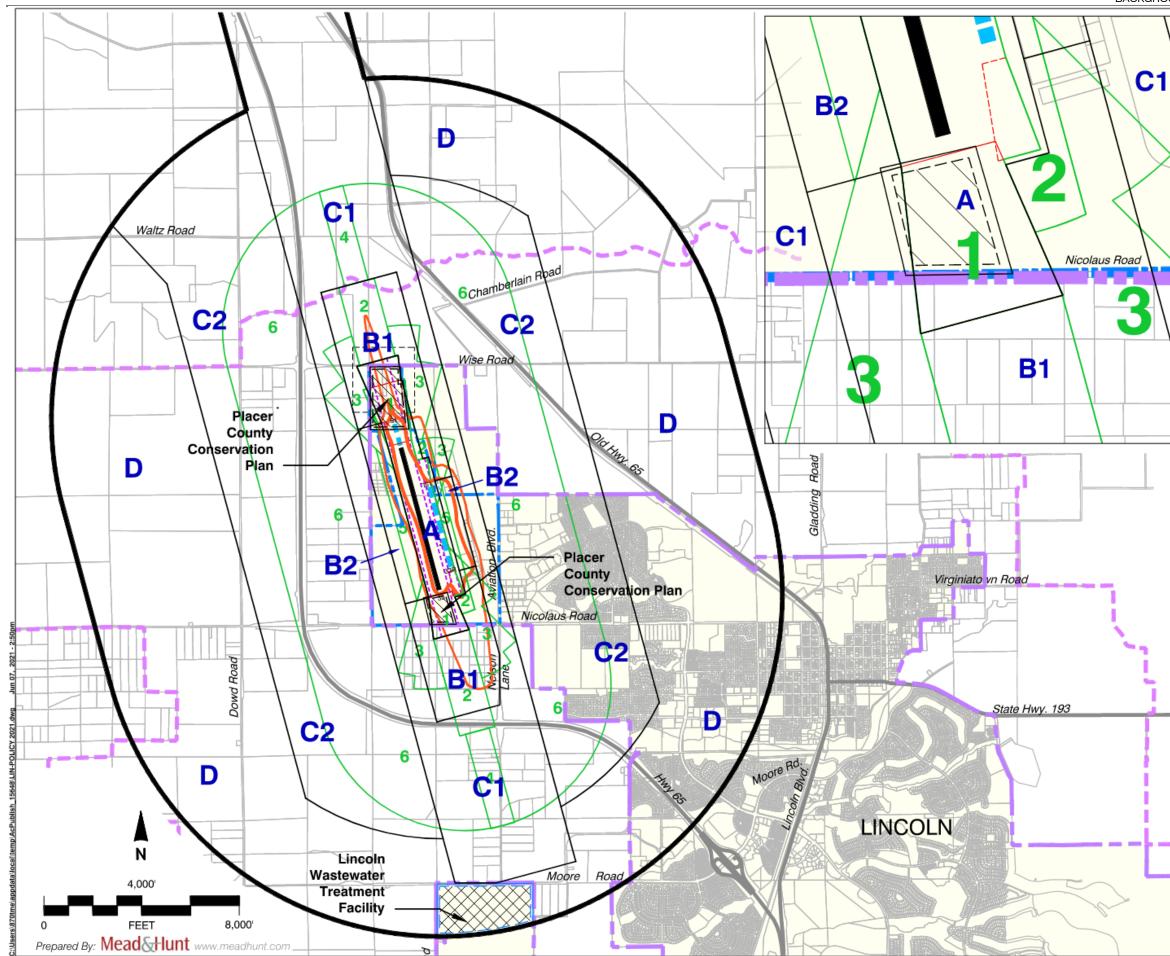
Related Information

- ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)
- ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)



Legend **County Boundaries County Boundaries California Important Farmland: Most** Recent Most Recent Prime Farmland Farmland of Statewide Importance Unique Farmland Grazing Land Farmland of Local Importance Farmland of Local Potential Other Land Confined Animal Agriculture Nonagricultural or Natural Vegetation Vacant or Disturbed Land Rural Residential Land Semi-agricultural and Rural Commercial Land Urban and Built-Up Land Water Area Irrigated Farmland Nonirrigated Farmland

https://maps.conservation.ca.gov/dlrp/ciff/



1	Legend
	Boundary Lines
VI	Placer County Limits (outside map view)
	Lincoln City Limits
Ш	Lincoln Sphere of Influence Existing Airport Property Line
Ш	Future Airport Property Line
	Existing Runway 15-33 (6.000 ft.)
	Future Runway 15R-33L (7,000 ft.)
	Future Runway 15L-33R (3,350 ft.)
	Compatibility Policy Zones (Adopted 2014;
	Proposed - Zone A at South)
	See Special Conditions Policy Section 6.3
	Placer County Conservation Plan
1	Lincoln Wastewater Treatment Facility
	Runway Factors ¹
	Runway Protection Zone (RPZ)
	Runway Object Free Area (ROFA)
VI	Naine Frankry ²
	Noise Factors
	60 dB CNEL 138,000 Annual Operations
	2
	Safety Factors 3
	Generic Safety Zones (Composite) Zone 1, Runway Protection Zone
	Zone 2, Inner Approach/Departure Zone
	Zone 3, Inner Turning Zone Zone 4, Outer Approach/Departure Zone
	Zone 5, Sideline Zone
	Zone 6, Traffic Pattern Zone
	Notes:
	 Source: Lincoln Regional Airport Layout Plan, approved June 2020.
	 Source: Lincoln Regional Airport Master Plan, adopted
	May 2007. 3. Source: California Airport Land Use Planning Handbook
	published October 2011. Generic safety zones are a composite
	of safety zones for Short, Medium and Long General Aviation
	Runways applied to future Runway 15L-33R, Existing Runway 15-33 and Future Runway 15R-33L, respectively. Zone 1
	modified to reflect RPZs.
	Lincoln Pagional Airport
	Lincoln Regional Airport
	Land Use Compatibility Plan
	(Adopted September 22, 2021)
	Exhibit 9D Compatibility Factors Man: Noise and Safety

Compatibility Factors Map: Noise and Safety Lincoln Regional Airport





U.S. Fish and Wildlife Service National Wetlands Inventory

Wetlands



August 1, 2023

Wetlands

- Estuarine and Marine Wetland

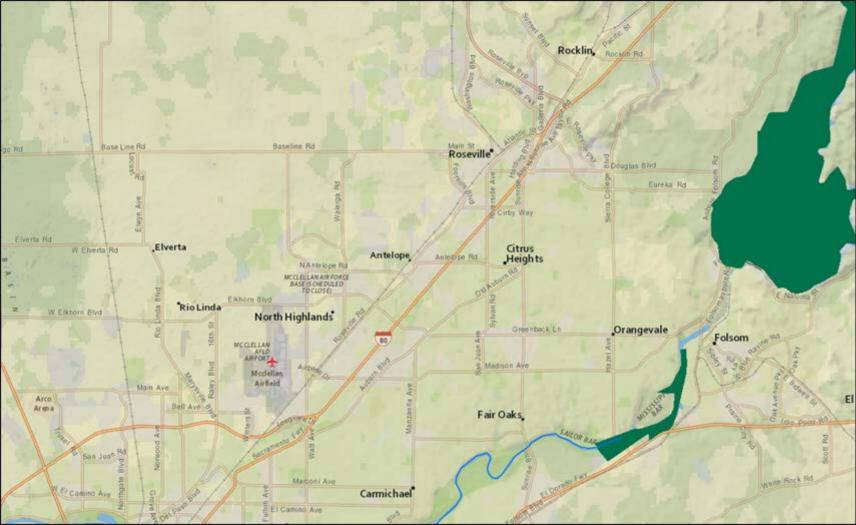
Estuarine and Marine Deepwater

- Marine Wetland
- Freshwater Pond

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

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

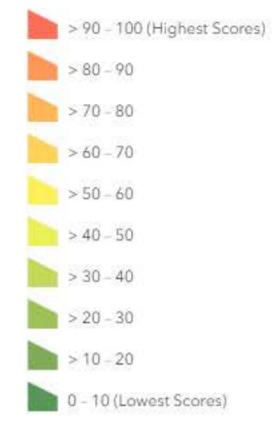


CalEnviroScreen

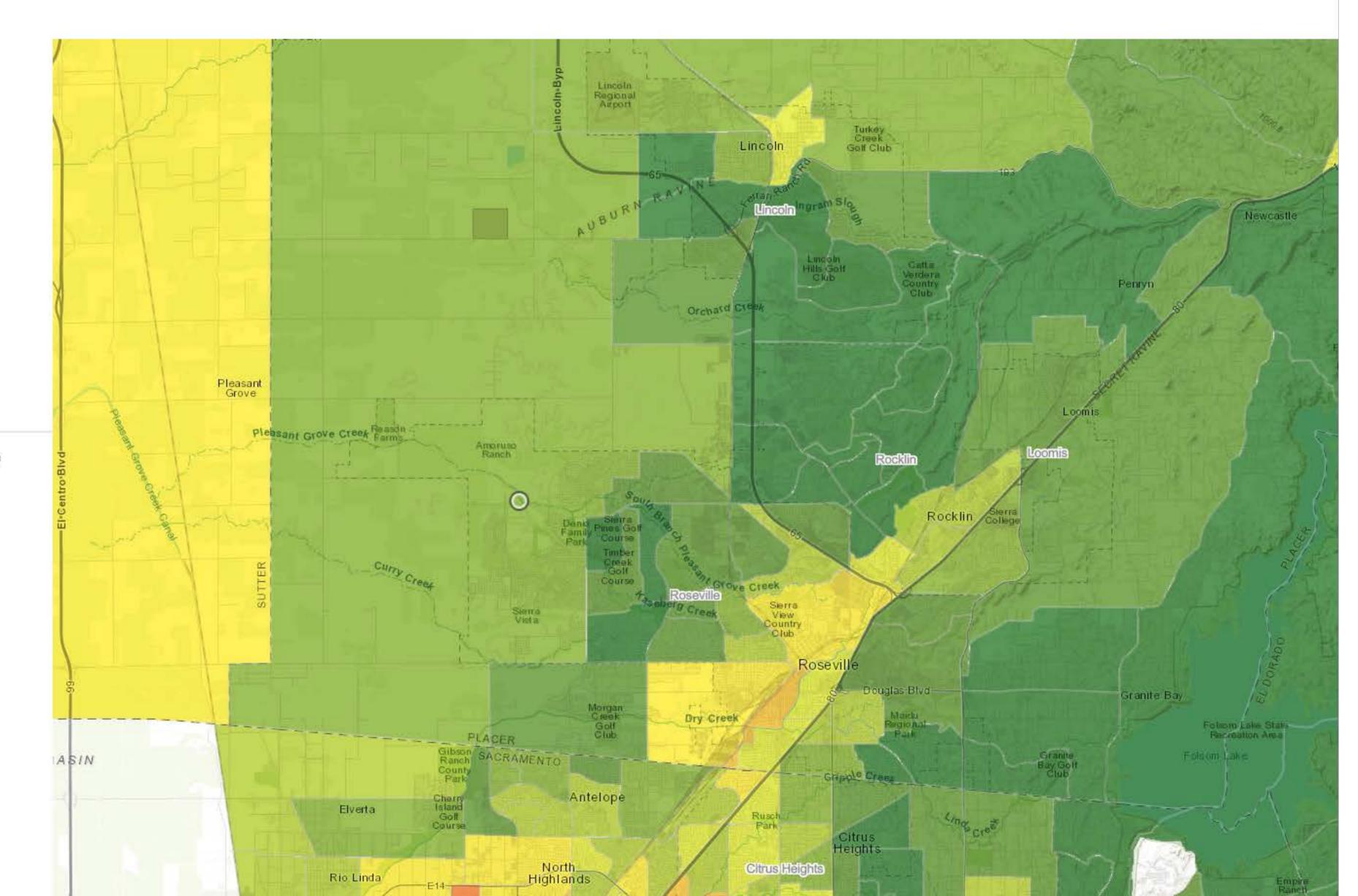
Legend

In

CalEnviroScreen 4.0 Results



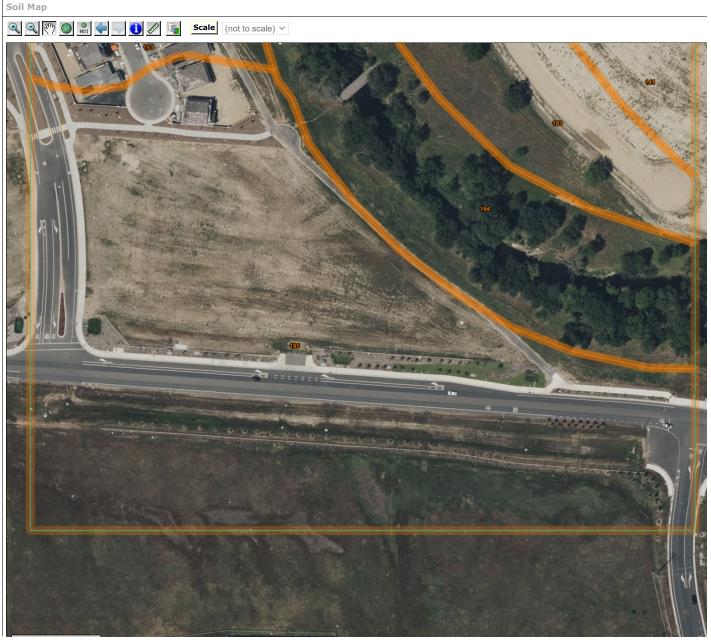
CalEnviroScreen 4.0 High Pollution, Low Population



7/26/23, 11:13 AM

Web Soil Survey USDA Archived Soil Surveys Soil Survey Status Glossary Preferences Link Logout Help AAAA Contact Us Subscribe 🔊 Area of Interest (AOI) Soil Map Soil Data Explorer Download Soils Data Shopping Cart (Free) Printable Version Add to Shopping Cart Search

Map Unit	Legend					
	ounty, California, We ounty, California, V					
Map Unit Map Unit Name Acres Symbol AOI						
141	Cometa- Fiddyment complex, 1 to 5 percent slopes	0.7	3.2%			
193	Xerofluvents, occasionally flooded	3.0	12.8%			
194	Xerofluvents, frequently flooded	4.6	19.5%			
195	Xerofluvents, hardpan substratum	15.1	64.5%			
Totals f Interes	for Area of t	23.3	100.0%			



Warning: Soil Map may not be valid at this scale.
You have zoomed in beyond the scale at which the soil map for this area is intended to be used. Mapping of soils is done at a particular scale. The soil surve design of map units and the level of detail shown in the resulting soil map are dependent on that map 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 r been shown at a more detailed scale.

FOIA | Accessibility Statement | Privacy Policy | Non-Discrimination Statement | Information Quality | USA.gov | White House

Roseville, California Municipal Code

Title 9 HEALTH AND SAFETY

Chapter 9.24 NOISE REGULATION

9.24.100 Sound limits for sensitive receptors.

It is unlawful for any person at any location to create any sound, or to allow the creation of any sound, on property owned, leased, occupied or otherwise controlled by such person, which causes the exterior sound level when measured at the property line of any affected sensitive receptor to exceed the ambient sound level by three dBA or exceed the sound level standards as set forth in Table 1, by three dBA, whichever is greater.

Sound Level Descriptor	Daytime (7:00 a.m. to 10:00 p.m.)	Nighttime (10:00 p.m. to 7:00 a.m.)
Hourly l _{eq} , dB	50	45
Maximum level, dB	70	65

Table 1SOUND LEVEL STANDARDS(for non-transportation or fixed sound sources)

A. Each of the sound level standards specified in Table 1 shall be reduced by five dB for simple tone noises, consisting of speech and music. However, in no case shall the sound level standard be lower than the ambient sound level plus three dB.

B. If the intruding sound source is continuous and cannot reasonably be discontinued or stopped for a time period whereby the ambient sound level can be measured, the sound level measured while the source is in operation shall be compared directly to the sound level standards of Table 1. (Ord. 3638 § 1, 2001.)

Contact:

City Clerk: 916-774-5263

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Roseville city, California

Roseville city, California is a city, town, place equivalent, and township located in California.

// United States / California / Roseville city, California

Populations and People

Total Population 147,773 P1 | 2020 Decennial Census

Education

Bachelor's Degree or Higher **44.7%** *S1501* | 2021 American Community Survey 1-Year Estimates

Housing

Total Housing Units
57,318
H1 | 2020 Decennial Census

Families and Living Arrangements Total Households 57,569

DP02 | 2021 American Community Survey 1-Year Estimates

Income and Poverty

Median Household Income **\$107,714** *S1901* | 2021 American Community Survey 1-Year Estimates

Employment

Employment Rate
63.4%
DP03 | 2021 American Community Survey 1-Year Estimates

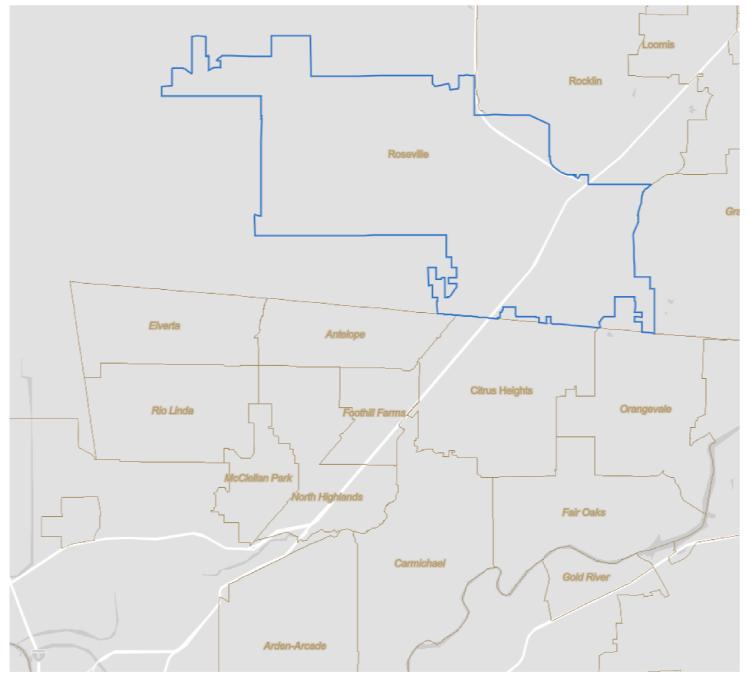
Health
Without Health Care Coverage
1.9%
S2701 2021 American Community Survey 1-Year Estimates

https://data.census.gov/profile?g=160XX00US0662938

O Display Sources

7/24/23, 10:11 AM

Roseville city, California Reference Map



Source: U.S. Census Bureau

CITYWIDE HOUSING

- Goal H1.1 Provide decent, safe, inclusive, and affordable housing in sufficient quantities for all economic segments of the community.
- Goal H1.2 Ensure that all segments of the Roseville community actively work together to provide affordable housing.
- Goal H1.3 Preserve affordability, maintain, and improve Roseville's supply of affordable housing stock.
- Goal H1.4 Increase the opportunity for low- and middle-income households to become homeowners, thereby freeing up rental housing for other low-income households.
- Goal H1.5 Reduce the overall incidence of homelessness among Roseville individuals and families through regional coordinated and comprehensive housing and supportive services.

The following goals, policies, and programs are divided into five sections:

- Affordable Housing
- Residential Land Inventory
- Equitable and Inclusive Housing Choice
- Government and Non-Governmental Constraints to Housing Production
- Residential Energy Efficiency and Conservation

Affordable Housing Goals and Policies

AFFORDABLE HOUSING

Work with the development and business communities to provide affordable rental and homeownership opportunities for extremely low-, very low-, low-, and middle-income households.
Strive to ensure the affordability of Roseville's housing supply over time.
Maximize efforts to meet affordable housing needs by requiring 10% of new housing units be affordable to extremely low-, very low-, low-, and middle-income households.
Integrate the community in terms of income levels to avoid overconcentration of lower-income households.
Encourage the production of rental and owner-occupied high-density, multi-family housing units.

SEPA EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

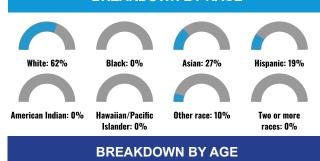
Roseville, CA

Blockgroup: 060610213253 Population: 3,501 Area in square miles: 1.76

COMMUNITY INFORMATION Less than high Low income: People of color: school education: 37 percent 47 percent 6 percent Persons with **Unemployment:** Male: disabilities: 2 percent **44 percent 10 percent** 79 years \$34,714 Number of **Average life** Per canita households: expectancy ist 3, 2023 1:4,514 income 1,143 Project 1 culate Matter 2.5 onal Percentiles) 0.04 0.09 0.17 mi Less than 50 percenti **BREAKDOWN BY RACE** Esi Community Naps Contributors, City of Roseville, California State Parka, © OpenSteetMap, Microaoft, Esi, HERE, Garmin SateGraph, GeoTechnologies, Inc, NETINASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA 50 - 60 perce

LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	67%
Spanish	10%
Russian, Polish, or Other Slavic	2%
Other Indo-European	4%
Vietnamese	3%
Tagalog (including Filipino)	8%
Other Asian and Pacific Island	5%
Other and Unspecified	1%
Total Non-English	33%



Limited English

households:

5 percent

Female:

56 percent

Owner

occupied:

67 percent

From Ages 1 to 4	7%
From Ages 1 to 18	31%
From Ages 18 and up	69%
From Ages 65 and up	8%

LIMITED ENGLISH SPEAKING BREAKDOWN

Speak Spanish Speak Other Indo-European Languages	100% 0%
Speak Asian-Pacific Island Languages Speak Other Languages	0% 0%

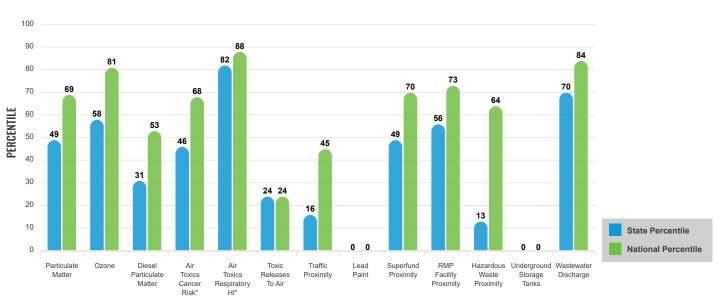
Notes: Numbers may not sum to totals due to rounding. Hispanic popultion can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the <u>EJScreen website</u>.

EJ INDEXES

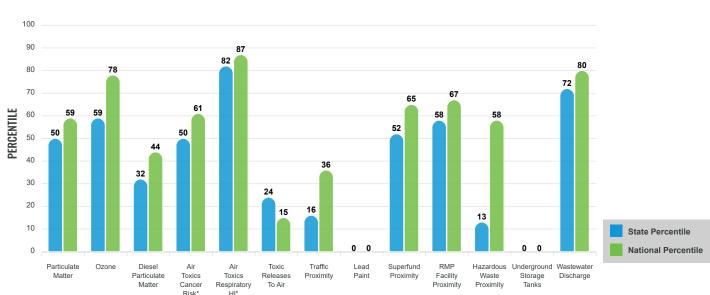
The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.



EJ INDEXES FOR THE SELECTED LOCATION

SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.



SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION

These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

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EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter (µg/m ³)	8.24	8.65	42	8.08	51
Ozone (ppb)	65.7	65.9	56	61.6	79
Diesel Particulate Matter (µg/m ³)	0.152	0.26	24	0.261	32
Air Toxics Cancer Risk* (lifetime risk per million)	30	31	18	28	35
Air Toxics Respiratory HI*	0.5	0.34	87	0.31	92
Toxic Releases to Air	17	780	18	4,600	11
Traffic Proximity (daily traffic count/distance to road)	23	510	11	210	26
Lead Paint (% Pre-1960 Housing)	0	0.31	0	0.3	0
Superfund Proximity (site count/km distance)	0.072	0.17	44	0.13	55
RMP Facility Proximity (facility count/km distance)	0.26	0.57	56	0.43	64
Hazardous Waste Proximity (facility count/km distance)	0.48	5.9	9	1.9	49
Underground Storage Tanks (count/km ²)	0	1.5	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.24	4	72	22	86
SOCIOECONOMIC INDICATORS					- -
Demographic Index	42%	45%	47	35%	66
Supplemental Demographic Index	14%	15%	51	14%	54
People of Color	47%	61%	33	39%	64
Low Income	37%	28%	69	31%	65
Unemployment Rate	2%	7%	24	6%	34
Limited English Speaking Households	5%	9%	48	5%	74
Less Than High School Education	6%	16%	34	12%	39
Under Age 5	7%	6%	66	6%	68
Over Age 64	8%	16%	21	17%	17
Low Life Expectancy	19%	18%	64	20%	44

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

Sites reporting to EPA within defined area:

Superfund
Water Dischargers
Air Pollution
Brownfields
Toxic Release Inventory0

Other community features within defined area:

Schools
Hospitals0
Places of Worship0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	Yes

Selected location contains American Indian Reservation Lands*
Selected location contains a "Justice40 (CEJST)" disadvantaged community No
Selected location contains an EPA IRA disadvantaged community No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	19%	18%	64	20%	44
Heart Disease	4.2	5.2	23	6.1	14
Asthma	9.1	9.5	37	10	27
Cancer	5.5	5.3	59	6.1	35
Persons with Disabilities	9.9%	10.9%	48	13.4%	32

CLIMATE INDICATORS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	5%	13%	46	12%	41
Wildfire Risk	96%	30%	80	14%	93

CRITICAL SERVICE GAPS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	5%	10%	36	14%	26
Lack of Health Insurance	3%	7%	24	9%	20
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Footnotes

SEPA EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Placer County, CA

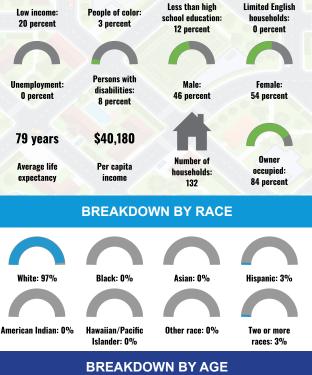
Blockgroup: 060610213285 Population: 292 Area in square miles: 30.75

COMMUNITY INFORMATION



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	70%
Spanish	7%
German or other West Germanic	1%
Russian, Polish, or Other Slavic	1%
Other Indo-European	10%
Chinese (including Mandarin, Cantonese)	1%
Vietnamese	2%
Tagalog (including Filipino)	5%
Other Asian and Pacific Island	2%
Total Non-English	30%



From Ages 1 to 4	0%
From Ages 1 to 18	4%
From Ages 18 and up	96%
From Ages 65 and up	36%

LIMITED ENGLISH SPEAKING BREAKDOWN

Speak Spanish	0%
Speak Other Indo-European Languages	0%
Speak Asian-Pacific Island Languages	0%
Speak Other Languages	0%

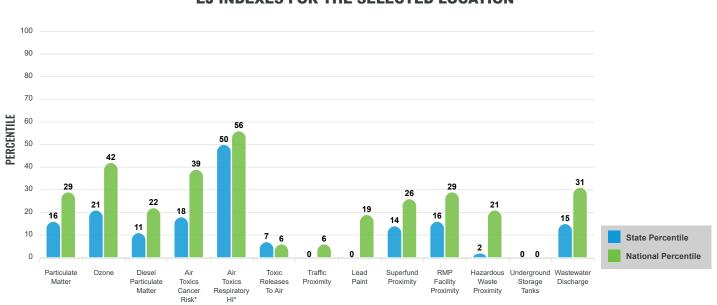
Notes: Numbers may not sum to totals due to rounding. Hispanic popultion can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the <u>EJScreen website</u>.

EJ INDEXES

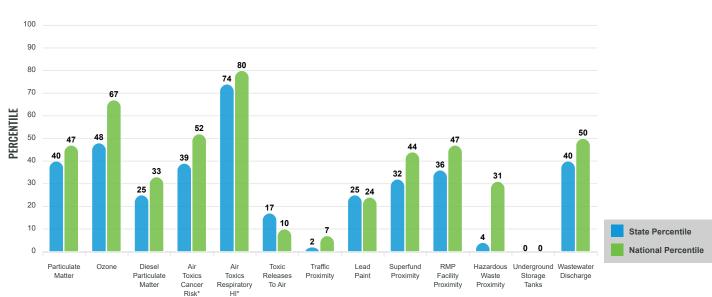
The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.



EJ INDEXES FOR THE SELECTED LOCATION

SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.



SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION

These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

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EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter (µg/m ³)	8.24	8.65	42	8.08	51
Ozone (ppb)	65.7	65.9	56	61.6	79
Diesel Particulate Matter (µg/m ³)	0.152	0.26	24	0.261	32
Air Toxics Cancer Risk* (lifetime risk per million)	30	31	18	28	35
Air Toxics Respiratory HI*	0.5	0.34	87	0.31	92
Toxic Releases to Air	15	780	16	4,600	10
Traffic Proximity (daily traffic count/distance to road)	2.2	510	2	210	7
Lead Paint (% Pre-1960 Housing)	0.038	0.31	24	0.3	23
Superfund Proximity (site count/km distance)	0.051	0.17	32	0.13	44
RMP Facility Proximity (facility count/km distance)	0.16	0.57	37	0.43	48
Hazardous Waste Proximity (facility count/km distance)	0.15	5.9	4	1.9	29
Underground Storage Tanks (count/km ²)	0	1.5	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0022	4	42	22	55
SOCIDECONOMIC INDICATORS					
Demographic Index	11%	45%	3	35%	13
Supplemental Demographic Index	10%	15%	34	14%	35
People of Color	3%	61%	0	39%	9
Low Income	20%	28%	42	31%	36
Unemployment Rate	0%	7%	0	6%	0
Limited English Speaking Households	0%	9%	0	5%	0
Less Than High School Education	12%	16%	54	12%	65
Under Age 5	0%	6%	0	6%	0
Over Age 64	36%	16%	94	17%	93
Low Life Expectancy	19%	18%	64	20%	44

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

Sites reporting to EPA within defined area:

Superfund	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities	0
Water Dischargers	10
Air Pollution	5
Brownfields	0
Toxic Release Inventory	2

Other community features within defined area:

Schools 0
Hospitals0
Places of Worship0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	Yes

Selected location contains American Indian Reservation Lands*
Selected location contains a "Justice40 (CEJST)" disadvantaged community No
Selected location contains an EPA IRA disadvantaged community No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS						
INDICATOR HEALTH VALUE STATE AVERAGE STATE PERCENTILE US AVERAGE US PERCENTILE						
Low Life Expectancy	19%	18%	64	20%	44	
Heart Disease	4.2	5.2	23	6.1	14	
Asthma	9.1	9.5	37	10	27	
Cancer	5.5	5.3	59	6.1	35	
Persons with Disabilities	5.3%	10.9%	7	13.4%	6	

CLIMATE INDICATORS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	10%	13%	63	12%	65
Wildfire Risk	62%	30%	70	14%	87

CRITICAL SERVICE GAPS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	4%	10%	32	14%	23
Lack of Health Insurance	1%	7%	4	9%	3
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Footnotes

HUMAN SERVICES

x Accessing Services During COVI **Placer County News & Updates** How can I help? **NEWS** Ask a Question Medi-Cal renewals are End of the CalFresh NOTICE TO ALL CAI **Temporary Student** starting! **RECIPIENTS – END OF** Read on... **Exemptions CALFRESH EMERGENCY** Read on... **ALLOTMENTS** Read on Select Language **Google** Translate

Options to Access Services

Your safety and the safety of our staff are important to us. All of our office locations are open to the public however, most of your needs can be met online or by phone. We appreciate your help to keep us all safe.

- You do not have to come into our office to apply for benefits.
- You can turn in your verifications online or in the drop boxes located in the front of our buildings 24 hours per day, 7 days per week.
- In-person assistance is available Monday through Friday if you are unable to use phone or online options.

To apply for benefits you may submit an application:

- Online <u>https://benefitscal.com/</u>
- By Fax- (916) 784-6100
- By Mail- P.O. Box 20400, Auburn CA 95604

To get general benefit information, ask case questions, or speak to an Eligibility Specialist, you may call our Call Center at:

1-888-385-5160

You may also use this number to:

- Request forms
- Request a new BIC or EBT card
- · Get benefit information or a status update on your case
- Request an application for benefits
- Add someone to your case
- Change your address
- Help with your BenefitsCal.com account

Human Services provides a variety of programs to help Placer County families and individuals have a better future through access to healthy nutrition, healthcare, affordable housing, and training and temporary assistance when times are difficult. We are dedicated to ensuring a better and healthy quality of life for the residents of Placer County. We strive to provide the highest quality of public service to meet the needs of Placer County families and single adults, veterans, seniors and persons with disabilities.

Healthcare Coverage

Food &

Nutrition

Assistance

Healthcare Coverage

Helps pay for health and medical care for children and families, seniors, and adults with disabilities. Find information about healthcare by going to <u>Covered CA</u>, <u>California's healthcare marketplace</u>.



The <u>Affordable Care Act</u> provides affordable medical coverage to adults. <u>Medi-Cal</u> provides medical, dental, vision and mental health care to eligible individuals and families at little or no cost. <u>Medical Care Services Program (MCSP)</u> provides medical services to adults that are not eligible to services through Medi-Cal or Medicare Expansion.

Food & Nutrition Assistance

<u>CalFresh</u> - Food Stamps - formerly known as Food Stamps, provides monthly food benefits to assist low income households in purchasing the food they need. If you are finding it difficult to afford the nutritious food that you and your family needs, the CalFresh program may be able to help.

<u>Women, Infants, and Children Program (WIC)</u> - WIC operates under the Public Health Division and is a federallyfunded health and nutrition program for women, infants, and children.

Are you receiving Unemployment Insurance Benefits?

Here's a link to information about how to access your UI benefit payment information. UIB Guide for CalFresh.

Cash Assistance

<u>CalWORKs and Employment Services</u>, provides time-limited cash aid and employment services that promote selfsufficiency for families with children. Employment Services can assist you in finding work through the <u>Business</u> <u>Advantage Network</u>. Receive daily job leads and information on job fairs and recruiting events.

Housing Assistance <u>General Relief</u> provides time-limited cash aid for those who do not have dependent children. You must apply in person at a Human Services office.

<u>Cash Assistance Program for Immigrants (CAPI)</u> is a 100 percent state-funded program designed to provide monthly cash benefits to aged, blind, and disabled non-citizens who are ineligible for SSI/SSP solely due to their immigrant status.

Housing Assistance

<u>The Housing Choice Voucher Program</u>, formerly known as the Section 8 Voucher Program, provides rental assistance to help low income families, persons with disabilities, and seniors live in affordable, safe, and decent housing.

Contact Us

Human Services

Contact Human Services

Mailing Address

P.O. Box 20400 Auburn, CA 95604

Phone: Toll free 1-888-385-5160

<u>Directory</u>

Human Services Office in Rocklin

Physical Address 1000 Sunset Boulevard 220 Rocklin, CA 95765

Google Translate

Ξ

(https://wpwma.ca.gov/placer-recycles/)

About the WPWMA

History of the WPWMA

A reliable community resource

Western Placer Waste Management Authority (WPMWA) is a regional agency established in 1978 through a joint exercise of powers agreement between Placer County and the cities of Lincoln, Rocklin, and Roseville (Member Agencies) to own and operate a regional recycling facility and sanitary landfill.

The WPWMA's mission is to create solutions and transform waste into a resource for a sustainable environment and prosperous economy.





Faced with population growth, strict government recycling mandates, and the increased amount of waste entering our landfill each year, the WPWMA is exploring innovative solutions to our challenges. These innovations include compatible technologies, renewable energy and fuel production, partnerships with local universities to promote research and development, and the discovery of other ways to reduce the waste stream. Solid waste management can be an economic stimulator that helps all of us in Placer County live more sustainably.

Challenges of a growing community in a sustainable world

Population

Placer County's distinction of being the second-fastest-growing county in California is undoubtedly warranted. By 2050, the County of Placer General Plan projects an increase in the county's overall population to a total of 750,000 residents, almost doubling the number of current residents. The WPWMA's solid waste management capacity will need to increase to support the demands of a growing and vibrant regional economy.



Historically, the export of recyclable materials has been a critical component of all waste management organizations. Changes to international policies restricting imports of recyclable materials and the declining global plastic and paper scrap market, continue to pose significant challenges. The WPWMA seeks solutions through public private partnerships to foster the development of local markets for our recyclable materials.

California's Legislative Environment

Increasingly stringent state legislation to reduce greenhouse gas emissions now mandates a 75% reduction in the amount of organics disposed of in landfills. SB 1383 legislation requires every jurisdiction to ensure systems are in place to recover and recycle organic materials. Check out our <u>regulations page</u> (https://wpwma.ca.gov/facilities/regulatory-compliance/) for more information.

The Future of Waste Management in Placer County

How we manage our waste is crucial to the economic development and continued vitality of Placer County. That's why the WPWMA is seriously committed to developing innovative solutions to waste management through community engagement, public-private partnerships, and <u>establish well-planned facility infrastructure.</u> (https://wpwma.ca.gov/renewable-placer/)

Renewable Placer: Waste Action Plan

The Waste Action Plan identifies the changes needed to the WPWMA's campus and operations to ensure we can support the future solid waste management and recycling needs of its rapidly growing communities. We are expanding our operational capacity including composting and construction & demolition operations while maintaining public safety and reducing facility traffic congestion and customer wait times. The expansion includes the designation of the WPWMA's eastern property for compatible manufacturing and technology to jumpstart a local circular economy and the western property for future landfill development. The Materials Recovery Facility welcomes a new operator and a dramatic \$120 million in improvements to divert more food waste and recyclables. Learn more on our <u>Renewable Placer page. (https://wpwma.ca.gov/renewable-placer/)</u>

Public-Private Partnerships – Finding value in the waste stream

The WPWMA is shifting the historical dynamic of linear solid waste management — take, make and dispose of — to a new model circular resource management, where old products become new products. In short, we are searching for real value in the waste stream of Placer County, and we are collaborating with partners to expedite that commitment.

Working with us to find and mentor new industries and entrepreneurial technologies is California State University Sacramento's Carlsen Center for Innovation & Entrepreneurship. The Carlsen Center is a regional hub providing entrepreneurial education, community, and support for startup founders of all backgrounds to explore and launch their businesses. This collaboration will generate innovations and help us jumpstart a local circular economy.

To that end, the WPWMA is sponsoring <u>The Circular Economy Innovation Competition</u> (https://wpwma.ca.gov/six-local-entrepreneurs-selected-as-finalists-in-inaugural-circular-economyinnovation-competition/) to unearth innovative ideas, technologies, and startups in the circular economy and waste space and offer the opportunity to compete for \$20,000 at an in-person pitch event.

The WPWMA's ambitious plans contribute to our goal of enhancing investment in innovation.

CALGreen Construction Waste Management Requirements

Waste Diversion

CALGreen requires covered projects to recycle and/or salvage for reuse a minimum 65% of the nonhazardous construction and demolition waste or meet a local construction and demolition waste management ordinance, whichever is more stringent.

The code applies to various occupancies and types. Please see <u>this table</u> for general requirements for each type. For specifics on the code's scope, see Section 101.3. Also see Section 101.11 for a list of steps that can be used to determine which sections apply to each type of occupancy.

Methods of Compliance

- Enforcing agencies can require contractors to develop and maintain a waste management plan and document diversion and disposal. OR
- Utilize a waste management company that can provide verifiable documentation that it meets 65% waste diversion. OR
- Use a waste stream reduction alternative:
 - Non-residential new construction and residential high rise (4 stories or more) projects with a total disposal weight of ≤ 2 lbs/ft2 meets the 65% waste diversion requirement.
 - Residential low rise (3 stories or less) with new construction disposal of \leq 3.4 lbs/ft2 meets the 65% waste diversion requirement.

	2015	2020	2025	2030
Potable	22,881	41,054	43,300	46,074
Recycled	4,060	4,421	4,791	5,259
Total	26,941	45,475	48,091	51,333

Table 6-6: Total and Projected Water Use and Demand (acre-feet/year)

Source: City of Roseville 2016d

A comparison between Table 6-5 supply reliability and Table 6-6 expected demand shows that the City has sufficient water through 2020, the period covered by this MSR. By 2030, the data shows the City has sufficient water supply if current conservation programs and planned recycled water production are maintained.

Baseline Daily Per Capita Water Use

In November 2009, SB X7-7, The Water Conservation Act of 2009, was signed into law. The Act addresses both urban and agricultural water conservation. The legislation set a goal of achieving a 20 percent statewide reduction in urban per capita water use by the year 2020. The City's compliance was first addressed in the City's 2010 UWMP and updated in the 2015 UWMP. The City has achieved compliance with its 2015 interim target and has addressed its plan to meet the 2020 final target in the 2015 UWMP.

The City identified the Baseline Period as the 10- to 15-year period that resulted in a calculated average baseline gallons per capita per day (GPCD) of 309 gallons. The resulting targets are then 2015 Interim Target of 278 GPCD and 2020 Confirmed Target of 247 GPCD. The City achieved an Actual 2015 GPCD of 165, well below the Interim Target.

DETERMINATIONS

- **6.1.1:** The City has sufficient water supply to meet the demand through the timeframe of this MSR. Supply reliability is above 80 percent in prolonged drought conditions.
- **6.1.2:** The City operates six wells used in case of emergency.
- **6.1.3:** The City is a signatory to the Water Forum Agreement.
- **6.1.4:** The City maintains a storage capacity of 32 million gallons in six storage tanks.
- **6.1.5:** The City has addressed compliance with SB X7-7 Interim Target reduction and established a Final Target Goal for 2020.

6.2 - Wastewater

The City provides wastewater services through its Environmental Utilities Department. Roseville's Wastewater Collection Division (WWD) serves an area of approximately 42 square miles and provides service to approximately 43,619 connected customers and a population of 128,832. The wastewater collection system consists of approximately 739.11 miles of sewer pipe ranging in diameter from 4 to 72 inches, 9,973 maintenance holes, and 15 neighborhood lift stations. The WWD is responsible for the management, operations, and maintenance of the City's sanitary sewer collection system, including inspections, cleaning, repairing, and monitoring the gravity sewer lines, force mains, and lift stations. One small portion of the City's collection system and is treated at the Sacramento Regional WWTP. Requirements for operations and maintenance, design and performance, emergency response, monitoring, and other necessary procedures audits and reports

are outlined in the City's Sewer System Management Plan (SSMP). The SSMP was recertified by the City Council in December 2016 as is required each five years.

Average dry weather flow in the sewer system is approximately 17 mgd. The WWD has experienced a moderate number of Sanitary Sewer Overflow incidences, approximately 168 in the last 3 years ending 2015, resulting in approximately 6,826 gallons of release from the sanitary sewer collection and conveyance system. These occurrences are due to blockage in the service laterals. They increased in number slightly over the last three-year period, mostly related to root-related blockages, but were mitigated in a timely manner, averaging a response time of 19 minutes.

The SPWA was created in 2000 to oversee policy for funding regional wastewater infrastructure. The SPWA consists of three separate agencies: the City of Roseville, the South Placer Municipal Utility District (SPMUD), and Placer County. The three agencies provide service to Roseville, Rocklin, Loomis, portions of Granite Bay, and portions of unincorporated Placer County. The SPWA published the most recent South Placer Regional Wastewater and Recycled Water Systems Evaluation (Evaluation) in 2014 to provide SPWA with a new baseline characterization of its wastewater and recycled water systems for 2014 and buildout conditions, and to provide a longterm planning tool for identifying and implementing capital improvement projects.

The Evaluation recommends one trunk sewer improvement for buildout conditions for the City of Roseville only if additional investigation deems it necessary. The improvement consists of a 21-inch gravity sewer with an estimated capital Cost of \$1,452,000 and a proposed capital improvement program (CIP) budget cost of \$1,888,000. Recommended sewer extension projects for the City of Roseville include 8,550 feet of force mains and two pump stations with an estimated capital cost of \$4,386,000 and a proposed CIP budget cost of \$5,702,000. Intensification and rezoning in Roseville and Rocklin would add additional flows to the buildout scenarios. The Evaluation indicates that intensification and rezoning would not affect its recommendations.

Wastewater Treatment Facilities

The Dry Creek Wastewater Treatment Plant (DCWWTP) located on Booth Road, processes wastewater from eastern and southern portion of Roseville. The Pleasant Grove Wastewater Treatment Plant (PGWWTP) west of Sun City Roseville within the West Roseville Specific Plan processes wastewater from the northwest portion of Roseville.

The rate structure is specified in the Roseville Municipal Code. The monthly rate effective July 1, 2016 is \$34.70 per sewer unit. The City has a special sewer rate for outside of city-served connections that is 10 percent higher.

The DCWWTP collection system is primarily gravity flow. Treatment consist of screening, primary clarification, aeration, secondary clarification, filtering and disinfection. In May 2009, the disinfection system was converted from chlorine to a UV system. The UV system allows the DCWWTP to comply with the California Toxics Rule that requires the chlorine content of the effluent to be in the parts-per-billion range. Water from the plant meets all requirements for Title 22 recycled water standards and "full unrestricted use" as specified by the California Department of Health Services. Some of the recycled water is used for irrigation of four major golf courses, parks, and streetscapes. The remainder is discharged into Dry Creek. The current average dry weather flow (ADWF) is approximately 9.3 mgd, of which approximately 6 mgd come from the City of Roseville. The peak daily wet weather flow (PWWF) reported in 2015 was 25.1 mgd. The plant can discharge up to 18 mgd ADWF and 45 mgd PWWF into Dry Creek under an existing National Pollutant Discharge Elimination System (NPDES) Permit No. CA0079502/Waste Discharge Requirements (WDR) No. R5-2014-0049 adopted on March 28, 2014 .

Similar to the DCWWTP, the PGWWTP collection system operates primarily by gravity flow. Treatment consists of screening, primary clarification, aeration, secondary clarification, filtering, and ultraviolent disinfection. Water from the plant meets all requirements for Title 22 recycled water standards and "full unrestricted use" as specified by the California Department of Health Services. Some of the recycled water is used to supply cooling water to the Roseville Energy Park and irrigation for landscaping in the West Roseville Specific Plan. The remainder of the water is discharged into Pleasant Grove Creek.

The PGWWTP is permitted to treat 12 mgd ADWF and 30 mgd PWWF. The plant currently treats approximately 7.4 mgd ADWF and 16.9 mgd PWWF. The PGWWTP is presently authorized to discharge treated effluent into Pleasant Grove Creek under the NPDES Permit No. CA0084573/WDR No. R5-2014-0051 adopted on March 28, 2014. Under this permit, discharges are allowed up to ADWF of 12 mgd until additional treatment facilities are completed and then up to 15 mgd. The PGWWTP will serve the recently approved ARSP Area.

Recently completed projects include the alternative analysis for the DCWWTP, Nitrate plus Nitrate Reduction Project, securing of grant funding for the DCWWTP Cogeneration Project, completion of the 30 percent design of the PGWWTP Expansion Project, completion of the preliminary design of the PGWWTP Energy Recovery Project, and commenced configuration of the PGWWTP and DCWWTP SCADA systems.

Financing of Wastewater Facilities

The City participates in the South Placer Wastewater Authority primarily as a financing entity for facilities. The SPWA issues debt and the City pays its proportionate share based on a formula of capacity and flows. The City uses revenues from operations and connection fees to pay its annual debt service. The City share is 61.66 percent and—as of June 30, 2016—the outstanding principal and interest on the three debt issues of Bonds was \$107,320.040. In FY 2016, \$5,667,057 in debt service was paid from the Rate Stabilization Fund by the Authority.

DETERMINATIONS

- **6.2.1:** The City participates in the SPWA and operates two regional wastewater treatment facilities.
- **6.2.2:** The current system has excess capacity and can accommodate anticipated growth.

