The Reserve
5820 Rocklin Road
Loomis, CA 95650

Inquiry Number: 8070886.4
August 06, 2025

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

08/06/25

Site Name:

The Reserve
5820 Rocklin Road
Loomis, CA 95650
EDR Inquiry # 8070886.4

Client Name:

Youngdahl Consulting Group
1234 Glenhaven Court
El Dorado Hills, CA 95762
Contact: Nancy M Malaret

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

Search Results:

P.O.# NA
Project: E22325.002

Coordinates:

Latitude:	38.786442 38° 47' 11" North
Longitude:	-121.19491 -121° 11' 42" West
UTM Zone:	Zone 10 North
UTM X Meters:	656780.33
UTM Y Meters:	4294625.59
Elevation:	367.40' above sea level

Maps Provided:

2021	1944
2018	1893
2015	1892
2012	1891
1981	
1967	
1954	
1947	

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Topo Sheet Key

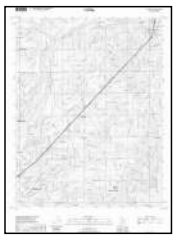
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2021 Source Sheets



Rocklin
2021
7.5-minute, 24000

2018 Source Sheets



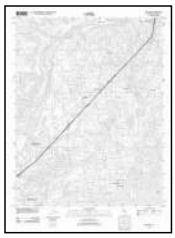
Rocklin
2018
7.5-minute, 24000

2015 Source Sheets



Rocklin
2015
7.5-minute, 24000

2012 Source Sheets



Rocklin
2012
7.5-minute, 24000

Topo Sheet Key

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

1981 Source Sheets



Rocklin
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1967 Source Sheets



Rocklin
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1954 Source Sheets



Rocklin
1954
7.5-minute, 24000
Aerial Photo Revised 1952

1947 Source Sheets



AUBURN
1947
15-minute, 62500

Topo Sheet Key

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

1944 Source Sheets



Auburn
1944
15-minute, 62500

1893 Source Sheets



Sacramento
1893
30-minute, 125000

1892 Source Sheets



Sacramento
1892
30-minute, 125000