6.3 - Solid Waste

Solid waste collection and disposal is one of the many services provided by the City through the Environmental Utilities Solid Waste Division. Fees are collected from residential, commercial, and industrial customers to cover costs for collection and disposal. Residential rates effective July 1, 2015 are \$23.40 for a 60- or 90-gallon container. Commercial rates have been \$9.60 since July 1, 2012.

Solid waste is transported to the Western Placer Material Recovery Facility (MRF) operated by the WPWMA, which comprises the cities of Lincoln, Rocklin, and Roseville, and Placer County. The MRF opened in November 1995 at the WRSL. The WPWMA contracts with Nortech Waste, LLC, a private firm, to operate the MRF and with Nortech Landfill, Inc., a private firm, to operate the landfill.

The WRSL handles refuse from both municipal and commercial haulers. The refuse is sorted to recover recyclable materials, including green waste, ferrous/metallic items, plastic and glass, scrap paper, junk mail, magazines, paperboard, and cardboard. The facility has two units covering 281 acres, of which 231 acres are available for disposal. Unit 1 is permitted to handle 1,900 tons

6-9



Chapter 7 Water Service Reliability and Drought Risk Assessment

This chapter describes the long-term reliability of the City's water supply portfolio in all hydrologic year types through the year 2045. The City's existing and planned water management strategies and options for increasing the reliability of water supplies are also addressed. Shorter term reliability planning that may require immediate action, such as drought or a catastrophic supply interruption, is addressed in the Water Shortage Contingency Plan.

7.1 Constraints on Water Sources

This section addresses potential legal, environmental, water quality, and climatic effects on the reliability of water supply sources through the year 2045.

7.1.1 Legal Constraints

The City does not anticipate legal factors to affect the reliability of recycled water or purchased water supply within the planning horizon of this UWMP.

There are no existing legal constraints that limit groundwater pumping and the groundwater basin is not currently adjudicated. However, as an updated sustainable yield for the subbasin has yet to be defined under SGMA, the legal authority to enforce the sustainable yield of the subbasin has not been created, and the basin is subject to the users' cooperation in managing the basin until a formal authority is created. The City actively participates in regional discussions regarding best practices and cooperative management of water resources. These issues and concerns are being discussed in forums like the Regional Water Authority and as part of the Western Placer County Groundwater Management Plan along with sustainable groundwater management objectives and activities. The collaborative group of City of Roseville, PCWA, City of Lincoln, and California American Water is responsible for and has been identified as the responsible entity for monitoring groundwater levels meeting requirements of the 2009 SB X7-6 California State Groundwater Elevation Monitoring Program (CASGEM) program. Information gathered as part of this program was included in the groundwater model that was developed to support the ASR application with the Regional Water Quality Control Board to determine impacts of proposed extractions and injections related to groundwater levels in the region.

7.1.2 Water Quality Constraints

The City's water supply portfolio consists of high-quality surface water, recycled water, and groundwater resources. In some areas of the City, iron and manganese can be found in native groundwater at concentrations both above and below the secondary taste and odor maximum contaminant level established for these constituents. The City monitors groundwater quality closely, to ensure water provided for potable use does not exceed these standards.

7.1.3 Physical Constraints

The physical constraints of recycled water, surface water, and groundwater are discussed in the following sections.

7.1.3.1 Recycled Water

Recycled water is physically constrained by flows into the City's wastewater treatment plants. It is therefore seasonally available in higher quantities when demands are lowest during the wet season. The distribution



network of "purple pipe" is also a physical constraint for this supply source, as it only exists in the western portion of the City. Access to recycled water and its availability to offset potable needs are therefore, limited by physical access to this pipe network.

7.1.3.2 Surface Water

The City has identified its Folsom Lake intake as a likely physical constraint on current surface water supplies. All three surface water contract supplies are received through this point of diversion, making it a critical facility for the reliability of Roseville's surface water supply. If the water level of Folsom Lake were to drop close to or below the intake elevation as it nearly did in 2015, the City would not be able to divert water without additional infrastructure. The City is also able to receive supply through interties in emergency conditions; however, the WTP represents the primary diversion point. As a result of this vulnerability and lessons learned in the 2015 drought year, the City is actively exploring cooperative efforts with Folsom diversion and operation partners to duplicate or lower the intake facility to alleviate this concern. The City is likewise examining options for alternate diversion points or use of interties to increase reliability of physical water supply access.

The capacities of the Folsom Dam diversion, Roseville Water Treatment Plant, and distribution systems are sufficient to divert, treat, and convey the projected surface water demands. A 150 cubic feet per second (cfs) capacity limitations at the USBR pumping plant, which was agreed to based on recent pumping plant improvements, is sufficient to provide water to meet the City's needs.

7.1.3.3 Groundwater

The physical constraints on the current groundwater supply are the pumping capacities of existing wells. The total pumping capacities from all the six wells are about 11,050 GPM, approximately 15.9 MGD, per Chapter 3 . The City plans to install 6 additional wells by 2035 to provide additional groundwater supplies. Currently, the City plans to design all new wells with ASR capability to allow for greater groundwater banking and extraction capability throughout seasonal variations in surface water supply availability. Many of these planned well sites have been reassessed and relocated to areas of the City's surface are with more advantageous groundwater conditions as well as hydraulics with respect to the distribution network. Installation of wells higher in the hydraulic grade area of the system will allow for a greater downstream sphere of influence for this infrastructure and more flexible system operation in times of reliance on groundwater.

7.1.4 Other Constraints

Aside from legal and physical constraints, several other considerations affect the availability and reliability of Roseville's water supply portfolio. The City's purchased surface water supply is subject to reductions during dry years (seasonal and climatic shortages) pursuant to the Water Forum Agreement (WFA), the USBR Operations Criteria and Plan (OCAP), and the Central Valley Project Municipal and Industrial Water Shortage Policy (CVP M&I WSP). These agreements and programs are discussed in greater detail in the following subsections.

7.1.4.1 Sacramento Water Forum Agreement

The Sacramento Water Forum is a diverse group of business and agricultural leaders, citizen groups, and environmentalists, water managers, and local governments working together to balance two co-equal objectives:



- 1. Provide a reliable and safe water supply for the Sacramento region's longterm growth and economic health.
- 2. Preserve the fishery, wildlife, recreational and aesthetic values of the Lower American River.

The City, along with several other Sacramento-area water suppliers are signatory to the January 2000 Water Forum Agreement which includes Purveyor Specific Agreements, with the most recent revisions affected to these agreements in 2015. The Water Forum Agreement provides the framework for how water resources, including surface water and groundwater supplies would be used in the region, through the year 2030. The City's Purveyor Specific Agreement includes limitations on City surface water diversions from the American River under various hydrologic conditions. The Water Forum categorized water years into three types, all of which are defined in terms of the projected March through November unimpaired flow into Folsom Reservoir. These hydrologic year types are as follows in COR Table 7-A.

COR Table 7-A	Water Forum Agreement Hydrologic Year Types	
	in a contract of	

Year Type	Unimpaired Flow into Folsom Reservoir
Normal/Average or Wet Year	Greater than or equal to 950,000 AF
Drier Year	Between 400,000 and 950,000 AF
Driest/Critically Dry Year	Less than 400,000 AF

Although Roseville's water contract entitlements total 66,000 AF/yr, the City's diversions from the American River are limited by the WFA in normal/wet years, drier, and driest years. In normal/wet years, the City has agreed to limit surface water diversions from the American River to 58,900 AF/yr. In driest or critically dry years, the maximum diversion from the American River is limited to 43,800 AF/yr. In drier years, the City may divert an amount between 43,800 and 58,900 AF/yr from the American River, calculated linearly depending on the unimpaired flow into Folsom Reservoir, as shown in Figure 7-1.

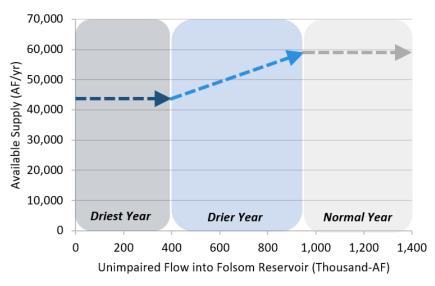


Figure 7-1 Water Forum Agreement Supply Limitations



It is important to note that during the drier and driest years, the City has an agreement with PCWA to release an additional 20,000 AF/yr of water down the American River on the City's behalf through re-operation of PCWA's American River Middle Fork Project (MFP). This 20,000 AF/yr of water is not part of the City's contracted supply of 66,000 AF/yr. The intent of the MFP re-operational releases during drier and driest years is to mitigate environmental impacts resulting from increased diversions above 1995 baseline levels.

7.1.4.2 USBR Operations Criteria and Plan

In addition to the WFA, the City's USBR water is also subject to restrictions as detailed in the 2004 Long Term Central Valley Project Operations and Criteria Plan (location on USBR's website). Chapter 5 of the OCAP entitled "Operations Forecasting" states that CVP allocations can be affected by:

- Forecasted reservoir inflows and Central Valley hydrologic water supply;
- Current amounts of storage in upstream reservoirs and in San Luis Reservoir;
- Projected water demands in the Sacramento Valley;
- Instream and Delta regulatory requirements;
- Annual management of 3406(b)(2) resources (related to fish and wildlife); and/or
- Efficient use of CVP-SWP export capacity through Joint Point of Diversion flexibility.

The OCAP includes a requirement that contractors be informed by USBR no later than February 15 of any possible deficiency in supplies that year. Since 1992, increasing constraints placed on operations by legislative and ESA requirements have made water delivery to CVP contractors more difficult, with recent drought conditions further impacting deliveries. Additionally, it is important to note that the City's USBR water deliveries may be curtailed purely based on downstream Delta conditions, irrespective of available upstream supply.

7.1.4.3 Central Valley and Industrial Water Shortage Policy

Upon a condition of shortage as determined by the OCAP, the CVP M&I WSP details the "incremental steps" by which available M&I water supply is allocated to the CVP water service contractors. From the November 2015 USBR news release, elements of the CVP M&I WSP include:

- Define water shortage terms and conditions for applicable CVP water service contractors, as appropriate.
- Determine the quantity of water made available to CVP water service contractors that, together with the M&I water service contractors' drought water conservation measures and other non-CVP water supplies, would assist the M&I water service contractors in their efforts to protect public health and safety during severe or continuing drought.
- Provide information to CVP water service contractors for their use in water supply planning and development of drought contingency plans.

The Final Environmental Impact Statement (EIS) describes the existing setting, alternatives for future operations under the CVP M&I WSP, and potential environmental impacts of each alternative. USBR selected Alternative 4, the Preferred Alternative, which comprises the Updated CVP M&I Water Shortage Policy developed by USBR with stakeholder input received during preparation of the Final EIS.



The decision will allow USBR the greatest degree of flexibility to address CVP water service contractors' needs during a Condition of Shortage while recognizing that CVP deliveries are subject to the amount of CVP water available. The Updated CVP M&I WSP also provides clarity to the terms, conditions, and procedures of the CVP M&I WSP. A copy of the November 2015 Final Record of Decision is included in Appendix J.

7.2 Water Supply Reliability Assessment

This section addresses the reliability of the City's water supply in average, single dry, and multiple dry water years. The City uses the following water year definitions from the DWR 2020 Guidebook:

Year Type	Description
Average or Normal Year	A single year or averaged range of years that most closely represents
	the average water supply available to the Supplier.
Single Dry Year	The year that represents the lowest water supply available to the
	Supplier.
Five Consecutive Year Drought	The driest five-year historical sequence for the supplier.

The reliability of the potable and recycled water supplies is discussed in the following sections and are compared to the projected potable and recycled water demand.

7.2.1 Potable Water Supply and Demand Assessment

This section provides an assessment of the City's expected water supply and demand for Normal Year, Single Dry Year, and Five Consecutive Year Drought scenarios, based on data available at the time of publication of this UWMP, and discusses the City plans to mitigate potential supply deficits.

The City has identified the following base water years to represent the Year Types:

- Average or Normal Year: 2017
- Single Dry Year: 2015
- Five Consecutive Year Drought: 2011 2015

This City has identified these base water years based heavily on lessons learned through the droughts experienced in the last 10 years. In 2017, 100% of the typical contract supply was available, making it a good candidate to represent an average or normal year. In 2015, the City experienced a 75% curtailment of their USBR contract value – a source which had been considered highly reliable until that time. With only a 25% allotment, this represents the lowest experienced water supply level in Roseville's history. The time period between 2011 and 2015 represented multiple years of drought conditions and the lowest average available water supply experienced by the City, and therefore has been identified to represent the five consecutive year drought condition. Supply volumes for base years are provided in DWR Table 7-1.





DWR Table 7-1

Submittal Table 7-1 Retail: Basis of Water Year Data (Reliability Assessment)							
		Available Supplies if Year Type Repeats					
Year Type	Base Year		Quantification of available supplies is no compatible with this table and is provide elsewhere in the UWMP. Location				
		•	 Quantification of available supplies is ✓ provided in this table as either volume only, percent only, or both. 				
			Volume Available	% of Average Supply			
Average Year	2017		64,279	100%			
Single-Dry Year	2015		49,739	77%			
Consecutive Dry Years 1st Year	2011		64,279	100%			
Consecutive Dry Years 2nd Year	2012		59,430	92%			
Consecutive Dry Years 3rd Year	2013	59,480 93%		93%			
Consecutive Dry Years 4th Year	2014	51,531 80%		80%			
Consecutive Dry Years 5th Year	2015		49,942	78%			
NOTES: Groundwater is not utilized as a significant source of supply until a Drought Stage 3 is declared by the City. Totals include recycled water which is assumed to be available in all year types.							

All volumes are in AF.

The City intends to use their groundwater supply differently in different year types. Under Normal Year conditions, the City intends to inject groundwater at an overall net benefit to the aquifer, or at most to extract groundwater up to the amount injected. In times of drought however, as in a Single Dry Year, or multi-year drought condition, the City can and will utilize their groundwater infrastructure as a larger percentage of overall supply. These assumptions and the resulting groundwater availability by year type are outlined in COR Table 7-C.





COR Table 7-C Groundwater Supply Availability by Year Type.

	Groundwater Supplies and Management	by Year T	уре		
	Operational ASR Wells	6	10	11	11
Well Data	Total Annual Extraction Capacity	17,600	28,000	32,100	32,100
	Total Annual Injection Capacity		12,100	14,900	14,900
Year Type	Assumptions	2020	2030	2035	Buildout
Normal	In a Normal Year, the City would only typically extract less than or equal to the volume injected. The injection window is estimated at 3 months for the wet season when additional volume might be available, and 90% capacity would be assumed to account for 10% down time for maintenance.	1,560	2,720	3,350	3,350
Single Dry	In a Single Dry Year, the City would expect to pump for 6 months of the year at 9 0% capacity to allow for 10% down time for maintenance.	7,920	12,570	14,430	14,430
Year 5 of a Multi- Year Drought			12,570	14,430	14,430
NOTES: All values an	re in AF.				

The availability of total water supply from each source by hydrologic year type is outlined in COR Table 7-D.





COR Table 7-D Potable Supply Availability by Year Type

Potable V-D Potable Supply Av	Supply Availability		and Hydrol	ogic Year T	уре	
Supply Source	2020 (current)	2025	2030	2035	2040	2045
NORMAL WATER YEAR						
USBR	32,000	32,000	32,000	32,000	32,000	32,000
PCWA	30,000	30,000	30,000	30,000	30,000	30,000
SJWD	4,000	4,000	4,000	4,000	4,000	4,000
Water Forum Limitation	-7,100	-7,100	-7,100	-7,100	-7,100	-7,100
PCWA (Future)	0	0	0	3,360	3,360	3,360
Groundwater	1,560	1,560	2,720	3,350	3,350	3,350
Total	60,460	60,460	61,620	65,610	65,610	65,610
SINGLE DRY YEAR			•			
USBR	8,000	8,000	8,000	8,000	8,000	8,000
PCWA	30,000	30,000	30,000	30,000	30,000	30,000
SJWD	0	0	0	0	0	0
Water Forum Limitation	0	0	0	0	0	0
PCWA (Future)	0	0	0	3,360	3,360	3,360
Groundwater	7,920	7,920	12,570	14,431	14,431	14,431
Total	45,920	45,920	50,570	55,791	55,791	55,791
FIVE CONSECUTIVE YEAR DROU	GHT - YEAR 1					
USBR	32,000	32,000	32,000	32,000	32,000	32,000
PCWA	30,000	30,000	30,000	30,000	30,000	30,000
SJWD	4,000	4,000	4,000	4,000	4,000	4,000
Water Forum Limitation	-7,100	-7,100	-7,100	-7,100	-7,100	-7,100
PCWA (Future)	0	0	0	3,360	3,360	3,360
Groundwater	1,560	1,560	2,720	3,350	3,350	3,350
Total	60,460	60,460	61,620	65,610	65,610	65,610
FIVE CONSECUTIVE YEAR DROU	GHT - YEAR 2					
USBR	24,000	24,000	24,000	24,000	24,000	24,000
PCWA	30,000	30,000	30,000	30,000	30,000	30,000
SJWD	0	0	0	0	0	0
PCWA (Future)	0	0	0	3,360	3,360	3,360
Water Forum Limitation	0	0	0	0	0	0
Groundwater	1,560	1,560	2,720	3,350	3,350	3,350
Total	55,560	55,560	56,720	60,710	60,710	60,710





FIVE CONSECUTIVE YEAR DROUG USBR	HT - YEAR 3 24,000						
	24 000						
	24,000	24,000	24,000	24,000	24,000	24,000	
PCWA	30,000	30,000	30,000	30,000	30,000	30,000	
SJWD	0	0	0	0	0	0	
Water Forum Limitation	0	0	0	0	0	0	
PCWA (Future)	0	0	0	3,360	3,360	3,360	
Groundwater	1,560	1,560	2,720	3,350	3,350	3,350	
Total	55,560	55 <i>,</i> 560	56,720	60,710	60,710	60,710	
FIVE CONSECUTIVE YEAR DROUGHT - YEAR 4							
USBR	16,000	16,000	16,000	16,000	16,000	16,000	
PCWA	30,000	30,000	30,000	30,000	30,000	30,000	
SJWD	0	0	0	0	0	0	
Water Forum Limitation	0	0	0	0	0	0	
PCWA (Future)	0	0	0	3,360	3,360	3,360	
Groundwater	1,560	1,560	2,720	3,350	3,350	3,350	
Total	47,560	47,560	48,720	52,710	52,710	52,710	
FIVE CONSECUTIVE YEAR DROUG	HT - YEAR 5						
USBR	8,000	8,000	8,000	8,000	8,000	8,000	
PCWA	30,000	30,000	30,000	30,000	30,000	30,000	
SJWD	0	0	0	0	0	0	
Water Forum Limitation	0	0	0	0	0	0	
PCWA (future)	0	0	0	3,360	3,360	3,360	
Groundwater	7,920	7,920	12,570	14,431	14,431	14,431	
Total	45,920	45,920	50,570	55,791	55,791	55,791	
NOTES: Groundwater more signifi	icantly relied on ir	i single dry y	ears and y	ear 5 of a fi	ve consecu	tive year	

drought condition. All values are in AF.

7.2.2 Comparison of Supply and Demand

A comparison of projected water supply and demand during Normal, Single Dry, and Five Consecutive Year Drought conditions are included in DWR Table 7-2, DWR Table 7-3, and DWR Table 7-4. It is important to note that in all scenarios shown in these tables, Normal Year demands are shown. As outlined in Chapter 4, passive demand reduction savings are incorporated into the demand projections themselves; however, no specific conservation effort to reduce demands in a drought year have been shown in these tables in order to depict the most basic comparison of supply and demand in these year types. As shown, there is an adequate water supply in all normal years. In single dry years and in certain multiple dry years, water supply deficit may occur.

7.2.3 Recycled Water Supply and Demand Comparison

The City's recycled water supply is an important resource as it is considered to be 100% reliable in all water year types. Recycled water supply has been set equal to the projected recycled water demand in these analyses because showing a surplus recycled water supply would mask potential potable water shortages.



7.2.4 Total Water Supply and Demand Comparison

A comparison of projected total (potable and recycled) water supply and demand during a normal water year is included in DWR Table 7-2. As shown, there is an adequate water supply in normal years to meet demands through 2045.

DWR Table 7-2

Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison								
2025 2030 2035 2040 2045								
Supply totals 64,482 66,055 70,543 70,543 70,543								
Demand totals	51,589	56,990	62,547	62,547	62,547			
Difference 12,893 9,065 7,996 7,996 7,996								
NOTES: An additional 3,360 AF of supply from the PCWA Ophir WTP is assumed to become available in all year types as of 2035. The City plans to have 4 new wells operational by 2030 with an additional 2 following by 2035, as well as the destruction of 1 existing. Supply and demand include Recycled Water. All volumes are in AF.								

A comparison of projected water supply and demand during a Single Dry Year is included in DWR Table 7-3.

DWR Table 7-3

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison								
	2025 2030 2035 2040 204							
Supply totals* 49,942 55,005 60,723 60,723 60,723								
Demand totals*	51,589	56,990	62,547	62,547	62,547			
Difference	(1,647)	(1,985)	(1,824)	(1,824)	(1,824)			
NOTES: An additional 3,360 AF of supply from the PCWA Ophir WTP is assumed to become available in all year types as of 2035. The City plans to have 4 new wells operational by 2030 with an additional 2 following by 2035, as well as the destruction of 1 existing. Supply and demand include Recycled Water. All volumes are in AF.								

A comparison of projected water supply and demand during a Five Consecutive Year Drought is included in DWR Table 7-4.





DWR Table 7-4

Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison								
		2025	2030	2035	2040	2045		
First year	Supply totals	64,482	66,055	70,543	70,543	70,543		
	Demand totals	51,589	56,990	62,547	62,547	62,547		
	Difference	12,893	9,065	7,996	7,996	7,996		
	Supply totals	59,582	61,155	65,643	65,643	65,643		
Second year	Demand totals	51,589	56,990	62,547	62,547	62,547		
	Difference	7,993	4,165	3,096	3,096	3,096		
	Supply totals	59,582	61,155	65,643	65,643	65,643		
Third year	Demand totals	51,589	56,990	62,547	62,547	62,547		
	Difference	7,993	4,165	3,096	3,096	3,096		
	Supply totals	51,582	53,155	57,643	57,643	57,643		
Fourth year	Demand totals	51,589	56,990	62,547	62,547	62,547		
	Difference	(7)	(3,835)	(4,904)	(4,904)	(4,904)		
	Supply totals	49,942	55,005	60,723	60,723	60,723		
Fifth year	Demand totals	51,589	56,990	62,547	62,547	62,547		
	Difference	(1,647)	(1,985)	(1,824)	(1,824)	(1,824)		
NOTES: An additional 3,360 AF of supply from the PCWA Ophir WTP is assumed to become available in all year types as of 2035. The City plans to have 4 new wells operational by 2030 with an additional 2 following by 2035, as well as the destruction of 1 existing. Supply and demand include Recycled Water. All volumes in AF.								

As stated in DWR Table 7-4, there is sufficient supply to meet demands in Normal Years through 2045. In Single Dry Years and some extended drought years, shortages do occur. DWR Table 7-2, DWR Table 7-3, and DWR Table 7-4 include recycled water supply and demand. The remaining deficits shown will be mitigated by potable water conservation measures implemented as part of the Water Shortage Contingency Plan.





7.2.5 Deficit Mitigation

Depending on the raw water supply available from USBR, and in accordance with the WFA, deficits in potable water supply may occur in a single dry year or the latter stages of an extended drought condition. As shown in DWR Table 7-3 and DWR Table 7-4, the greatest potential deficit between available supply and demand would occur in Year 4 of a Five Consecutive Year Drought condition.

One potential strategy to alleviate deficiencies shown above is indicated in DWR Table 7-5. In DWR Table 7-5, the potential volume of water resulting from potable water demand reductions are shown.

DWR Table 7-5 Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b)							
2021	2022	2023	2024	2025			
39,172	42,276	45,380	48,484	51,589			
64,279	59,430	59 <i>,</i> 480	51,531	49,942			
Surplus/Shortfall w/o WSCP Action 25,107 17,153 14,100 3,047 (1,64)							
augmentatior	ו)						
0	0	0	0	0			
0	0	0	0	6,659			
25,107	17,153	14,100	3,047	5,013			
0%	0%	0%	0%	13%			
	39,172 64,279 25,107 augmentation 0 0 25,107	39,172 42,276 64,279 59,430 25,107 17,153 augmentation) 0 0 0 25,107 17,153 0 0 0 0 0 0 00 0 00 0 00 0 00 0 00 0 00 0	39,172 42,276 45,380 64,279 59,430 59,480 25,107 17,153 14,100 augmentation 0 0 0 0 0 0 25,107 17,153 14,100 25,107 17,153 14,100 0% 0% 0%	39,172 42,276 45,380 48,484 64,279 59,430 59,480 51,531 25,107 17,153 14,100 3,047 augmentation) 0 0 0 0 0 0 0 25,107 17,153 14,100 3,047			

DWR Table 7-5

NOTES: Supply and demand totals include Recycled Water. Demand reductions actions only apply to the portion of total water use that is potable and not to the recycled water.

The City will determine the needed balance between water conservation and groundwater pumping on a caseby-case basis consistent with the City's Municipal Code. The City also continues to plan for and analyze opportunities for water supply projects or exchanges that would increase the reliability of the raw water supplies diverted from the American River.

7.3 Regional Supply and Reliability

All water consumed by the City comes from local supply sources. No water is imported from other regions, nor does the City anticipate importing water from other regions throughout the UWMP planning period. However, the City is actively engaged in multiple planning projects and coordination intended to strengthen water supply reliability throughout the Sacramento area, in addition to investing in long-term water storage projects like the future Sites Reservoir. Projects like Sites will not provide direct benefit in terms of water supply to Roseville; however, as a regional project it promises to strengthen the Northern California water portfolio as a whole, providing benefit to all who operate within this sphere. The City is a committed regional partner in working to solve supply shortage issues before they become a critical reality, with climate change and increasingly limited supply sources at the crux of the issue. The City will continue these efforts into the future and work with its partner agencies to find the best path forward.





DRAFT WATER SHORTAGE CONTINGENCY PLAN



City of Roseville Draft Water Shortage Contingency Plan







Prepared by Water Works Engineers, LLC Colleen Boak, PE Esmeralda Diego

Checked by: Tim Durbin, PE Cindy Bertsch, PE



Table of Contents

Water Shor	rtage Contingency Plan	1
1.1	Water Supply Reliability Analysis	1
1 1 1		
1.1.1	Constraints on Water Supply	T
1.1.2	Drought Risk Assessment	2
1.1.3	Seismic Risk Analysis	4
1.2	Legal Authorities	
1.3	Standard Water Shortage Levels	5
1.4	Annual Water Supply and Demand Assessment Procedures	5
1.5	Supply Augmentation and Operational Changes	12
1.6	Compliance and Enforcement	12
1.7	Financial Consequences	
1.8	Plan Adoption, Submittal, and Availability	14

Tables

WSCP Table 1 Available Surface Water Supply Under Differing Hydrologic Conditions	2
WSCP Table 2 Near-Term Five-Year Drought Risk Assessment	3
WSCP Table 3 Long-Term Single and Five-Year Drought Risk Assessment	3
WSCP Table 4 Relation Between Standard Water Shortage Levels and Existing Stages	5
WSCP Table 5 Water Supply and Demand Assessment Procedure	5
WSCP Table 6 Demand Reduction Actions to be Implemented at Each Shortage Level	8
WSCP Table 7 Supply Augmentation During Stage 3 Droughts and Higher	12

Exhibits

Exhibit A – City of Roseville 2016 Multi-Hazard Mitigation Plan

Exhibit B – City of Roseville Municipal Code 14.09

Exhibit C – Adoption Resolution





Water Shortage Contingency Plan

Following the severe drought of 2012-2016, the State of California Legislature sought to expand the water shortage contingency analysis under former law and mandated that a water shortage contingency plan (WSCP) be adopted by suppliers. The California Water Code (CWC) recognizes WSCPs as a critical tool during a drought emergency and grants that the State defer to locally adopted WSCPs, to the extent practicable.

California Water Code Section 10632.3

It is the intent of the Legislature that, upon proclamation by the Governor of a state of emergency under the California Emergency Services Act (Chapter 7 (commencing with Section 8550) of Division 1 of Title 2 of the Government Code) based on drought conditions, the board defer to implementation of locally adopted water shortage contingency plans to the extent practicable.

The WSCP is the City of Roseville Water Utility's (City's) operational plan in the event of a water shortage. Water shortage would occur when available water supplies are insufficient to meet normal customer water demands. Various causes can bring about a water shortage including population growth, climate change, drought, natural disasters, and catastrophic events.

The WSCP shall address the ten following elements:

- 1. Water supply reliability assessment analysis
- 2. Annual assessment procedures
- 3. Six standard shortage stages
- 4. Shortage response actions
- 5. Communication protocols
- 6. Compliance and enforcement
- 7. Legal authorities
- 8. Financial consequences of WSCP
- 9. Monitoring and reporting
- 10. WSCP refinement procedures

1.1 Water Supply Reliability Analysis

Pursuant to 10632(a)(1) of the CWC, a near-term (5years) and long-term (20 years) water supply reliability analysis is provided herein. The water supply reliability analysis consists of a water service reliability assessment and drought risk assessment (DRA).

1.1.1 Constraints on Water Supply

Most of the City's water is surface water received from Folsom Lake. The City's existing surface water contracts with the U.S. Bureau of Reclamation (USBR), Placer County Water Agency (PCWA), and San Juan Water District (SJWD) are received through the Folsom Dam Diversion, making this a critical facility for the reliability of Roseville's surface water supply. Under normal conditions, the capacities of the Folsom Dam Diversion, Roseville Water Treatment Plant, and distribution network are sufficient to meet the City's water demands. However, the water that the City receives is subject to reductions during dry years pursuant to the Water Forum Agreement, the USBR



Operations Criteria and Plan (OCAP), and the Central Valley Project Municipal and Industrial Water Shortage Policy (CVP M&I WSP).

Although Roseville's annual water contract entitlements total 66,000-acre feet (AF), the City along with other Sacramento-area water suppliers are signatory to the January 2000 Water Forum Agreement (updated in 2015), which includes Purveyor Specific Agreements. The City's Purveyor Specific Agreement includes limitations on City surface water diversions from the American River under different hydrologic conditions. The hydrologic conditions are characterized by three categories of year type and the corresponding limitations for the City are given in WSCP Table 1.

Year Type	Unimpaired Flow into Folsom Reservoir	Roseville Available Supply
Normal/ Average or Wet Year	Greater or equal to 950,000 AF	Maximum of 58,900 AF
Drier Year	Between 400,000 and 950,000 AF	Between 43,800 and 58,900 AF
Driest/ Critically Dry Year	Less than 400,000 AF	Maximum of 43,800 AF

WSCP Table 1 Available Surface Water Supply Under Differing Hydrologic Conditions

In addition to the impacts of the contractual agreements, the reliability of surface water is also subject to physical constraints. In the event that the water level at Folsom Lake drops close to or below the intake elevation, without additional infrastructure, the City would be unable to divert water. The severe drought of 2015, which was preceded by multiple consecutive dry years, demonstrated the vulnerability of the City's surface water as the water elevation did come close to the intake elevation.

Though the City has begun the process of expanding its groundwater program, under current operations the groundwater is not a major source of water for the City. The City has 4 existing wells with aquifer storage recovery (ASR) injection capability. The City's strategy in normal years is to not pump groundwater from the wells in excess of what was injected, thus creating a bank of water for future use. If a significant drought stage is reached the City can pump additional water to augment its water supply and make up for deficits of the surface water supply. The City continues to invest in development of groundwater infrastructure to increase supply reliability in times of drought, however in any given year type, the City must make determinations of drought stage without consideration of groundwater supplies, per the terms of the municipal code. This is further discussed in Section 1.5. For the purpose of this WSCP, only the resources available to the City in determination of a drought stage are included in calculations of the surplus or shortfall for the DRA shown in WSCP Table 2 and WSCP Table 3.

1.1.2 Drought Risk Assessment

The near-term and long-term drought risk assessment was performed by comparing the unconstrained potable water demands to the water supply availability for a single dry year and 5 consecutive dry years. The near-term DRA for a five-year drought is provided in WSCP Table 2. The long-term single and five-year DRA is provided in WSCP Table 3. Note that while typical groundwater supplies are not considered in the calculations of Total Supplies shown in WSCP Table 2 and WSCP Table 3, the volume of groundwater that the City intends to use for each year type is listed separately.





WSCP Table 2 Near-Term Five-Year Drought Risk Assessment

Category	2021	2022	2023	2024	2025	
Total Supplies	62,719	57,870	57,920	49,971	42,022	
Total Gross Water Use	39,172	42,276	45,380	48,484	51,589	
Surplus/ Shortfall absent of WSCP Action	23,547	15,593	12,540	1,487	-9,567	
Total Right/ Safe Yield Groundwater Supplies	1,560	1,560	1,560	1,560	7,920	
NOTES: All values are in AF. Groundwater supplies are not included in calculation of surplus/ shortfall.						

WSCP Table 3 Long-Term Single and Five-Year Drought Risk Assessment

Drought Type/ Year	Category	2025	2030	2035	2040	2045
	Total Supplies	42,022	42,435	46,293	46,293	46,293
Single	Total Gross Water Use	51,589	56,990	62,547	62,547	62,547
Year	Surplus/ Shortfall absent of WSCP Action	-9,567	-14,555	-16,254	-16,254	-16,254
	Total Right/ Safe Yield Groundwater Supplies	7,920	12,570	14,430	14,430	14,430
	Total Supplies	62,922	63,335	67,193	67,193	67,193
Year 1	Total Gross Water Use	51,589	56,990	62,547	62,547	62,547
Teal I	Surplus/ Shortfall absent of WSCP Action	11,333	6,345	4,646	4,646	4,646
	Reasonably Available Groundwater Supplies	1,560	2,720	3,350	3,350	3,350
	Total Supplies	58,022	58,435	62,293	62,293	62,293
Year 2	Total Gross Water Use	51,589	56,990	62,547	62,547	62,547
real Z	Surplus/ Shortfall absent of WSCP Action	6,433	1,445	-254	-254	-254
	Reasonably Available Groundwater Supplies	1,560	2,720	3,350	3,350	3,350
	Total Supplies	58,022	58,435	62,293	62,293	62,293
Year 3	Total Gross Water Use	51,589	56,990	62,547	62,547	62,547
Teal 5	Surplus/ Shortfall absent of WSCP Action	6,433	1,445	-254	-254	-254
	Reasonably Available Groundwater Supplies	1,560	2,720	3,350	3,350	3,350
	Total Supplies	50,022	50,435	54,293	54,293	54,293
Year 4	Total Gross Water Use	51,589	56,990	62,547	62,547	62,547
	Surplus/ Shortfall absent of WSCP Action	-1,567	-6,555	-8,254	-8,254	-8,254
	Reasonably Available Groundwater Supplies	1,560	2,720	3,350	3,350	3,350
	Total Supplies	42,022	42,435	46,293	46,293	46,293
Year 5	Total Gross Water Use	51,589	56,990	62,547	62,547	62,547
Teal 3	Surplus/ Shortfall absent of WSCP Action	-9,567	-14,555	-16,254	-16,254	-16,254
	Total Right/ Safe Yield Groundwater Supplies	7,920	12,570	14,430	14,430	14,430
NOTES: A	ll values are in AF. Groundwater supplies are no	t included i	n calculatio	on of surplu	ıs/ shortfal	





1.1.3 Seismic Risk Analysis

Seismic risk in California can pose a significant threat to facilities and infrastructure. The City of Roseville 2016 Multi-Hazard Mitigation Plan addresses the seismic risk at critical facilities including those dedicated to water supply and is provided in Exhibit A.

1.2 Legal Authorities

Chapter 14.09 Water Conservation of the Roseville Municipal Code (Municipal Code) also cited as Water Conservation and Drought Mitigation Ordinance (Ordinance 5311 § 2, 2014; Ordinance 2413 § 2, 1991), grants the City the authority to declare a water shortage in the City. Chapter 14.09 of the Municipal Code is provided in Exhibit B.

The purpose and scope of the Water Conservation and Drought Mitigation Ordinance as stated in the Municipal Code is provided below:

14.09.020 General provisions

- A. Purpose. The purpose of this chapter is to ensure compliance with all federal, state and local requirements relating to water conservation and drought mitigation for the protection of public health, safety and welfare by:
- 1. Reducing the per capita water consumption throughout the City of Roseville (the "city") during years of normal precipitation and during years of drought;
- 2. Protecting and conserving the city's supply of water during specified times of emergency and/or crisis;
- 3. Minimizing and/or eliminating the waste of water through voluntary compliance or punitive action, if necessary;
- 4. Promoting the use of drip irrigation and other low volume irrigation methods that reduce outdoor water use by applying water more efficiently than traditional irrigation methods;
- 5. No person shall use, or cause to be used any city water for landscape irrigation between the hours of 10:00 a.m. and 8:00 p.m., unless the city manager, or designee provides prior written consent to a different time limitation. A waiver may be granted for turf areas if the landscape contains too many irrigation valves to complete an irrigation event within the watering window.
- 6. Upon city declaration of a water shortage, the city manager, or designee, may impose revised and/or additional limitations on outdoor water use, as specified in Section 14.09.040, and no person shall use, or cause to be used, city water in violation of such limitations while the water shortage remains in effect.
- B. Scope. The provisions of this chapter shall apply to all customers, users and/or recipients (hereinafter "users") of the city's potable and recycled water service within the city's territorial limits.

The City's development and adoption of the WSCP upholds 14.09.020 General Provisions of the Municipal Code by ensuring compliance with state requirements.

All components of the WSCP comply with Chapter 14.09 of the Municipal Code. Any actions to be taken under the WSCP not explicitly stated in Chapter 14.09 of the Municipal Code are a further refinement of the existing ordinance.





1.3 Standard Water Shortage Levels

The California Water Code Section 10632(a)(3) defines six standard water shortage levels. Standardization of water shortage levels provide a consistent regional and statewide approach to characterizing and conveying the severity of a water shortage. However, Chapter 14.09 of the City's Municipal Code defines water shortage stages that are different from those listed in CWC. Pursuant to 10632(a)(3)(B), the six standard water shortage levels are related to the existing shortage stages in the Municipal Code in WSCP Table 4.

CWC Shortage Level Description	CWC Shortage Level	Municipal Code Shortage Stage	Municipal Code Water Conservation and Drought Stage Description
Lip to 10%	1	Basic Stage	City's water supply is adequate to meet all projected demands
Up to 10%	T	Stage One Drought	City's water supply is adequate to meet 90% of projected demands
Up to 20%	2	Stage Two Drought	City's water supply is adequate to meet 80% of projected demands
Up to 30%	3	Stage Three Drought	City's water supply is adequate to meet 70% of projected demands
Up to 40%	4	Stage Four Drought	City's water supply is adequate to meet 60% of projected demands
Up to 50%	5	Stage Five Drought	City's water supply is adequate to meet
Greater than 50%	6	Stage Five Diought	50% or less of projected demands

WSCP Table 4 Relation Between Standard Water Shortage Levels and Existing Stages

1.4 Annual Water Supply and Demand Assessment Procedures

Pursuant to CWC 10632.1, all water suppliers are required to conduct an annual water supply and demand assessment on or before July 1 of each year beginning in 2022. If the supplier receives imported water from the State Water Project or the U.S. Bureau of Reclamation (USBR) they shall submit the report within 14 days of receiving final allocations or by July 1 of each year, whichever is later. The steps for conducting the Annual Water Supply and Demands Assessment are outlined in WSCP Table 5.

WSCP Table 5 Water Supply and Demand Assessment Procedure

Step	Description	Timeframe	Participants
Step 1	Request water utility data from all departments.	Jan 1 - Jan 31	Water Conservation Administrator
Step 2	Coordinate with Planning Division for any significant planned developments and project those water demands.	Jan 15 - Jan 31	Water Conservation Administrator Planning Division
Step 3	Compile water utility data into Water Utility Reporting Master spreadsheet.	Feb 1 - Feb 14	Water Conservation Administrator
Step 4	Calculate total projected unconstrained water demands for current year.	Feb 15-Feb 28	Senior Engineer – Water Utility





Step 5	Identify any constraints on facilities or infrastructure that could impact the supply of water such as planned maintenance that would take facilities offline or known damage to facilities/ infrastructure.	Feb 15-Feb 28	Hydrogeologist Senior Engineer – Water Utility Water Distribution Superintendent Water Treatment Plant Chief Operator
Step 6	Commence preparation of Annual Water Shortage Assessment Report.	March-April	Water Conservation Administrator Senior Engineer – Water Utility
Step 7	Receive final allotments from USBR for current year.	April	EU Assistant Director-Water Utility
Step 8	Subtract current year projected water demand from final allotment volume to determine shortage percentage and volume.	2 Days after notification from USBR	Senior Engineer – Water Utility
Step 9	If a shortage is identified Environmental Utilities (EU) Department is to hold an internal meeting to inform participants that a water shortage for the current year is anticipated and the extent of that shortage. Review the WSCP and Chapter 14.09 of the Roseville Municipal Code. Identify any concerns from the group regarding the ability to carry out the actions described in the WSCP and Chapter 14.09 of the Municipal Code. Assign an individual or group, among the participants, the responsibility of resolving the concern.	Within 7 days of notification from USBR	EU Director EU Assistant Director – Water Utility Hydrogeologist Water Distribution Super Intendent Water Treatment Plant Chief Operator Senior Engineer – Water Utility Water Conservation Administrator Additional participants as needed
Step 10	Inform City Manager of water shortage emergency condition.	Within 14 days of notification from USBR	City Manager EU Director EU Assistant Director – Water Utility Additional participants as needed
Step 11	Finalize and submit Annual Water Shortage Assessment Report to DWR.	By July 1 or 14 days after receiving final allocations	EU Assistant Director – Water Utility Water Conservation Administrator Senior Engineer – Water Utility
Step 11	The City Manager shall inform City Council of the water shortage emergency condition and the "Drought stage," under which the emergency falls. City Council shall declare a water shortage emergency condition to prevail within the area served by the City of Roseville Water Utility.	Within 28 days of notification from USBR	City Manager City Council Public Information Officer
Step 12	The City of Roseville shall coordinate with any city or county within which it provides water supply services for the possible proclamation of a local emergency.	Within 28 days of notification from USBR	City Manager City Council Public Information Officer



	noticed of the water shortage emergency condition and of all water shortage	after declaration of emergency	Public Information Officer
	response actions triggered by the emergency declaration. Pursuant to	condition and continuing for as	
	Municipal Code Section 14.09.020(E), the	long as the	
	City Manager, or assigned designee, shall be responsible for determining the means	emergency condition	
	by which water users shall be notified. Possible means for notification include	persists.	
	mass media, newspaper, public notice, mailings, utility billings, or by any		
Step 14	combination of such notice. The appropriate Water Shortage Response	Duration of	EU – Water Utility
	Actions for the drought stage, outlined in	emergency	Water Users
	WSCP Table 6 and 7, will be carried out by the public and water utility. The City will	condition	City Manager or designee
	enforce compliance in accordance with		
	Roseville Municipal Code 14.09.		
Step 15	Track customer water use at a minimum on a monthly basis. Ensure that total gross	Duration of emergency	Water Conservation Administrator Senior Engineer – Water Utility
	water use for that month, or more	condition	
	frequent tracking period, is reduced by the necessary percentage when compared to		
	that same tracking period of the last		
<u> </u>	normal supply year.		
Step 16	If the needed water use reduction percentage is not met for any month	Upon determination of	EU Director EU Assistant Director – Water Utility
	determine which additional strategies or	insufficient	Hydrogeologist
ł	actions would result in the needed reduction.	water use reduction	Senior Engineer – Water Utility Water Conservation Administrator
	TEQUCUON.	reduction	water conservation Auministrator
			Additional participants as needed
Step 17	The EU Department management shall	Upon	City Manager
Step 17	The EU Department management shall propose to the City Manager additional	determination of	City Manager EU Director
Step 17	The EU Department management shall	•	City Manager
Step 17	The EU Department management shall propose to the City Manager additional shortage response actions and whether or not those actions would require the WSCP and Chapter 14.09 of the Roseville	determination of insufficient	City Manager EU Director EU Assistant Director – Water Utility
Step 17 Step 18	The EU Department management shall propose to the City Manager additional shortage response actions and whether or not those actions would require the WSCP	determination of insufficient water use	City Manager EU Director EU Assistant Director – Water Utility
	The EU Department management shall propose to the City Manager additional shortage response actions and whether or not those actions would require the WSCP and Chapter 14.09 of the Roseville Municipal Code to be changed. If deemed necessary, the City Manager and City Council will revise the WSCP and	determination of insufficient water use reduction Upon determination of	City Manager EU Director EU Assistant Director – Water Utility Additional participants as needed City Manager City Council
	The EU Department management shall propose to the City Manager additional shortage response actions and whether or not those actions would require the WSCP and Chapter 14.09 of the Roseville Municipal Code to be changed. If deemed necessary, the City Manager and City Council will revise the WSCP and Chapter 14.09 of the Roseville Municipal	determination of insufficient water use reduction Upon determination of insufficient	City Manager EU Director EU Assistant Director – Water Utility Additional participants as needed City Manager
	The EU Department management shall propose to the City Manager additional shortage response actions and whether or not those actions would require the WSCP and Chapter 14.09 of the Roseville Municipal Code to be changed. If deemed necessary, the City Manager and City Council will revise the WSCP and	determination of insufficient water use reduction Upon determination of	City Manager EU Director EU Assistant Director – Water Utility Additional participants as needed City Manager City Council
Step 18 NOTES: I	The EU Department management shall propose to the City Manager additional shortage response actions and whether or not those actions would require the WSCP and Chapter 14.09 of the Roseville Municipal Code to be changed. If deemed necessary, the City Manager and City Council will revise the WSCP and Chapter 14.09 of the Roseville Municipal Code, observing all required procedures	determination of insufficient water use reduction Upon determination of insufficient water use reduction servation Administra	City Manager EU Director EU Assistant Director – Water Utility Additional participants as needed City Manager City Council Additional participants as needed





WSCP Table 6 Demand Reduction Actions to be Implemented at Each Shortage Level

Standard Shortage Level	Roseville Municipal Code Stage	Demand Reduction Actions	Estimated Percent Reduction	Section of Water Conservation and Drought Mitigation Ordinance corresponding to Demand Reduction Action Explanations provided as needed	Penalty, Charge, or Other Enforcement?
1	Basic	Landscape - Restrict or prohibit runoff from landscape irrigation	0%	14.09.030(A)	Yes
1	Basic	Landscape - Limit landscape irrigation to specific times	0%	14.09.020(A)(1); No person shall use, or cause to be used, any city water for landscape irrigation between the hours of 10:00 a.m. and 8:00 p.m., unless the city manager, or designee provides prior written consent to a different time limitation. A waiver may be granted for turf areas if the landscape contains too many irrigation valves to complete an irrigation event within the watering window.	Yes
1	Basic	Landscape - Limit landscape irrigation to specific days	0%	14.09.060(E)(2); Irrigation of new landscaping shall be allowed on any day of the week for a period of 30 days after the new landscaping is planted, unless the city manager, or designee, provides prior written consent to extend this time period based on plant type and the season when the new landscaping is planted. After the 30 days, irrigation days and run times should be decreased to settings appropriate for an established landscape.	Yes
1	Basic	Landscape - Prohibit certain types of landscape irrigation	0%	14.09.030(E); Prohibit operation of an irrigation system that applies water to an impervious surface or that is in disrepair.	Yes
1	Basic	Landscape - Other landscape restriction or prohibition	0%	14.09.030(G); Prohibit irrigation of landscaping during rainfall or 48 hours after a measurable rain event.	Yes
1	Basic	Landscape - Other landscape restriction or prohibition	0%	14.090.060(E)(1); All landscaping installed in the City of Roseville shall comply with the water efficient landscape requirements adopted by resolution of the city council.	Yes
1	Basic	Other water feature or swimming pool restriction	0%	14.09.030(C); Prohibit maintaining ponds, waterways, decorative basins, or swimming pools without water recirculation devices.	Yes
1	Basic	Other water feature or swimming pool restriction	0%	14.09.030(D); Prohibit backwashing so as to discharge to waste swimming pools, decorative basins or ponds in excess of the frequency necessary to ensure the healthful condition of the water or in excess of that required by standards for professionally administered maintenance or to address structural considerations, as determined by the city manager, or designee.	Yes
1	Basic	Other water feature or swimming pool restriction	0%	14.09.030(H); Prohibit overfilling of any pond, pool or fountain which results in water discharging to waste.	Yes



City of Roseville Water Shortage Contingency Plan



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1	Basic	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	0%	14.09.060(C)	Yes
1	Basic	Other - Require automatic shut off hoses	0%	14.09.060(B); Free-flowing hoses for all uses are prohibited. Automatic shut-off devices shall be attached on any hose or filling apparatus in use.	Yes
1	Basic	Other	0%	14.09.030(B); Prohibit water fixtures (including, but not limited to, toilets, faucets, shower heads) or heating or cooling devices to leak or run to waste.	Yes
1	Basic	Other	0%	14.09.030(A); Prohibit water use for washing in excess of that necessary to wash, wet or clean the dirty or dusty object, such as an automobile, sidewalk, or parking area, flows to waste.	Yes
1	Basic	Other	0%	14.09.060(A); Water shall be confined to the user's property and shall not be allowed to run off to adjoining properties, or to the roadside or to the gutter. Care shall be taken not to water past the point of saturation.	Yes
1	Basic	Other	0%	14.09.060(F); All site reviews shall include an evaluation of using recycled water. Recycled water shall be required if economically feasible.	Yes
1	Stage 1	Landscape - Limit landscape irrigation to specific days	1%	14.09.070(C) and 14.09.070(D); Residential and non-residential water users shall be permitted to irrigate with city water according to the schedule provided in 14.09.070(C) and 14.09.070(D), respectively.	Yes
1	Stage 1	Landscape - Other landscape restriction or prohibition	1%	14.09.070(G); City park sites shall, as an aggregate, reduce usage up to 10 percent.	Yes
1	Stage 1	CII - Restaurants may only serve water upon request	1%	14.09.070(I)	Yes
1	Stage 1	Other - Prohibit use of potable water for washing hard surfaces	1%	14.09.070(H); Washing streets, parking lots, driveways, sidewalks or buildings, except as necessary for health or sanitary purposes or pursuant to a term or condition in a permit issued by a state or federal agency, is prohibited.	Yes
1	Stage 1	Other	10%	14.09.070(B); Residential users and non-residential users shall reduce water usage up to 10 percent.	Yes
2	Stage 2	Landscape - Other landscape restriction or prohibition	1%	14.09.070(C); City park sites shall, as an aggregate, reduce usage up to 20 percent.	Yes
2	Stage 2	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	1%	14.09.080(H)	Yes
2	Stage 2	Other	10-18%	14.09.080(B); Residential users and non-residential landscapes shall reduce water usage up to 20 percent.	Yes



City of Roseville Water Shortage Contingency Plan



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3	Stage 3	Landscape - Limit landscape irrigation to specific days	1%	14.09.090(D) and 14.09.090(E); Residential and non-residential water users shall be permitted to irrigate with city water according to the schedule provided in 14.09.090(D) and 14.09.090(E), respectively.	
3	Stage 3	Landscape - Other landscape restriction or prohibition	1%	14.09.090(C); City park sites shall, as an aggregate, reduce usage up to 30 percent.	Yes
3	Stage 3	Landscape - Other landscape restriction or prohibition	1%	14.09.090(H); New or expanded landscaping is limited to drought-tolerant trees, shrubs, and groundcover and be irrigated using a low volume irrigation system. No new turf shall be planted, hydroseeded, or laid, unless prior written consent is received from the city manager. Low volume irrigation means the application of irrigation water at low pressure through a system of tubing or lateral lines and low-volume emitters such as drip or drip lines irrigating at less than two gallons per hour. These systems are specifically designed to apply small volumes of water slowly at or near the root zone of plants.	Yes
3	Stage 3	Water Features - Restrict water use for decorative water features, such as fountains	1%	14.09.090(I)	Yes
3	Stage 3	Pools - Allow filling of swimming pools only when an appropriate cover is in place.	1%	14.09.090(L)	Yes
3	Stage 3	Other - Prohibit use of potable water for construction and dust control	1%	14.09.090(K)	Yes
3	Stage 3	Other	1%	14.09.090(I); Except where recycled water is used, golf courses shall reduce irrigation up to 30 percent.	Yes
3	Stage 3	Other	18-27%	14.09.090(B). Residential users and non-residential landscapes are to reduce water usage up to 30 percent.	Yes
4	Stage 4	Landscape - Limit landscape irrigation to specific days	2%	14.09.100(D) and 14.09.100(E); Residential and non-residential water users shall be permitted to irrigate with city water according to the schedule provided in 14.09.100(D) and 14.09.100(E), respectively.	Yes
4	Stage 4	Landscape - Other landscape restriction or prohibition	1%	14.09.100(C); City park sites shall, as an aggregate, reduce usage up to 40 percent.	Yes
4	Stage 4	Landscape - Other landscape restriction or prohibition	1%	14.09.100(H); Installation of any new landscaping is prohibited unless irrigation is provided through connection to an active recycled water system. In the case of new construction, the city's building official will issue a temporary final upon completion of the structural development of the property. When the city has returned to a stage two drought restriction, landscaping installation can be completed, and a building final will become available upon inspection by the city.	Yes



Water Shortage Contingency Plan
PAGE - 10

City of Roseville Water Shortage Contingency Plan



4	Stage 4	Other water feature or swimming pool restriction	1%	14.09.100(K); Existing pools shall not be emptied and refilled using city water unless required for health or safety reasons until the city has returned to a stage two drought restriction. Pools may be re-filled only to the extent necessary to replace evaporative losses.		
4	Stage 4	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	1%	14.09.100(J); Automobiles or equipment shall be washed only at commercial establishments that recycle their water or by equipment and means that separates debris and recycles wash water for continual use.		
4	Stage 4	Other	1%	14.09.100(I); Except where recycled water is used, golf courses shall reduce irrigation up to 40 percent.		
4	Stage 4	Other	0%	14.09.100(L); No commitments shall be made to provide water service as part of any new land use entitlement (general plan, specific plan or amendments requesting new water allocations) until the city has returned to a stage two drought restriction. Currently approved specific plans with accompanying development agreements and projects or properties that have received water allocations in advance of full entitlements may be issued building permits so long as they comply with the remainder of this chapter.	Yes	
4	Stage 4	Other	27-35%	14.09.100(B); Residential users and non-residential landscapes are to reduce water usage up to 40 percent.	Yes	
5&6	Stage 5	Landscape - Other landscape restriction or prohibition	5%	 14.09.110(C); Except where recycled water is used, water users shall reduce landscape irrigation as follows: Turf shall not be irrigated. Trees and shrubs may be irrigated with a properly functioning low volume landscape irrigation system or by use of a handheld hose equipped with a nozzle capable of completely shutting off the flow of water except when positive action or pressure to maintain the flow of water is applied. Low volume irrigation means the application of irrigation water at low pressure through a system of tubing or lateral lines and low-volume emitters such as drip or drip lines irrigating at less than two gallons per hour. These systems are specifically designed to apply small volumes of 	Yes	
5&6	Stage 5	Other water feature or swimming pool restriction	1%	14.09.110(D); Filling new or existing swimming pools and spas with city water is prohibited.	Yes	
5&6	Stage 5	Other	33%	14.09.110(B); Residential users are to reduce water usage up to 50 percent.	Yes	





1.5 Supply Augmentation and Operational Changes

Under normal operational conditions the City's groundwater strategy is to not pump well water in excess of the potable water that is injected annually. At this time, the City's injection volume of groundwater is planned to exceed extraction volume over time, as the groundwater program is still in development. The positive difference between the injection and extraction volume is the net volume of water that the City places into long-term storage or makes available for other users. Per Section 14.09.050 of the Municipal Code, when determining drought staging, the City cannot consider the effect of well water reducing the need for conservation until a stage three drought level is reached. Specifically, the code mentions that well water cannot be considered as an alternative to declaration of a stage one or stage two drought level. The City may choose to operationalize groundwater infrastructure in any year type based on water supply conditions and/or operations and maintenance strategies for infrastructure, however this shall not be determined to reduce or alleviate the appropriate drought stage given hydrologic conditions and surface water allocations for that year. The percent reduction that could result from this supply augmentation action for the different stages is provided in WSCP Table 7. Note that there are no supply augmentation actions for drought stages 1 and 2.in accordance with the provisions of the Municipal code.

Standard Shortage Level	Roseville Municipal Code Stage	Supply Augmentation Methods and Other Actions by Water Supplier	Percent Reduction	Additional Explanation
3	3	Stored Emergency Supply	0-10%	Groundwater Pumped
4	4	Stored Emergency Supply	0-20%	Groundwater Pumped
5 & 6	5	Stored Emergency Supply	0-30%	Groundwater Pumped

WSCP Table 7 Supply Augmentation During Stage 3 Droughts and Higher

The water utility would need to adjust its operations to support a drought stage that would prompt increased reliance on well water. Tasks for operations may include more frequent maintenance of well pumps and chemical injection pumps, monitoring of ground water level, and filter backwashing.

1.6 Compliance and Enforcement

The Water Conservation and Drought Mitigation ordinance grants the City the authority to enforce compliance with the water use limitations outlined in WSCP Table 6. The sections of the Water Conservation and Drought Mitigation Ordinance, detailing compliance and enforcement authority and measures are provided below.

14.09.020 General provisions

C. Administration and Enforcement. The city manager, or designee, including, but not limited to, an enforcement officer as defined herein, shall administer, implement, and enforce the provisions of this chapter. For purposes of this chapter an "enforcement officer" means any city employee or agent of the city with the authority to enforce any provision of this chapter and the authority to make any decision on behalf of the city manager required or called for by this chapter.





D. Compliance. All provisions of this chapter are subject to the compliance procedures set forth in this chapter unless otherwise expressly stated herein.

14.09.140 Violations

It is Unlawful for any user and/or person to violate any provision or fail to comply with any of the requirements of this chapter. Causing, permitting, aiding, abetting or concealing a violation of any provision of this chapter shall constitute a violation of this chapter. A violation of the provisions of this chapter shall occur irrespective of the negligence or intent of the violator and a violation of or failure to comply with any of the requirements of this chapter may be charged as either an infraction or a misdemeanor in the discretion of the city attorney. (Ord. 5311 § 2, 2014; Ord. 4629 § 1, 2008; Ord. 3834 § 3, 2002; Ord. 2413 § 2, 1991.)

14.09.150 Enforcement authority

- A. Whenever the city manager, or designee (including, but not limited to, an enforcement officer), determines that a user and/or person has violated any provision of, or failed to meet a requirement of, this chapter, an administrative citation pursuant to Chapter 2.50 or a written compliance order pursuant to Chapter 2.52 may be issued to any user and/or person responsible for the violation.
- B. Any compliance order issued may require without limitation any or all of the following:
- 1. The allocation of a particular amount of water to a given user and/or person responsible for the violation;
- 2. The issuance of a fine;
- 3. The installation of a flow restriction device;
- 4. The performance of monitoring, analyses, and reporting;
- 5. That violations shall cease and desist; and/or
- 6. The discontinuance of water service

The compliance order shall set forth a deadline within which the requirements of the compliance order must be completed. Said compliance order shall further advise that, should the violator fail to comply with the compliance order within the established deadline, a hearing on the compliance order shall be set. (Ord. 5491 § 11, 2015; Ord. 5311 § 2, 2014; Ord. 4629 § 1, 2008; Ord. 3034 § 3, 2002; Ord. 2817 § 1, 1994; Ord. 2413 § 2, 1991.)

14.090.180 Separate offense for each day.

Any user and/or person that violates any provision of this chapter shall be guilty of a separate offense for each and every day during any portion of which any user and/or person commits, continues, permits, or causes a violation thereof, and shall be punished accordingly. (Ord. 5311 § 2, 2014; Ord. 4629 § 1, 2008; Ord. 2413 § 2, 1991.)

1.7 Financial Consequences

During times of an emergency condition, the City is expected to see significant revenue reduction as a result of demand reduction actions lowering total gross water use. Additionally, enforcement of demand reduction actions, which could include investigating water waste complaints, follow ups to check for compliance, administering warnings or fines, and installation of flow restriction devices, would incur additional expenses that would not be present during non-emergency conditions.





Revenue loss percentage for each drought stage is anticipated to be approximately equal to the demand reduction percentage for each respective shortage level. Enforcement expenses will vary based on customer compliance and drought stage. For instance, at the onset of demand reduction action implementation, resources needed for enforcement may be high as customers adjust to altering their use or compliance from customers could vary seasonally with customers finding it more difficult to comply during warmer months.

The City plans to mitigate the financial consequences associated with water shortage response actions primarily through their recently adopted water rate structure, which allows for adequate reserves to accommodate reductions in revenue and increases in cost due to drought. If the water shortage rate charges are insufficient to make up for the loss in revenue, the City will use financial reserves to mitigate remaining financial consequences.

1.8 Plan Adoption, Submittal, and Availability

The Water Shortage Contingency Plan will be included as an appendix in the 2020 Urban Water Management Plan (UWMP) and will be introduced and discussed with the public and City Council in the same meetings but as separate agenda items. The WSCP is intended to be a stand-alone document and as such will be adopted by the City independently of the UWMP. The WSCP may be updated as needed between the regular 5-year updates of the UWMP and no required WSCP update shall necessitate an update of the UWMP.

The City has encouraged community and public interest involvement in the WSCP using public meetings and webbased communication. A public meeting will be held on June 16, 2021 and will provide an opportunity for the general public to ask questions and raise concerns regarding the WSCP. Prior to the public hearing the draft WSCP was made available for public inspection on the City's website: <u>www.roseville.ca.us/WSCP/</u>.

The WSCP will be presented to City Council on June 16, 2021 for adoption. Copies of the adoption resolutions will be provided as Exhibit C. A copy of this WSCP will be submitted to DWR within 30 days of adoption and by July 1, 2021. The adopted WSCP will be submitted electronically to DWR. A CD or hardcopy of the adopted WSCP will also be submitted to the California State Library. No later than 30 days after submittal to DWR, copies of the adopted WSCP will be available for public review at the City's public offices. An electronic copy of this plan will also be available for review and download on the City's website: www.roseville.ca.us/WSCP/.







Fire Station Locations

The City of Roseville operates eight Fire Stations and one Training Facility.

View the Emergency Response Map (PDF).



Fire Station 1 80 Lincoln Street Roseville, CA | View Map



Fire Station 4



Fire Station 2 1398 Junction Blvd Roseville, CA | View Map



Fire Station 5



Fire Station 3 1300 Cirby Way Roseville, CA | View Map



Fire Station 6

7/26/23, 10:45 AM

1900 Eureka Road Roseville, CA | <u>View Map</u>



Fire Station 7 911 Highland Pointe Drive Roseville, CA | <u>View Map</u>

Coming soon!

Fire Station Locations - City of Roseville

1565 Pleasant Grove Blvd Roseville, CA | <u>View Map</u>



Fire Station 9 2451 Hayden Parkway Roseville, CA | <u>View Map</u>

1430 E. Roseville Parkway Roseville, CA | <u>View Map</u>



Fire Training Center 2030 Hilltop Circle Roseville, CA | <u>View Map</u>



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City of Roseville Police Department

2022 Annual summary



Table of contents

Chief's message	2
Divisions of the Police Department	
Personnel summary	5
Neighborhood Associations & reporting districts	6
Budget summary	
Crime and traffic breakdowns	
UCR crime stats for 2022	9
2022 Workload	10
Patrol	10
Investigations	10
Animal control	10
Social services	10
Property, evidence & CSI	
Records	11
Traffic	11
Communications	11
Incidents dispatched	11
Community outreach	11
Use of force	
Citizen complaint reporting	
2022 Accomplishments	13
ProQA- CAD Emergency Medical Assistance Software	13
CAD to CAD Interface	13
Grant funding to support training and traffic safety	13



The Roseville Police Department commits itself to safeguarding our community; protecting life and property; reducing crime; and enforcing the law impartially.

We are dedicated to providing outstanding service while working in partnership with our community to keep Roseville safe.



Chief's message

Chief Troy Bergstrom

On behalf of the Roseville Police Department, I proudly bring to you this summary for 2022. Through this annual review, we'll provide:

- An overview of your Police Department
- Our workload metrics
- Crime and traffic statistics
- Accomplishments

The purpose of this annual review is to provide a snapshot of the effort done by your Police Department. Although comprehensive, it only scratches the surface to show all the great work done by our team. One thing is certain, our officers and professional staff have a strong commitment to keep our city safe and thriving.

Community engagement

Using our strategic plan as our guide, we started 2022 with some significant initiatives. One of our top priorities was to re-engage with our community. This year, we returned in full force to our outreach programs including neighborhood meetings, National Night Out, resident and business police academies, Coffee with a Cop, Shop with a Cop, events in our downtown Vernon Street Square like Christmas Tree Lighting, Crime Stoppers Fun Run, Fourth of July Parade, Downtown Tuesday Nights, and many more. After a few years of pandemic-era virtual events, it was great to connect in-person.

Staffing

As our community continues to grow, the City of Roseville has a strong commitment to ensure your Police Department maintains the staffing levels to meet the growing demands. Our internal Recruitment Team has been busy. As everyone has seen in the job market, recruiting new employees is a challenge across all job sectors. Even with those challenges, we have an unwavering commitment to bring high quality candidates to fill our open positions. Over the past year we added several new positions, including:

- Seven officers to our Patrol Division.
- Two sergeant positions to our Patrol Division.
 - The last sergeant position added to patrol was in 2003.
- One officer position to support our Professional Standards Unit.
 - This position will assist with pre-employment background investigations and work with our body worn camera program.
- One dispatch supervisor for our 911 Communications/Dispatch Center.
 - This fourth supervisor adds valuable coverage for emergency communications.
- One animal control officer to assist with our ever-growing ACO calls for service.
 - This is our first new ACO position since 1993.

Infrastructure and equipment

To ensure we have the infrastructure and equipment to remain response ready, we initiated several projects over 2022 to upgrade and enhance our operations.

1. Firearms Range Training Facility

 In operation since 1998, this regional asset was in need of repair and maintenance. As the remodel plans are executed, this facility will continue to be a valuable training asset. Estimated completion 3/1/2023.

2. Command Post Vehicle

 A new joint Police and Fire Public Safety Command Post vehicle will replace our 20+ year old Mobile Command Post trailer. Estimated delivery 3/1/2023.

3. SWAT Armored Vehicle

 The Roseville-Rocklin SWAT Team has ordered a replacement armored vehicle. This regional asset will replace the current 15 year old vehicle. Estimated delivery 7/1/2023.

4. Real Time Crime Center

 The Investigations Unit is finalizing the software and hardware needs to expand our Real Time Crime Center (RTCC). The RTCC uses technology to assist law enforcement as we respond to in-progress calls and with follow-up investigations. Full operational estimate spring of 2023.

Commitment to service

While adding staffing positions and making progress on large scale projects is exciting, we remain vigilant to our mission: safeguarding our community, protecting life and property, reducing crime, and enforcing the law impartially. As your Police Department, our job is to keep our community safe This remains our top priority, as such, throughout this summary you'll see many of the key factors related to maintaining our high quality of life.

The staff of the Roseville Police Department are here day and night, keeping a watchful eye, making sure our city is safe. As our City grows, we're committed to working together to strengthen our police-community connections. We recognize this relationship is our best tool in keeping Roseville safe, and we can only do that with your support. I continue to be amazed at the many ways our community shows its appreciation of our Department and the men and women who call the Roseville Police Department home.

Thank you for your continued support in keeping Roseville safe,

Bergotrom

Divisions of the Police Department

The Roseville Police Department is organized into three divisions, each are overseen by a captain.



Captain Doug Blake

Operations Division

The Operations Division is responsible for providing the Department's frontline law enforcement services. This includes Patrol Officers and Community Service Officers, K-9 Unit, and the Special Operations Unit made up of the Roseville-Rocklin Regional SWAT team, Bomb Squad, and the Critical Incident Negotiations Team.



Captain Josh Simon

Investigative Services Division

The Investigative Services Division is responsible for the Department's Investigative and Special Investigations Units. Included within these units are: Crime Analysis; Real Time Crime Center; undercover investigative teams; and Person; Property; and Hi-Tech Investigations.



Captain Kelby Newton

Community Services Division

The Community Services Division is responsible for many internal and external operations of the Department. These include Professional Standards, Training, Recruitment, Public Affairs, Community Outreach, Traffic, Social Services, and Animal Control.



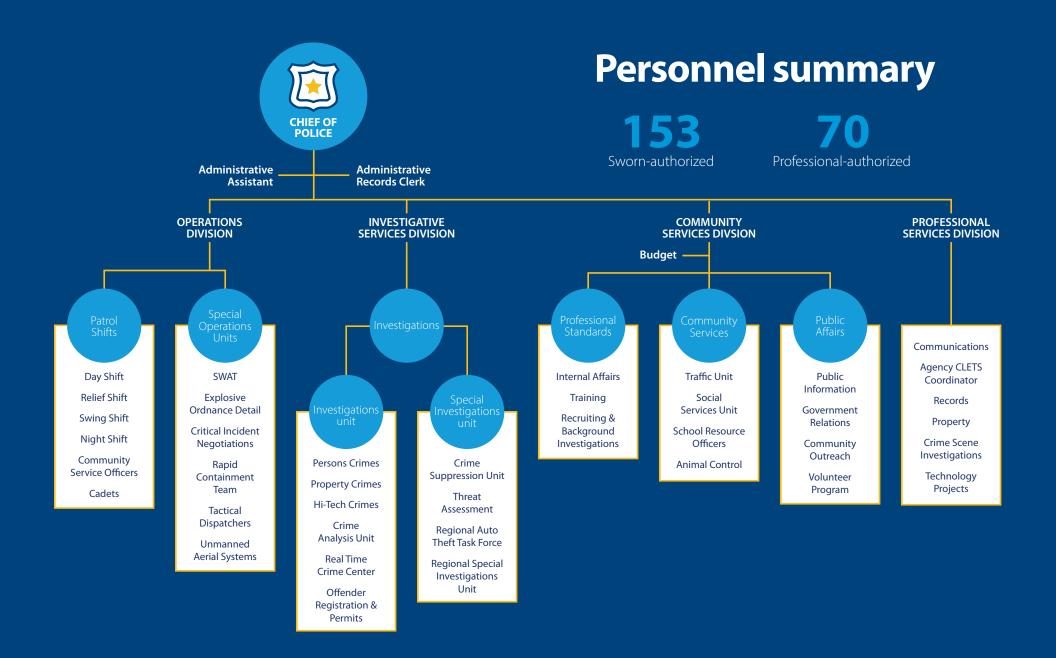
Administrator Katie Braverman



Administrator Claudia Harlan

Professional Services Division

The Professional Services Division is responsible for the Department's Emergency Communications, Records, Property & Evidence, Crime Scene Investigations, and technology projects.



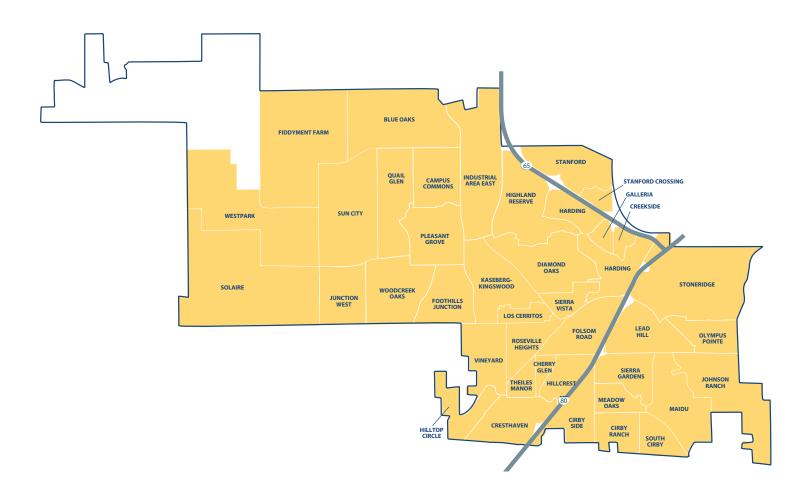
- 5 -

Neighborhood Associations & reporting districts

The City of Roseville is divided into 45 Neighborhood Associations that also act as police reporting districts.

A community organization called the Roseville Coalition of Neighborhood Associations or RCONA is comprised of representatives from each neighborhood. Neighborhood Officers are assigned to each neighborhood association with an effort to support Community Oriented Policing and Problem Solving (COPPS).

Annually the Police Department partners with RCONA to support police community relations and events. For more information about RCONA, visit their website RCONA.org.



Budget summary

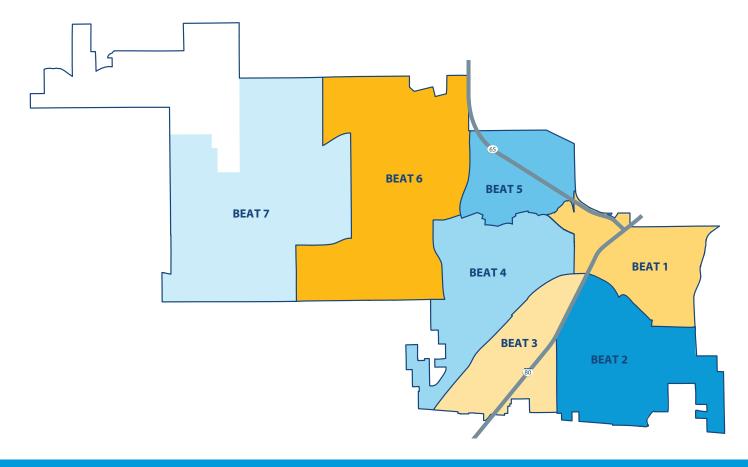
The Fiscal Year 21/22 approved budget for the Police Department totals \$54,739,410 from all funding sources and supports 223 full time equivalent (FTE) positions (153 sworn and 70 professional).



POLICE DEPARTMENT	2021-2022 ADOPTED	2021-2022 AMENDED	2022-2023 ADOPTED
ADMINISTRATION, SUPPORT & COMM SERVICES	\$17,211,769	\$17,403,397	\$17,586,679
POLICE OPERATIONS	\$30,805,402	\$32,381,127	\$35,485,471
ANIMAL CONTROL	\$1,354,021	\$1,443,976	\$1,561,292
RESOURCES			
SALARIES, WAGES, BENEFITS	\$38,210,281	\$40,247,686	\$41,842,319
MATERIAL, SUPPLIES, SERVICES	\$11,073,611	\$11,590,027	\$12,730,623
CAPITAL OUTLAYS	\$87,300	\$87,300	\$86,500.00
FUNDING SUMMARY			
NET TRAFFIC SAFETY FUND	\$3,000	\$71,060	\$5,968
NET FORFEITED PROPERTY FUND	\$50,000	\$50,000	\$50,000
NET FEDERAL ASSET SEIZURE FUND	\$50,000	\$50,000	\$50,000
NET GENERAL FUND	\$49,268,192	\$51,228,047	\$54,633,442
TOTAL DEPARTMENT FUNDING	\$49,371,192	\$51,399,107	\$54,739,410

Crime and traffic breakdowns

BEAT	CITIZEN INITIATED CALLS FOR SERVICE	OFFICER INITIATED CALLS FOR SERVICE	TRAFFIC STOPS	COLLISIONS
BEAT 1	5152	1803	588	193
BEAT 2	8412	3349	1574	271
BEAT 3	8890	4562	1721	259
BEAT 4	7469	3417	809	121
BEAT 5	4604	1860	461	192
BEAT 6	7194	3313	1232	193
BEAT 7	4229	2110	681	57
OUTSIDE CITY	252	893	265	62
GRAND TOTAL	46202	21307	7331	1348



Top 10 collision locations (citywide)

- 1. Galleria Blvd. / Roseville Pkwy.
- 2. Cirby Way / Sunrise Ave.
- 3. Fairway Dr. / Pleasant Grove Blvd.
- 4. Cirby Way / Riverside Ave.
- 5. Foothills Blvd. / Pleasant Grove Blvd.
- 6. Pleasant Grove Blvd. / Roseville Pkwy.
- 7. E Roseville Pkwy. / Taylor Rd.
- 8. Douglas Blvd. / Sunrise Ave.
- 9. Eureka Rd. / Taylor Rd.
- 10. Foothills Blvd. / Junction Blvd.

UCR crime stats for 2022

2022 Part I Crimes

2022 PART I CRIMES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	TOTAL
HOMICIDE	0	0	0	0	1	1	0	0	0	0	0	0	2
RAPE	4	2	2	3	0	0	7	5	4	5	3	3	38
ROBBERY	9	7	9	7	9	6	8	13	12	5	5	10	100
AGGRAVATED ASSAULT	8	11	9	11	18	8	7	13	19	10	7	4	125
VIOLENT CRIME SUBTOTAL	21	20	20	21	28	15	22	31	35	20	15	17	265
BURGLARY	27	20	27	12	23	15	28	30	26	23	24	24	279
LARCENY	217	206	191	184	194	175	208	205	198	191	176	213	2358
MOTOR VEHICLE THEFT	25	29	21	17	20	22	18	18	22	25	9	14	240
ARSON	1	5	3	2	3	1	1	3	3	0	2	2	26
PROPERTY CRIME SUBTOTAL	270	260	242	215	240	213	255	256	249	239	211	253	2903
TOTAL	291	280	262	236	268	228	277	287	284	259	226	270	3168

2022 PART I CRIMES	2022	2021	RAW # CHANGE	% CHANGE	10-YR AVERAGE TO DATE (2012-2021)	% CHANGE
HOMICIDE	2	2	0	0%	2	0%
RAPE	38	32	6	19%	22	73%
ROBBERY	100	76	24	32%	86	16%
AGGRAVATED ASSAULT	125	145	-20	-14%	142	-12%
VIOLENT CRIME SUBTOTAL	265	255	10	4%	252	5%
BURGLARY	279	327	-48	-15%	421	-34%
LARCENY	2358	2,204	154	7%	2469	-4%
MOTOR VEHICLE THEFT	240	312	-72	-23%	275	-13%
ARSON	26	27	-1	-4%	19	37%
PROPERTY CRIME SUBTOTAL	2903	2,870	33	1%	3184	- 9 %
TOTAL	3168	3,125	43	1%	3436	-8%

2022 Classification

2022 CLASSIFICATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	TOTAL
BURGLARY RESIDENTIAL	11	4	12	9	8	7	11	11	7	8	13	10	111
BURGLARY NON-RESIDENTIAL	16	16	15	3	15	8	17	19	19	15	11	14	168
LARCENY - SHOPLIFT	50	62	59	64	65	51	68	79	63	65	67	84	777
LARCENY - FROM AUTO	114	96	79	71	67	63	76	69	61	65	62	76	899
LARCENY - BICYCLES	8	5	8	8	6	6	6	7	8	3	6	3	74

2022 CLASSIFICATION	2022	2021	RAW # CHANGE	% CHANGE	10-YR AVERAGE TO DATE (2012-2021)	% CHANGE
BURGLARY RESIDENTIAL	111	130	-19	-15%	192	-42%
BURGLARY NON-RESIDENTIAL	168	198	-30	-15%	228	-26%
LARCENY - SHOPLIFT	777	400	377	94%	648	20%
LARCENY - FROM AUTO	899	1173	-274	-23%	1055	-15%
LARCENY - BICYCLES	74	66	8	12%	-	

2022 Workload



Patrol

- Total police incidents (calls for service with personnel response): 67,510
- Total officer initiated incidents (calls for service with all units): 21,306
- Total case reports written (not including supplemental reports): 11,257
- Total officer arrests including misdemeanor citations: 3,204

Investigations

- New cases assigned (assigned in 2022): 677
- Cases closed (including cases assigned prior to 2022): 426
- Cases forwarded to the DA (forwarded in 2022): 208
- Cases resulting in arrest (arrests made in 2022): 35
- Permits processed: 132

Animal control

- Total ACO incidents (calls for service with ACO response): 4,386
 numbers include ACO units only
- Total ACO Priority 1 calls for service: 825
- Total ACO Priority 2 calls for service: 3,950
- Animal control incidents (calls for service with personnel response): 4,775
 number includes all units



Social services

- Mental health cases: 361
- Mobile crisis team calls for services: 228
- Homelessness calls for service: 2,682

Property, evidence & CSI

- Items received: 16,181
- Items purged or released: 12,649
- CSI criminal investigation calls: 135
- CSI DNA hits received: 71
- CSI Fingerprint hits received: 35
- National Integrated Ballistic Information Network (NIBIN) hits: 8



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Records

- Reports (crime, services, and accident) processed: 11,204
- Citations processed: 2,885
- CLETS Stolen property entries: 613
- Background checks (ie, military recruits, federal security clearances): 2,349
- Email/fax/phone requests: 4,535

Traffic

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- Traffic collisions: 1,348
- Traffic stops (traffic unit only): 7,298
- Total citations (traffic unit only): 2278
- Total warnings (traffic unit only): 259
- Traffic services related calls: 122

Communications

- 911 Calls (Includes 3,232 emergency 911 Abandoned): 63,912
- 7 Digit emergency calls: 13,053
- Administrative calls: 78,714
- Outgoing calls: 55,113
- Incoming calls: 155,679
- Total outgoing and incoming telephone calls: 210,792

Incidents dispatched

Calls for service entered by dispatch:

- Police total calls for service (includes cancelled): 103,371
- Fire total calls for service (includes cancelled): 21,908

Calls for service dispatched:

- Total police incidents (calls for service with personnel response): 67,509
- Fire total incidents (calls for service with personnel response): 19,265

Community outreach

- Total events: 171
 - Neighborhood meetings: 58
 - Community events: 113
 - Hours served by Police Volunteers: 6488

Use of force

The Roseville Police Department tracks all instances when a peace officer employed by our Department uses force in the course of duty. In 2022 our officers proactively initiated contact or were dispatched to 67,509 incidents. Of those contacts 53, or .07% of all calls for service, resulted in an officer using force. Officers conducted 7,298 traffic stops with 3, or .04%, resulting in an officer using force.

In accordance with state law, the Roseville Police Department must report to the California Department of Justice all use of force incidents resulting in serious injury or death. In 2022, the following information was reported to the California Department of Justice:

- An incident that involves the shooting of a civilian by a peace officer: **0**
- An incident that involves the shooting of a peace officer by a civilian: **0**
- An incident in which the use of force by a peace officer against a civilian results in serious bodily injury or death: 1
- An incident in which use of force by a civilian against a peace officer results in serious bodily injury or death: 0

In accordance with Department policy, we annually track and analyze all use of force incidents. The information from 2022 resulted in the following categories:

- Total use of force incidents: 53
- **46** incidents occurred while trying to arrest someone
- 16 of the 53 resulted in no injury or just a complaint of pain
- **31** of the **53** resulted in minor to moderate injury
- 1 of the **53** resulted in serious injury

Citizen complaint reporting

In accordance with state law, the Roseville Police Department must report to the California Department of Justice, all citizen complaints filed. In 2022, the following information was reported to the California Department of Justice:

- An incident in which a civilian files a complaint against a peace officer: **3**
- Reported: 3
- Sustained: 1
- Exonerated: 1

- Unfounded: 1
- Pending: 0
- An incident in which a civilian files a racial and/or identifying complaint against a peace officer: 0



2022 Accomplishments

Policing through 2022 continued to provide opportunities and challenges. The Roseville Police Department was successful at executing several major initiatives. Here are four of the signature accomplishments that highlight our resolve and commitment to improving the quality of life in our community.

ProQA- CAD Emergency Medical Assistance Software

Roseville Police Department Dispatch implemented ProQA, an emergency medical assistance software program integrated with the existing Computer Aided Dispatch (CAD) system. The software guides the dispatcher through the pre-emergency medical assistance steps and replaces the previous flip cards on each workstation. The software provides more timely and accurate responses for citizens and responding Fire and Ambulance resources.

CAD to CAD Interface

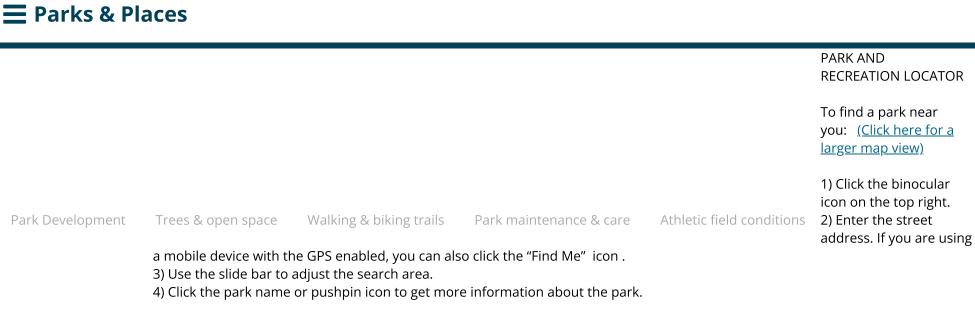
Roseville Police Department implemented a CAD to CAD system between our New World System and American Medical Response (AMR). This adjustment has shifted the 911 Communications Center away from a manual process to an automated process. The end result is the provision of more accurate and quicker Emergency Medical Dispatch (EMD) pre-arrival instructions and medical aid dispatch requests to AMR which are triggered as soon as the medical aid calls are started in CAD.

Both the ProQA- CAD Emergency Medical Assistance Software and the CAD to CAD Interface are very beneficial to the streamlining of processes and increasing efficiencies while providing better service to our community!

Grant funding to support training and traffic safety

The Roseville Police Department Grants Team had a successful year in acquiring grant funding to support important areas of the organization. The Police Department received \$150,000 from the Department of Justice to support de-escalation training. The Department received \$175,000 from the California Office of Traffic Safety to support keeping our roads more safe. The Department received another grant from the Department





5) Select the filter icon to only display map with preferred amenity.

- <u>Apollo Dog Park</u>
- Astill Family Park
- Baquera Park
- Bear Dog Park
- Besana Park

- <u>Gray Park</u>
- Hall Park
- Hamel Park
- Harrigan Greens
- <u>Heredia Park</u>

- <u>Piches Park</u>
- Pineschi Park
- Pistachio Regional Park
- Project Play Park
- <u>Rickey Park</u>

7/26/23, 11:49 AM

- Blue Oaks Park
- <u>Bos Park</u>
- Brown Park
- Buljan Park
- <u>Burner Park</u>
- <u>Cambria Park</u>
- <u>Central Park</u>
- <u>Crabb Park</u>
- <u>Crestmont Park</u>
- <u>Crimson Ridge Park</u>
- Davis Park
- <u>Diamond Oaks Golf Course</u>
- <u>Diamond Oaks Park</u>
- Dietrich Park
- <u>Dog Parks</u>
- <u>Downtown Library</u>
- <u>Doyle Park</u>
- Dugan Park
- Duran Park
- <u>Eastwood Park</u>
- Elliott Park
- Erven Park
- Ferretti Park
- Festersen Park
- <u>Fiddyment Park</u>
- <u>Field conditions</u>
- Four Corners Park
- Fratis Park
- <u>Garbolino Park</u>
- Goto Park

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Parks & Places - City of Roseville

- <u>Hillsborough Park</u>
- Hughes Park
- <u>Huisking Park</u>
- Johnson Pool
- <u>Kaseberg Park</u>
- <u>Kennedy Park</u>
- <u>Kenwood Oaks Park</u>
- Lincoln Estates Park
- Lockridge Park
- Luken Park
- <u>Lunardi Park</u>
- Mahan Park
- <u>Mahany Fitness Center (formerly Roseville</u> <u>Sports Center)</u>
- <u>Mahany Park</u>
- <u>Maidu Community Center</u>
- <u>Maidu Library</u>
- <u>Maidu Museum & Historic Site</u>
- <u>Maidu Regional Park</u>
- Marco Dog Park
- <u>Mike Shellito Indoor Pool</u>
- <u>Misty Wood Park</u>
- <u>Nelson Park</u>
- <u>Nichols Park</u>
- North Hayden Park
- <u>Olympus Park</u>
- Open Space
- <u>Park Development</u>
- <u>Park Maintenance</u>
- Parks & Recreation Admin Office
- Phillips Park

9

• <u>Riley Library</u>

- <u>Roccucci Park</u>
- <u>Roseville Aquatics Complex</u>
- <u>Royer Park</u>
- <u>Sakamoto Park</u>
- Santucci Park
- <u>Saugstad Park</u>
- <u>Sculpture Park</u>
- Sierra Crossing Park
- <u>Silverado Oaks Park</u>
- <u>Stephenson Park</u>
- <u>Stizzo Park</u>
- Sullivan Park
- Summerhill Park
- Taylor Park
- <u>Twinwood Park</u>
- Uribe Park
- Vernon Street Town Square
- Veterans Memorial Park
- Veterans Memorial Park North
- Wallace Park at Cresthaven
- <u>Waltrip Park</u>
- Wanish Park
- Weber Park
- <u>White Park</u>

- <u>Woodbridge Park</u>
- Woodcreek Golf Club

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TRIP GENERATION MANUAL

9th Edition • Volume 2: Data

Trip Generation Rates, Plots and Equations

- Port and Terminal (Land Uses 000–099)
- Industrial (Land Uses 100-199)
- Residential (Land Uses 200-299)
- Lodging (Land Uses 300–399)
- Recreational (Land Uses 400-499)



Institute of Transportation Engineers

Land Use: 220 Apartment

Description

Apartments are rental dwelling units located within the same building with at least three other dwelling units, for example, quadraplexes and all types of apartment buildings. The studies included in this land use did not identify whether the apartments were low-rise, mid-rise, or high-rise. Low-rise apartment (Land Use 221), high-rise apartment (Land Use 222) and mid-rise apartment (Land Use 223) are related uses.

Additional Data

This land use included data from a wide variety of units with different sizes, price ranges, locations and ages. Consequently, there was a wide variation in trips generated within this category. Other factors, such as geographic location and type of adjacent and nearby development, may also have had an effect on the site trip generation.

The peak hour of the generator typically coincided with the peak hour of the adjacent street traffic.

The sites were surveyed between the late 1960s and the 2000s throughout the United States and Canada.

Many of the studies included in this land use did not indicate the total number of bedrooms. To assist in the future analysis of this land use, it is important that this information be collected and included in trip generation data submissions.

Source Numbers

2, 4, 5, 6, 9, 10, 11, 12, 13, 14, 16, 19, 20, 34, 35, 40, 72, 91, 100, 108, 188, 192, 204, 211, 253, 283, 357, 436, 525, 530, 579, 583, 638

Apartment (220)

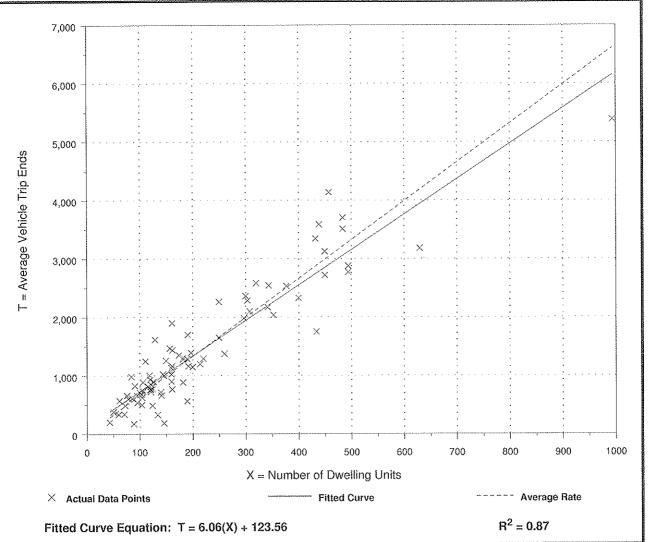
Average Vehicle Trip Ends vs: Dwelling Units On a: Weekday

Number of Studies: 88 Avg. Number of Dwelling Units: 210 Directional Distribution: 50% entering, 50% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
6.65	1.27 - 12.50	3.07

Data Plot and Equation



	۵۱	/erage	• Vehi	cle Trip	Ends Or	vs: n a:	Dwellin Weekda Peak Ho One Ho	iy, our of <i>i</i>	Adjacei	nt Stre and 9	et Tra a.m.	ffic,	
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Trip Ge		on pe Ige Rate		lling U	nit F	Rande	of Rates			Stand	dard Dev	viation	
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Fitted Curve Equation: T = 0.49(X) + 3.73

Trip Generation, 9th Edition
Institute of Transportation Engineers

334

Apartment (220) Average Vehicle Trip Ends vs: Dwelling Units On a: Weekday, Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m. Number of Studies: 90 Avg. Number of Dwelling Units: 233 Directional Distribution: 65% entering, 35% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation	
0.62	0.10 - 1.64	0.82	

Data Plot and Equation

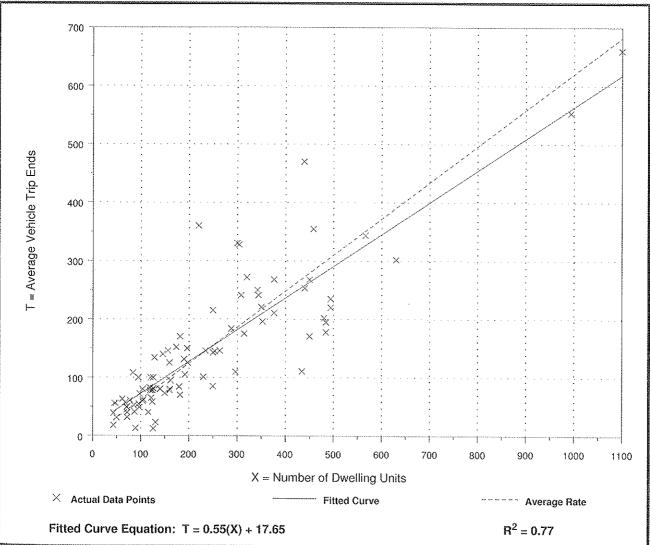


Table 4.5-3 City of Roseville Efficiency Thresholds Based on Statewide Demographics Adjusted for Relevant Land Uses*

	2020	2030	2035	2050
Emissions Targets (MT CO ₂ e/yr) ¹	293,400,000	176,040,000	146,700,000	58,680,000
Percent Mass Emissions Reduction	n/a	40% below 2020	50% below 2020	80% below 2020
Population ²	40,719,999	44,019,846	45,521,334	49,158,401
Employment	17,178,680 ³	19,010,119 ⁴	19,658,541 ⁴	21,229,221 4
Service Population (SP)	57,898,579	63,029,965	65,179,875	70,387,622
Per Capita Emissions Efficiency Targets (MT CO ₂ e/capita/yr)	7.21	4.00	3.22	1.19
Per Service Population Emissions Efficiency Targets (MT CO ₂ e/SP/yr)	5.07	2.79	2.25	0.83

Future projects which use these thresholds for environmental analysis should include a brief justification of the type of efficiency target and the target year selected. Per capita is most applicable to projects which only include residential uses, or in cases where reliable data to generate a service population estimate is unavailable. Projects should generally use the 2035 target year. Note that future projects consistent with the General Plan will not require further analysis, per the tiering provisions of CEQA.

Note: MMT CO₂e = million metric tons of carbon dioxide equivalent; Service Population (SP) = population + employment

California 1990 Greenhouse Gas Emissions Level and 2020 Limit by Sector, ARB:

<<u>http://www.arb.ca.gov/cc/inventory/1990level/1990level.htm</u>>; targets for future years based upon percent mass emissions reduction targets established by SB 32 and EO-S-3-05, and an interpolation between 2030 and 2050 targets for the year 2035, in alignment with state reduction targets presented in Table 4.5-1.

DOF Table P-1 Total Estimated and Projected Population for California and Counties: July 1, 2010 to July 1, 2060 in 5-year increments. February 2017. Available online at: <a href="http://www.dof.ca.gov/Forecasting/Demographics/projections/second-s

Interpolated from revised (i.e., land-use related) Employee Development Department (EDD) Employment Projections for 2014 (15,694,600) and 2024 (18,167,900). Available online at: http://www.labormarketinfo.edd.ca.gov/data/employment-projections.html. Sorted to remove jobs from: 11-9013 Farmers, Ranchers, and Other Agricultural Managers; 19-1032 Foresters; 19-4041 Geological and Petroleum Technicians; 19-4093 Forest and Conservation Technicians; 45-000 Farming, Fishing, and Forestry Occupations; 47-5000 Extraction Workers; 49-3011 Aircraft Mechanics and Service Technicians; 49-3041 Farm Equipment Mechanics and Service Technicians; 49-9041 Industrial Machinery Mechanics; 49-9043 Maintenance Workers, Machinery; 49-9044 Millwrights; 51-0000 Production Occupations; 53-2000 Air Transportation Workers.

⁴ EDD does not provide employment estimates to 2050, so the ratio of employment to population estimated in 2024 (i.e., 43.2%) was applied to the DOF population estimates for 2030, 2035, and 2050 to estimate employment in those years. See Appendix B for detailed calculations and data inputs.

4.5.4.3 ISSUES NOT DISCUSSED FURTHER

All issues related to GHG emissions are discussed in detail below.

4.5.4.4 IMPACT ANALYSIS

IMPACT
4.5-1Generation of Greenhouse Gas Emissions or Conflict with an Applicable Plan, Policy, or Regulation
Adopted for the Purpose of Reducing the Emissions of GHGs. Buildout of the General Plan would
involve land use change and construction and operation of public facilities and infrastructure that would
result in construction and operational GHG emissions. The impact is cumulatively considerable.

The proposed General Plan Update will generate GHG emissions due to construction as the Planning Area builds out and due to operation of completed uses. This analysis section addresses construction emissions first, followed by operational emissions. The intensity and pace of construction under the General Plan will depend on market and economic conditions. Buidout of the General Plan would involve land use change and associated infrastructure and public facility improvements that would generate GHG emissions from a variety of sources. Construction-related GHG emissions would be generated primarily from exhaust emissions associated with offroad construction equipment, heavy-duty material haul trucks, and construction worker commutes.

Daily GHG emissions would vary depending on the type of construction activities. For example, daily GHG emissions would be higher during construction-equipment-intensive phases, such as site grading, and lower during less intensive phases, such as building construction. The City anticipates that there will be times with little construction activity and other times when multiple projects are proceeding at once, resulting in higher daily and annual emissions. GHG emissions generated by these sources were quantified using emission factors and methodologies described in Section 4.5.3.1, "Methodology." The construction-related emissions estimates use conservative assumptions based on construction occuring in the earliest possible year (year 2021), a construction scenario of maximum overlap of the most intensive days of equipment use of each construction phase (site prep, grading, building construction, paving, and architectural coating), and concurrent construction to develop up to 10 percent of the proposed General Plan Update buildout acreage in a single year. Because of these conservative assumptions, actual emissions could be less than those estimated. If construction is delayed or occurs over a longer period, emissions could be reduced because of a more modern and cleaner burning (less emitting) construction equipment fleet mix and a less intensive and overlapping construction schedule.

Table 4.5-4 summarizes the maximum annual and total construction-related GHG emissions from buildout of the General Plan. In order to provide a more comprehensive assessment of cumulative GHG emissions, construction-related GHG emissions that would result from full buildout of the General Plan were summed and then amortized over an estimated 30-year operational lifetime and added to the operational emissions associated with these land uses. The amortized construction-related GHG emissions are also presented in Table 4.5-4. Refer to Appendix B for detailed model inputs, assumptions and calculations.

Table 4.5-4. Summary of Maximum Construction-Related Greenhouse Gas Emissions for the Maximum Single-Year Construction Scenario (year 2021) and with Full Buildout		
	MT CO ₂ e	
Maximum Single-Year Construction Scenario	54,820	
Total Construction Emissions from Full Buildout ¹ 548		
Amortized Construction Emissions, per year218,273		

Notes: MT CO_2e = metric tons of carbon dioxide equivalents

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¹ Total construction emissions are estimated by multiplying the annual worst-case constructions, which represents construction emissions associated with development of 10 percent of the total proposed land uses, by ten.

² Construction emissions are amortized over 30 years, which is the average assumed lifetime of proposed land use development. Source: AECOM 2019: See Appendix B for detailed modeling assumptions, outputs, and results.

Long-term operational emissions would be generated by the day-to-day activities associated with existing and proposed land uses within the Planning Area. Operational GHG emission sources would include energy consumption (i.e., electricity and natural gas), transportation, waste, and water and wastewater. Operational GHG emissions are distinguished by direct and indirect GHG emissions. Direct GHG emissions are generated at the location of consumption or use. For example, mobile-source emissions are direct because GHG emissions are generated as a vehicle begins to move. Indirect emissions occur at a different time or location from the point of consumption or use. For example, electricity-related GHG emissions are indirect because although a consumer uses electricity at their home, the fuel combustion and emissions associated with creating that electricity likely occurred off-site or at a different time. Table 4.5-5 presents the operational GHG emissions estimates for existing land uses and activity within the Planning Area, and total operations for the Planning Area with full buildout of

the proposed General Plan Update. Existing operational emissions are based on data from the transportation modeling prepared for the proposed General Plan Update, as well as activity data for local emission source operations provided by the City and relevant agencies for each sector. Operational emissions for buildout of the proposed General Plan Update are provided for the year 2035, consistent with the cumulative horizon year for the General Plan, and are based upon land use categories and emissions modeling using CalEEMod. Amortized construction-related emissions are then added to the total operational emissions of the Planning Area anticipated with full buildout of the General Plan in 2035, and these emissions are compared the GHG efficiency threshold for 2035 (see Table 4.5-3).

	Existing Conditions ¹	Total Planning Area (Existing + New Development)
Operational Source		
Area ²	Not Available	115,302
Energy ³	446,557	303,238
Mobile ⁴	565,734	1,071,198
Waste	33,236	87,758
Water	4,903	33,268
Total Annual Operational Emissions	1,050,430	1,610,763
Total Annual Operational (2035) + Amortized Construction Emissions	-	1,629,037
Existing Service Population (residents + employees)	204,802	318,252
Total ⁵ Annual Project Emissions (MT CO ₂ e) per Service Population ³	5.13	5.12
GHG Efficiency Threshold (MT CO2e per service population)	-	2.25
Exceed threshold?	-	Yes

Table 4 5-5 Modeled GHG Emissions Generated within the Planning Area (emissions are presented

modeling results from the ClearPath tool, which allow users to input the sector activity (e.g., kilowatt hour) and emission factors to calculate the final carbon dioxide equivalent (CO2e) emissions. See Appendix B for additional detail.

² Area emissions would be those generated by wood burning fireplaces. Data was not available to assess these emissions for 2016 conditions. Default modeling assumptions were used for the purposes of the Total GP Planning Area Full Buildout Scenario.

Energy emissions are calculated based upon Roseville Electric Utility emissions factor for year 2016, and projected Roseville Electric Utility emission factor for 2035 based upon increased RPS percentage within the power mix.

Mobile emissions are calculated using EMFAC 2014 emissions rates for the existing conditions scenario and EMFAC 2017 emissions rates and VMT from the Transportation Impact Analysis for the Total GP Planning Area Full Buildout Scenario.

Annual project emissions (amortized construction + operational) per service population are calculated based upon estimate of 198,000 residents + 120,000 employees in the City of Roseville in 2035 with buildout of the proposed General Plan Update (See General Plan Land Use Element)

Totals do not add due to rounding.

Source: Modeled by AECOM in 2019

As shown in Table 4.5-5, without consideration of the reduction benefits associated with proposed General Plan Update policies and implementation measures, buildout of the proposed General Plan Update would result in a GHG emissions efficiency of 5.12 MT CO₂e per service population in 2035, which exceeds the GHG efficiency threshold of 2.25 MT CO₂e per service population. The estimated GHG emissions efficiency is calculated using a conservative estimate of total residents and employees anticipated within the Planning Area in the year 2035; estimates for total service population show that employment could be nearly 10 percent higher, which could generate a GHG emissions efficiency of approximately 4.86 MT CO₂e per service population.

The emissions shown in this table are unmitigated; they do not take into consideration mobile source emissions reductions that would be available or implementation of the proposed General Plan Update's revised policies related to infill development, VMT, transit service, bicycle and pedestrian access, and related topics. In addition, the degree to which the proposed General Plan Update will achieve VMT reductions depends on a number of factors, many of which are not within the City's control and cannot be predicted. VMT reduction depends on factors such as demographic change, household preferences for housing types and locations, the cost of fuel, and the competitiveness of regional transit relative to driving (which relates to congestion along vehicular commute routes that are not under the City's jurisdiction, as well as transit provided by agencies other than the City), and funding availability to improve non-vehicular travel options.

To the extent that the City can influence whether the proposed General Plan Update will reduce VMT, this will depend on planning that reduces travel demand per capita and per employee by promoting increased density near transit, improving the quality of non-vehicular transportation options, providing incentives for non-vehicular travel, encouraging the mixing of complementary land uses in proximity to one another, and other feasible methods.

The results reported here can also be considered conservative because some of the analysis uses default CalEEMod assumptions, which tend to overestimate emissions. For example, based on a comparison to 2016 waste generation and waste use data provided by the City of Roseville, the emissions estimated by CalEEMod represent waste generation and water use rates that are approximately one-third higher than actual rates for the City of Roseville in 2016. It can be assumed that, based on regulations and trends in conservation, waste generation and water use rates would decline over time and not increase. Therefore, it is also reasonable to assume that the waste and water emissions presented for 2035 are at least one-third higher than what is likely to occur within the Planning Area in the year 2035.

EPA and ARB have developed regulations, programs, and strategies that address GHG emissions. See Section 4.5.3, "Regulatory Framework," for a description of regulations that would help reduce GHG emissions associated with the Proposed Project. Those regulations that pertain to mobile- and energy-related emissions would have the most substantial effect on reducing future emissions within the Planning Area. As cleaner burning fuel and fuel efficiency of vehicles improves over time, mobile emissions decrease per vehicle mile travelled. As utility providers are mandated to meet more stringent emission standards and incorporate a greater percentage of renewable energy sources in the power grid, emissions from electricity decline per unit of energy.

The following goals and policies related to GHG emissions would be revised as a part of the proposed General Plan Update, with additions shown in **bold, underlined** text and deletions shown in strikethrough text:

Goal AQ1.3: Encourage the coordination <u>Coordinate</u> and integration of all forms of public transport <u>to</u>, while reducing motor vehicle emissions, through a decrease in the average daily vehicular trips and vehicle miles traveled, <u>while encouraging an increase in</u>, and by increasing the commute vehicle occupancy rate by 50% to 1.5 or more persons per vehicle.

Goal AQ1.4: Increase the capacity of the <u>pedestrian, bicycle, and transit</u> transportation system<u>s and</u> *P*promote and the share of City owned-<u>vehicular transportation that uses less-polluting fuels, such as electricity</u>, including the roadway system and alternate modes of transportation.

Goal AQ1.5: Provide adequate pedestrian and bikeway <u>bicycle</u> facilities for present and future transportation needs.

Goal AQ1.6: Promote a well-designed and efficient light rail and transit system.

Goal AQ1.7: While recognizing that the automobile is the primary form of transportation, the City of Roseville should make a commitment to shift from the automobile to other modes of transportation. Improve transit, bikingbicycle, and pedestrian access to lessen dependence on automobile travel and reduce household transportation costs.

Goal AQ1.8: Reduce City greenhouse gas emissions, consistent with local, regional, and state goals.

- Policy AQ1.1: Cooperate with other agencies to develop a consistent and an effective approach to <u>reducing</u> air pollution planning.
- Policy AQ1.3: Projects that could generate substantial air pollutant emissions or expose sensitive uses to substantial air pollutant concentrations should incorporate strategies to reduce operational emissions, applicable emissions control exposure to such emissions using measures recommended by the Placer County Air Pollution Control District, and other relevant applicable, feasible strategies, as needed, to avoid significant air quality impacts Develop consistent and accurate procedures for evaluating the air quality impacts of new projects.
- Policy AQ1.6: Require new development and City projects to reduce greenhouse gas emissions sources in the Planning Area to the greatest degree feasible.
- Policy AQ1.7: The City will participate in and support regional greenhouse gas reduction and adaptation programs that are consistent with the General Plan and have available funding.
- Policy AQ1.9: Preserve and enhance carbon sequestration resources in the City to improve air quality and reduce net greenhouse gas emissions.
- ► Policy AQ1.10: Improve overall health and sustainability of the community by reducing emissions of greenhouse gases that contribute to climate change.
- Policy AQ1.11: Promote local purchase and use of electric vehicles through incentives and strategic expansion of charging infrastructure.
- Policy AQ1.12: Develop transportation systems that minimize vehicle delay and reduce vehicle emissions by improving the desirability of walking, bicycling, and public transportation relative to vehicular travel air pollution.
- Policy AQ1.13: Develop Identify feasible strategies to reduce consistent and accurate procedures for mitigating transportation emissions from new and existing projects and transportation associated with existing development within the Planning Area.
- Policy AQ1.14: Encourage alternative modes of transportation, including pedestrian, bicycle, and transit usage <u>use</u>.

- Policy AQ1.15: Promote and incentivize low-emissions vehicles and associated charging infrastructure.
 Pursue funding from state programs and other sources to facilitate local purchase and use of electric vehicles.
- Policy AQ1.16: Encourage Implement land use policies that maintain and improve air quality and expand opportunities for transit-oriented development, which allows residents to significantly reduce vehicular transportation and associated air pollutant emissions.
- Policy AQ1.17: Conserve energy and reduce air <u>pollutant</u> emissions by encouraging energy efficient building designs and transportation systems <u>and promoting energy efficiency retrofits of existing</u> <u>structures.</u>
- Policy AQ1.18: Promote building and transportation energy efficiency in new residential and commercial development through encouraging and incentivizing implementation measures early in the design and development process.
- Policy AQ1.19: Encourage energy efficiency by identifying potential cost savings, resource, and health <u>benefits.</u>
- Policy AQ1.22: Support improvements to diesel engines, limits on idling, and incorporation of technology and management practices that reduce harmful emissions at the Rail Yard.
- <u>Policy CIRC2.6: Prioritize investments in pedestrian, bicycle, and transit access in Pedestrian Districts.</u>

Goal CIRC.3: Promote <u>Provide</u> a safe, convenient, and efficient transit system, <u>utilizing both bus and rail modes</u>, to <u>to enhance mobility</u>; reduce congestion; reduce auto emissions₁ including emissions that contribute to climate change; improve the environment; and provide viable non-automotive means of transportation in and through Roseville.

- Policy CIRC3.1: Pursue and support transit services within the community and region and pursue land use, design, and other mechanisms that promote the use of such services. Promote transit service that is convenient, cost- effective, and responsive to the challenges and opportunities of serving Roseville and surrounding communities, and explore opportunities for transit innovation and service improvements.
- Policy CIRC3.6: Identify opportunities to increase the number and/or capacity of park-and-ride lots as needed, to increase transit and carpool/vanpool use.

Goal CIRC4: Reduce travel demand <u>vehicle miles traveled</u> on the City's <u>and regional roadway</u> systems, <u>while</u> <u>expanding mobility options for residents, employees, and visitors</u>.

Policy CIRC4.1: Continue to enforce the City's TSM ordinance and monitor its effectiveness. The City will review and condition projects, as appropriate, to reduce travel demand per capita and per employee by promoting increased density near transit, improving the quality of non-vehicular transportation options, providing incentives for non-vehicular travel, encouraging the mixing of complementary land uses in proximity to one another, and using other feasible methods.

- **Policy CIRC4.2:** Work with appropriate agencies to develop **<u>implementation</u>** measures to reduce vehicular travel demand and total vehicle miles traveled and meet air quality goals.
- Policy CIRC4.3: Specific Plan Amendments and land use development projects not included in a Specific Plan shall be evaluated for consistency with the City's VMT Impact Standards.
- Policy CIRC4.4: If the evaluation required by CIRC4.3 finds a Specific Plan Amendment or land use development project not included in an adopted Specific Plan is inconsistent with thresholds established within the City's VMT Impact Standards, on-site land use, transportation, and urban design-related VMT-reducing features should be prioritized to demonstrate consistency. If feasible onsite features cannot achieve the VMT threshold, Specific Plan Amendments and land use development projects outside Specific Plan Areas may demonstrate equivalent consistency through off-site actions or fair-share fee contributions, or if consistency cannot be achieved, shall implement all feasible measures.
- Policy CIRC4.5: Policy CIRC4.3 does not apply to projects that propose residential or office uses in Transit Priority Areas or low-VMT areas. Low-VMT areas are those shown by the General Plan travel demand model or the SCS travel demand model to have per-capita, per-employee, or per-servicepopulation VMT rates that are at least 15 percent less than the baseline citywide or regional rate.
- Policy CIRC4.6: Promote and incentivize Infill development, particularly affordable housing development, through assistance in obtaining outside grant funding and reductions or deferrals in impact fees.
- Policy CIRC5.1: Develop a comprehensive and safe system of recreational and commuter bicycle routes and trails that provides connections between the City's major employment <u>destinations (including employment)</u> and housing areas and between its existing and planned bikeways.

Goal CIRC6.1: Increase the percentage of pedestrian trips in Roseville.

- Policy CIRC6.1: Establish and maintain a safe and continuous pedestrian network that provides connections between residential areas and commercial retail and services, employment, public services, parks, and public transit.
- ► Policy CIRC6.2: Promote development patterns that encourage people to walk to destinations.
- **Policy LU2.1:** Promote land use development patterns that support a variety of transportation modes and accommodate pedestrian mobility.
- ► **Policy LU2.2:** Allow for land use patterns and mixed use development that integrates residential and nonresidential land uses, south that residents may easily walk or bike to shopping, services, employment, and leisure activities.
- Policy LU2.3: Concentrate higher-intensity uses and appropriate support uses in <u>Pedestrian Districts and</u> within close proximity of transit and bikeway corridors, as identified in the <u>Transit Master Plans and</u> Bicycle Master Plan. In addition, some component of public <u>Public</u> uses, such as parks, plazas, public buildings, community centers, <u>schools</u>, and/or libraries, should be located within Pedestrian Districts and transit and bikeway corridors <u>easily accessible to the public</u>.

- Policy LU2.4: Promote and encourage the location of employee services, such as child care, restaurants, banking facilities, convenience markets, etc-and other daily needs, within major employment centers for the purpose of reducing mid-day service-related vehicle trips.
- Policy LU2.5: Where feasible, improve existing developedment areas to create better pedestrian, bicycle, and transit accessibility.
- Policy LU2.6: Through City land use planning and development approvals, rRequire proposed that neighborhood-serving uses (e.g. neighborhood commercial uses, day care, parks, schools, and other community facilities <u>and services</u>) to be physically linked with adjacent residential neighborhoods <u>through</u> <u>multi-modal transportation connections.</u>
- ► **Policy LU3.4:** Encourage infill development and rehabilitation-reinvestment that:
 - <u>Upgrades</u> the quality and enhances the character of existing areas;
 - <u>Enhances the mix of land uses in proximity to one another so that more households can access</u> services, recreation, and jobs without the use of a car;
 - enhances Facilitates pedestrian activity and public transit use, and pedestrian access;
 - <u>**E**</u>fficiently utilizes and does not overburden existing services and infrastructure; and
 - <u>R</u>esults in land use patterns and densities that provide the opportunity for the construction of <u>a</u> variety of household-housing types <u>that are</u> affordable to all income groups.
- Policy LU7.2: Continue to develop and apply design standards that result in efficient site and building designs, pedestrian-friendly projects that stimulate the use of alternative modes of transportation, and the establishment of functional relationships between adjacent developments.
- Policy LU8.10: In addition to being consistent with the other goals and policies of the General Plan, <u>S</u>epecific <u>P</u>elans shall comply with the following:
 - a. Provide a public focal point, community, and/or theme feature. These features shall be specific to each area and be designed to promote and enhance community character. A special feature may include, but is not limited to, a community plaza, central park, or some other type of gathering area; outdoor amphitheater; community garden; regional park with special facilities; sports complex; or cultural facilities.
 - b. Provide entryways at entrances to the City in accordance with the Community Design Guidelines. Where possible, the entryways shall take advantage of and incorporate existing natural resources into the entry treatment. The <u>S</u>specific <u>P</u>plans shall identify the location and treatment of the entryways, and shall consider the use of open space, oak regeneration areas, signage, and/or special landscaping to create a visual edge or buffer that provides a strong definition to entryways into the City.
 - c. The <u>S</u>specific <u>P</u>plan areas shall be planned and oriented to be an integral part of the City consistent with the policies of the Community Form component of this Element.
 - d. Develop design guidelines, specifying screening and a transition between public utilities (e.g. substations, pump stations) and other uses, in conjunction with the public utility departments and agencies. In

addition, development along power line and pipeline easements shall incorporate design treatment to ensure compatibility and safety. Design guidelines and treatment may include minimum setbacks, building and landscape design standards, and possible limitations on certain types of uses and activities.

- e. Preserve natural resource areas where they exist, and where feasible, along new roadways. Such roadways may create a public boundary between the resource area and other uses. The <u>S</u>pecific <u>P</u>plans shall identify locations and standards for the preservation of natural resources along roadways, and shall identify sources of financing for such road segments.
- Policy PF4.4: Comply with federal, state, and local greenhouse gas reduction targets, including the renewable portfolio standards and carbon-free electricity requirements.
- Policy PF4.6: Pursue reasonable and cost-effective energy efficiency, conservation, and load management programs <u>that provide benefits to the community</u>. pertinent to the electric utility system.

Goal PF9.1: Preserve scarce resources by recognizing the importance of <u>efficiency</u> conservation in water and energy management.

Goal PF9. 2: Balance conservation <u>efficiency</u> efforts with water and energy supplies for the maximum benefit of Roseville's residents.

- ► Policy PF9.1: Develop and implement water conservation <u>efficiency</u> standards
- Policy PF9.4: Develop and adopt a landscape ordinance that provides <u>implement</u> standards for the use of drought tolerant, and water-conserving <u>efficient</u> landscape practices for both public and private projects.
- Policy PF9.5: Develop and implement public education programs designed to increase public participation in energy, water conservation<u>efficiency</u>, and recycled water use.
- Policy PF9.8: Preserve scarce <u>natural</u> resources by undertaking major projects in energy conservation and load management, including increasing efficiency in the City's electrical system.
- **Policy PF9.9:** Continue and expand energy efficiency and conservation programs to serve all utility users.

The proposed General Plan Update goal and policy changes listed above provide greater clarity related to the City's intent to encourage infill development and mixing of land uses in proximity, which allows non-vehicular travel. The revisions also relate to improving public transit options and bicycle and pedestrian facilities to encourage a shift away from vehicular travel and encourage cleaner-fuel vehicle use. The revisions clarify the City's intent to reduce GHG emissions in a way that is consistent with local, regional, and state goals, and that PCAPCD recommendations for reducing GHG emissions should be incorporated into projects to reduce emissions. Policy revisions clarify that, in addition to reducing emissions, the City should take advantage of existing sequestration potential in the City's open spaces, as well as encourage energy efficiency in new buildings. The revisions to goals and policies would result a reduction of GHG emissions, and would not result in any adverse environmental impacts.

Conclusion

Both existing General Plan goals and policies that are not proposed for revision and goals and policies that would be revised as a part of the proposed General Plan Update would reduce GHG emissions from activities in the

Planning Area. Implementation of existing General Plan Air Quality General Policy 4; Bikeways/Trails Policy 2; Residential Energy Efficiency and Conservation Goal 1 and Policies 1, and 2; Water and Energy Conservation Policies 3, 7, and 8 (listed previously in the Regulatory Framework section, and which have been renumbered for the proposed General Plan Update), as well as revised proposed General Plan Update Goals AQ1.3–1.8 and Policies AQ1.1, 1.3, 1.6, 1.7, 1.9–1.19 and 1.22; Goal CIRC3 and Policies 3.1, and 3.6; Goal CIRC4 and Policies CIRC4.1–4.6; and Policy CIRC5.1; Goal CIRC6.1 and Policies CIRC6.1 and 6.2; Policies LU2.1–2.6, 3.4, 7.2, and 8.10; Policy PF4.6; Goals PF9.1 and 9.2 and Policies PF9.1, 9.4, 9.5, 9.8, and 9.9, listed above, would reduce GHG emissions.

Many of the changes embodied in the proposed General Plan Update are focused on achieving GHG emission reductions within the Planning Area through implementation of strategies and related policies that result in GHG emission reductions, while also providing co-benefits to the community, such as improved bicycle, pedestrian and transit mobility options, reductions in household and business transportation and utility costs, improvements to air quality and public health, and improving fiscal sustainability (by managing ongoing costs related to vehicular transportation facilities). In addition, the proposed General Plan Update puts greater emphasis on facilitating infill development, thereby promoting public health through active transportation and reducing GHG emissions.

Land Use Element policies referenced in this EIR chapter provide for the integration of existing and proposed land uses to create a land use mix and development pattern that results in reduced VMT due to accommodation of alternative modes of transportation and accessibility of services in proximity to relevant residential and employment centers. Goals and policies from the Circulation Element promote alternative modes of transportation and expansion of the use of such systems and require plan amendments and projects not included in existing adopted plans to achieve a VMT rate consistent with the MTP/SCS. The Air Quality and Climate Change Element contains policies that would reduce criteria emissions or substantial pollutant concentrations, but would also reduce GHG emissions. Air Quality and Climate Change Element policies would promote and incent low emissions vehicles and associated charging infrastructure, and encourage energy efficient project design for new construction and retrofit of existing structures.

Implementation of the proposed General Plan Update would encourage transportation and energy efficiencies within the Planning Area that would reduce the rate of GHG emissions. However, because there are many important factors about the character and location of future development, and the demographic characteristics of future households and employees within the Planning Area, the overall competitiveness of transit compared to driving throughout the region, the cost of fuel, and other factors, the degree to which General Plan Update policies and implementation measures will reduce emissions is currently unknown. Consequently, emissions from implementation of the proposed General Plan Update could still result in a net increase of GHG emissions that could exceed the local GHG emissions reduction to be in alignment with State and regional plans to reduce GHG emission. Therefore, implementation of the proposed General Plan Update on the environment and conflict with State GHG emission targets adopted for the purpose of reducing the emissions of GHGs. Therefore, this impact is **cumulatively considerable**.

Mitigation Measures

Mitigation Measure 4.5-1a: Implement Mitigation Measure 4.4-2a.

Mitigation Measure 4.5-1b: Implement Mitigation Measure 4.3-1.

Mitigation Measure 4.5-1c. The proposed General Plan Update should be amended as follows:

Implementation Measure

Area Sources

- The City shall utilize electric landscape maintenance equipment to the extent feasible on parks and public/quasi-public lands.
- ► The installation of wood-burning fireplaces or appliances in new development shall not be permitted.

Energy

- The City will pursue within existing and future City facilities and may partner with other public agencies and organizations to promote replacement of appliances and office equipment with energy-efficient models with a priority from highest to lowest in terms of typical GHG reductions, on: water heater, vending machine, copier, refrigerator, printer, dishwasher, water cooler, computer, and clothes washer.
- The City will pursue improvements to existing and future City facilities and may partner with other public agencies and organizations to implement comprehensive building efficiency improvements, inclusive of, but not limited to, implement lighting efficiency upgrades, improved building temperature controls, building air sealing, duct air sealing and duct replacement, upgrading and/or insulating water heaters, ensuring proper functioning and efficiency of heating and air conditioning systems, reducing heat loss through and around windows, installation of cool roofs, and implementing energy conservation education.
- The City will support education and outreach to promote rebates, incentives, and other programs (as they become available) which would promote reductions in greenhouse gas emissions, and use available information on rebates used by consumers to determine where to focus education and outreach, including programs designed to promote electric appliances and replace natural gas appliances, and programs related to lighting.
- The City will promote the U.S. Department of Housing and Urban Development Energy Efficient Mortgage (EEM) program and similar programs that assist buyers in purchasing homes meeting energy-efficiency criteria.
- The City will partner with other agencies and organizations to expand the City's urban forest to promote sequestration, but also with a focus on selection and placement that reduces the need for air conditioning and the urban heat island effect.

Land Use and Transportation

- The City will direct its own investments and review proposed development projects to reduce vehicular travel demand, promote non-vehicular travel, and facilitate local purchase and use of electric vehicles.
- The City will continue to direct its own investments and pursue outside funding for infrastructure and operational programs to promote ease and convenience of pedestrian, bicycle, and transit travel for daily trips.
- The City will integrate its land use and transportation planning and review and condition proposed projects to better situate residents in proximity to workplaces, goods and services, and recreational opportunities, making updates to implementing plans, such as the Capital Improvement Program, Bicycle Master Plan, Pedestrian Master Plan, Transportation Systems Management program, transportation impact fee program, and transit plans.
- The City will support applications for affordable housing funds from agencies that reward and incentivize good planning, such as infill housing and housing built close to jobs, transportation, and amenities.
- The City will partner with other agencies and proposed developments to expand bicycle parking and other facilities, pedestrian facilities and amenities, and electric vehicle charging stations, with a focus on daily destinations.
- The City will support a reduction of parking requirements for projects with a location, design, surrounding mix of uses, access to non-vehicular transportation facilities, and/or ongoing travel demand management programs that would reduce the need for vehicular trips.

Significance after Mitigation

In order to provide emissions reductions that would achieve the local GHG emissions efficiency target, estimated GHG emissions within the Planning Area would need to be reduced by up to 55 percent. Implementation of the above described mitigation would substantially reduce GHG emissions within the Planning Area with buildout of the General Plan.

Consistency with proposed General Plan Update Policy AQ1.3 would require projects that could have a potentially significant effect to incorporate applicable PCAPCD standard construction mitigation measures. Among other actions, the PCAPCD-identified standard construction measures include actions that would reduce exhaust emissions associated with equipment and vehicle use during construction activities, thereby also reducing construction-related GHG emissions.

Implementation of Mitigation Measure 4.5-1a (Mitigation Measure 4.4-2a), as detailed in Impact 4.4-2 of Section 4.4, "Air Quality," would require projects that could have a potentially significant effect to incorporate applicable PCAPCD standard operational mitigation measures. Among other actions, the PCAPCD-identified standard operational measures include actions that would reduce area, energy, and mobile source emissions associated with building operations and transportation activities within the Planning Area, thereby also reducing operational GHG emissions. Implementation of Mitigation Measure 4.5-1b (Mitigation Measure 4.3-1) would substantially reduce VMT directly and indirectly, and mobile sources are the largest part of the City's existing inventory and future forecast GHG emissions. Implementation of Mitigation Measure 4.5-1c would require implementation of all

feasible measures and design features to minimize GHG emissions associated with area, energy, land use and transportation, water and waste emissions sources.

Implementation of these mitigations measures during future improvements associated with buildout of the General Plan, for both existing and new development, would result in a reduction of GHG emissions compared to the estimated emissions shown in Table 4.5-5. However, the precise effectiveness of these measures cannot be determined, and GHG emissions could still exceed the significance threshold. As detailed in Section 4.5.4.2, "Thresholds of Significance," this threshold was identified as the local GHG efficiency rate that would be required in the year 2035, the planning horizon for the General Plan, to align with statewide emissions reduction legislation and applicable executive orders for the target year and ensure that the City meets its share of the State's GHG reduction mandates, considering the types of projects to be implemented under the General Plan and the specific location of the Planning Area. Therefore, implementation of the proposed General Plan Update could generate GHG emissions, either directly or indirectly, that may conflict with applicable State plans, policies, and regulations adopted for the purpose of reducing the emissions of GHGs and could contribute substantially to the cumulatively considerable impact climate change on the environment. There are no additional feasible mitigation measures available to address this impact. This impact is **significant and unavoidable**.

along a high quality transit corridor²¹ will have a less-than-significant impact on VMT. This presumption would not apply, however, if project-specific or location-specific information indicates that the project will still generate significant levels of VMT. For example, the presumption might not be appropriate if the project:

- Has a Floor Area Ratio (FAR) of less than 0.75
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking)
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization)
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units

A project or plan near transit which replaces affordable residential units²² with a smaller number of moderate- or high-income residential units may increase overall VMT because the increase in VMT of displaced residents could overwhelm the improvements in travel efficiency enjoyed by new residents.²³

If any of these exceptions to the presumption might apply, the lead agency should conduct a detailed VMT analysis to determine whether the project would exceed VMT thresholds (see below).

Presumption of Less Than Significant Impact for Affordable Residential Development

Adding affordable housing to infill locations generally improves jobs-housing match, in turn shortening commutes and reducing VMT.^{24,25} Further, "... low-wage workers in particular would be more likely to choose a residential location close to their workplace, if one is available."²⁶ In areas where existing jobs-housing match is closer to optimal, low income housing nevertheless generates less VMT than market-

²¹ Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

²² Including naturally-occurring affordable residential units.

²³ Chapple et al. (2017) *Developing a New Methodology for Analyzing Potential Displacement,* Chapter 4, pp. 159-160, available at <u>https://www.arb.ca.gov/research/apr/past/13-310.pdf</u>.

²⁴ Karner and Benner (2016) *The convergence of social equity and environmental sustainability: Jobshousing fit and commute distance* ("[P]olicies that advance a more equitable distribution of jobs and housing by linking the affordability of locally available housing with local wage levels are likely to be associated with reduced commuting distances").

²⁵ Karner and Benner (2015) *Low-wage jobs-housing fit: identifying locations of affordable housing shortages.*

²⁶ Karner and Benner (2015) *Low-wage jobs-housing fit: identifying locations of affordable housing shortages.*

rate housing.^{27,28} Therefore, a project consisting of a high percentage of affordable housing may be a basis for the lead agency to find a less-than-significant impact on VMT. Evidence supports a presumption of less than significant impact for a 100 percent affordable residential development (or the residential component of a mixed-use development) in infill locations. Lead agencies may develop their own presumption of less than significant impact for residential projects (or residential portions of mixed use projects) containing a particular amount of affordable housing, based on local circumstances and evidence. Furthermore, a project which includes any affordable residential units may factor the effect of the affordability on VMT into the assessment of VMT generated by those units.

2. Recommended Numeric Thresholds for Residential, Office, and Retail Projects

Recommended threshold for residential projects: A proposed project exceeding a level of 15 percent below existing VMT per capita may indicate a significant transportation impact. Existing VMT per capita may be measured as regional VMT per capita or as city VMT per capita. Proposed development referencing a threshold based on city VMT per capita (rather than regional VMT per capita) should not cumulatively exceed the number of units specified in the SCS for that city, and should be consistent with the SCS.

Residential development that would generate vehicle travel that is 15 or more percent below the existing residential VMT per capita, measured against the region or city, may indicate a less-than-significant transportation impact. In MPO areas, development measured against city VMT per capita (rather than regional VMT per capita) should not cumulatively exceed the population or number of units specified in the SCS for that city because greater-than-planned amounts of development in areas above the region-based threshold would undermine the VMT containment needed to achieve regional targets under SB 375.

For residential projects in unincorporated county areas, the local agency can compare a residential project's VMT to (1) the region's VMT per capita, or (2) the aggregate population-weighted VMT per capita of all cities in the region. In MPO areas, development in unincorporated areas measured against aggregate city VMT per capita (rather than regional VMT per capita) should not cumulatively exceed the population or number of units specified in the SCS for that city because greater-than-planned amounts of development in areas above the regional threshold would undermine achievement of regional targets under SB 375.

²⁷ Chapple et al. (2017) *Developing a New Methodology for Analyzing Potential Displacement*, available at <u>https://www.arb.ca.gov/research/apr/past/13-310.pdf</u>.

²⁸ CAPCOA (2010) *Quantifying Greenhouse Gas Mitigation Measures*, pp. 176-178, available at http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf.



2022 BUILDING ENERGY EFFICIENCY STANDARDS SUMMARY

Executive Summary

The California Energy Commission (CEC) is the state's primary energy policy and planning agency with a mission to lead the state to a 100 percent clean energy future. The CEC develops policy to reduce energy usage and costs, limit the environmental impacts of energy generation and use, and ensure a safe, resilient, and reliable supply of energy.

What Does the CEC Have to Do With the Building Code?

Homes and businesses use nearly 70 percent of California's electricity and are responsible for a guarter of California's greenhouse gas (GHG) emissions. As California's energy policy agency, the CEC was mandated by the Warren-Alguist Act to periodically update and adopt building standards to increase energy efficiency of buildings and reduce GHGs. Part 6 of Title 24 implemented this mandate so that every three years the CEC presents Building Energy Efficiency Standards (Energy Code) updates for new construction and renovations to existing buildings.

After the CEC adopts these standards, they are submitted to the California Building Standards Commission for approval and inclusion with other changes to the building code. The Energy Code is designed to be cost-effective so that implementation is affordable while helping California manage energy demand and advance the state's climate and clean air goals.

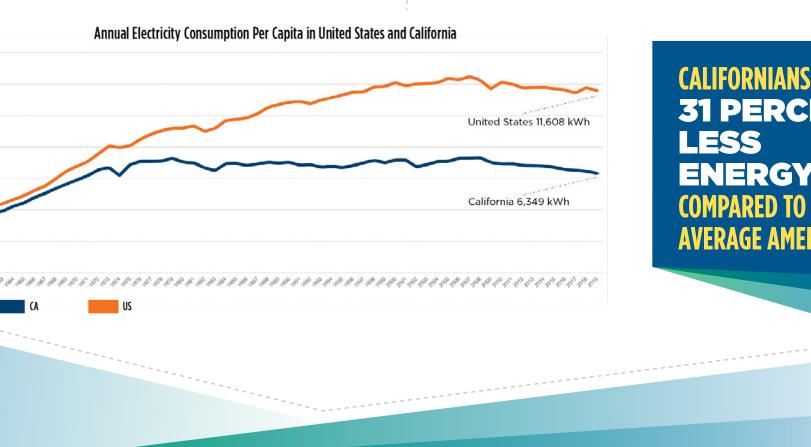
HOMES AND BUSINESSES USE **NEARLY 70 PERCENT OF CALIFORNIA'S ELECTRICITY AND ARE RESPONSIBLE FOR A QUARTER OF CALIFORNIA'S GREENHOUSE** GAS (GHG) EMISSIONS.

How Do Standards Affect Me?

The standards help everyone! As standards require upgrades such as better insulation and more effective climate control in buildings, the increases in energy efficiency reduce utility bills. This also improves comfort inside buildings. The standards increase the market value of properties by making them more affordable to operate. They reduce GHGs by using less energy from fossil fuel-burning power plants that emit harmful smogforming pollutants and climate-changing gases. Some of the

water-saving measures in the standards lead to more efficient appliances and building fixtures that buoy California's water supply and save energy by using and moving less water.

Thanks in part to California's efficiency standards, the state's per capita energy use has stayed nearly flat since the early 1970s, even as the state's economy grew by 80 percent.



CALIFORNIANS USE 31 PERCENT LESS **ENERGY COMPARED TO THE AVERAGE AMERICAN**

WHAT'S NEW For 2022?



- Encouraging electric heat pump technology and use
- •••• Establishing electric-ready requirements when natural gas is installed
- Expanding solar photovoltaic (PV) system and battery storage standards
- Strengthening ventilation standards
 to improve indoor air quality









2022 Energy Code: Better for the Environment and You

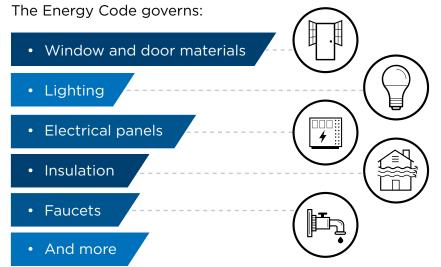
Heat pumps use less energy and produce fewer emissions than traditional HVACs and water heaters. Electric-ready building sets up owners to use cleaner electric heating, cooking, and electric vehicle (EV) charging when they're ready to invest in those technologies. Using battery storage allows onsite energy to be available when needed and reduces the grid's reliance on fossil fuel power plants. Better ventilation can reduce illness from poor air quality and reduce disease transmission.





The Energy Code in Action

Since 1978, energy standards have supported California's long-term strategy to meet energy demand, conserve resources, and act as an environmental steward. All building standards under consideration must be costeffective and technically feasible to be adopted.



40 YEARS OF ENERGY EFFICIENCY **STANDARDS FOR BUILDINGS AND APPLIANCES HAVE SAVED CALIFORNIANS MORE THAN \$100 BILLION**

It's an Area We Call the "Climate Zone"

California is so vast and varied in landscape and weather that there is no one building design that can be the most energy-efficient everywhere. To accommodate those differences, the state is divided into 16 climate zones. Each climate zone represents a geographic area based on such factors as temperature, weather, and typical energy use. Each zone has an assigned energy budget, based on the maximum amount of energy that a building (or portion of a building) can be designed to consume per year. Minimum efficiency requirements are created from that energy budget.



These requirements vary between home and business buildings, as well as among climate zones in which they are implemented. The Energy Code applies to new construction and renovations to existing buildings.

The Energy Code has not only revolutionized building construction in California, but influenced efficiency goals and practices in countries around the globe. Every update helps the state meet its energy and environmental goals while directly benefiting building owners and occupants through more comfortable buildings that save money on energy costs and, not incidentally, increase market value.

With climate change impacts accelerating, there is an even greater need for homes that are comfortable, efficient, and resilient. Each updated code guides the construction of buildings to keep energy use down, better withstand extreme weather, and reduce climate and air pollution.

The Energy-Efficient Revolution Continues

The CEC was born of the energy crisis that affected the United States in the early 1970s. To address energy demand that outstripped supply, California created the CEC to design energy policy that reduced use through better efficiencies. The core focus of the building standards has been efficiency, but the 2019 Energy Code ventured into onsite generation by requiring solar PV on new homes, providing significant GHG savings. The 2022 update builds off this progress with expanded solar standards and the move to onsite energy storage that will help Californians save on utility bills while bolstering the grid.

UPDATES FOR 7077

New and more efficient technologies are being developed all the time, with many supported by funding from state programs that bring these energy innovations to markets and consumers. The 2022 Energy Code builds on California's technology innovations, encouraging inclusion of market-ready electric products in new construction, such as heat pumps for climate control and water heating.

The update also requires all new homes be electric-ready. That means buildings with gas stoves have the electrical panels and wiring to support a switch to electric stoves. Further advancements and cost reductions will continue to expand electric options for heating, cooking, laundering, and EV charging to meet all Californians' needs. These are crucial steps in the state's progress toward 100 percent clean electricity and carbon neutrality by midcentury, or earlier.

Proposed Standards

The 2022 Energy Code update revises energy efficiency standards for newly constructed buildings, as well as additions and alterations to existing buildings. The CEC engaged in a lengthy public process leading up to adoption of the proposed 2022 standards.

2022 Energy Code Benefits



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Increases on-site renewable energy generation from solar.

Increases electric load flexibility to support grid reliability.

Reduces emissions from newly constructed buildings.

Reduces air pollution for improved public health.

Encourages adoption **1** of environmentally beneficial efficient electric technologies.

How Does the 2022 Energy **Code Affect Homes?**

- Establishes energy

budgets based on efficient heat pumps for space or water heating to encourage builders to install heat pumps over gas-fueled HVAC units.

 Requires homes to be electric-ready, with dedicated 240-volt outlets and space (with plumbing for water heaters) so electric appliances can eventually replace installed gas appliances.

 Increases minimum kitchen ventilation requirements so that fans over cooktops have higher airflow or capture efficiency to better exhaust pollution from gas cooking and improve indoor air quality.

 Allows exceptions to existing solar PV standards when roof area is not available (such as for smaller homes).

How Does It Affect Businesses?

- Establishes combined solar PV and battery standards for select businesses. Systems are sized to maximize onsite use of solar energy and avoid electricity demand during times when the grid must use gas-powered plants.
- Establishes new efficiency standards for commercial greenhouses (primarily cannabis growing).
- Improves efficiency standards for building envelope, various internal systems, and grid integration equipment, such as demand-responsive controls to buoy grid stability.

OVER 30 YEARS, THE 2022 ENERGY CODE **IS ESTIMATED TO PROVIDE \$1.5 BILLION IN CONSUMER BENEFITS** AND REDUCE 10 MILLION METRIC TONS OF GHGS, EQUIVALENT **TO TAKING NEARLY 2.2** MILLION CARS OFF THE ROAD FOR A YEAR.

Breaking Down the Updates

Heat Pumps: The New Standard

Heat pumps are an electric technology for water and space heating that increases efficiency, reduces GHGs, and enables load flexibility. Current California market share is less than 6 percent in new home construction.

Standards include:

- Single-family homes heat pump water or space standard.
- Multifamily homes such as apartment buildings - heat pump space heating standard.
- Businesses heat pumps standard for schools, offices, banks, libraries, retail, grocery.



New Homes to Be **Electric-Readv**

The standards require single-family homes to be electric-ready, including;

- Electrical circuits for space heating, water heating, cooking/ovens, and clothes dryers.
- Electrical panel, branch circuits, and transfer switch for battery storage.
- Dedicated circuits and panels to easily convert from natural gas to electric in the future.

Solar and Storage Use Expanded

The 2022 Energy Code extends solar and introduces battery storage standards to the following building types:

- High-rise multifamily (apartments and condos)
- Hotel-motel
- Tenant space
- Office, medical office. and clinics
- Retail and grocery stores
- Restaurants
- Schools
- Civic (theaters, auditoriums, and convention centers)



The Challenge of **Existing Buildings**

In addition to new buildings, the standards apply to substantial upgrades to existing homes and businesses.



At least 50 percent of single-family homes and nearly 60 percent of California's apartment complexes (about 14 million total residences) were built before the state's first energy standards.

Updating older buildings is critical to achieving the state's climate and clean energy goals.

California is already an international leader in energy efficiency and clean energy. However, after each update, many cities and counties choose to adopt standards that exceed the state minimum. The California Green Building Standards ("CALGreen" or Part 11 of Title 24) include voluntary reach standards, which offer model building code language for local governments that wish to go beyond the minimum statewide requirements.

What's Next?

In developing the standards over the past two years, the CEC met with more than 50 industry stakeholder groups, and 43 public workshops were held.

Under the rulemaking, the standards are vetted over a 45- to 60-day period before they go to the CEC for adoption. Then they are submitted to the California Building Standards Commission for approval as one part of the whole building code. Builders, contractors, and other stakeholders have one year until implementation to gear up for the change.

Effective Date

Communities Ahead of the Curve

Reach standards are an important tool for jurisdictions to meet their own climate goals. It allows them to decide on standards that meet their needs and interests, so long as they also meet or exceed state code requirements.

Historically, such local ordinances have served as a bellwether for statewide standards. They provide a place to test market readiness for new technologies and regulations, drive innovation of new technologies and efficiencies, and bring down the cost of efficient building technologies by creating an installed user base that encourages scale manufacturing.

2022 Energy Code Update Timeline

California Energy Commission Adoption California Building Standards Commission Approval Hearing

August 2021 December 2021 January 1, 2023

For Further Reading

- The Rulemaking Process: <u>bit.ly/3fPO2H8</u>
- 2019 Building Energy Efficiency Standards Frequently Asked Questions: <u>bit.ly/3fJHOs8</u>
- 2019 California Energy Efficiency Action Plan: (overall webpage) <u>bit.ly/3s4fYMc</u>
- California Building Decarbonization Assessment: <u>bit.ly/3iwpuEM</u>



Governor Gavin Newsom

Chair David Hochschild

Executive Director Drew Bohan **Commissioners** Karen Douglas, J.D. Siva Gunda J. Andrew McAllister, Ph.D. Patricia Monahan August 2021

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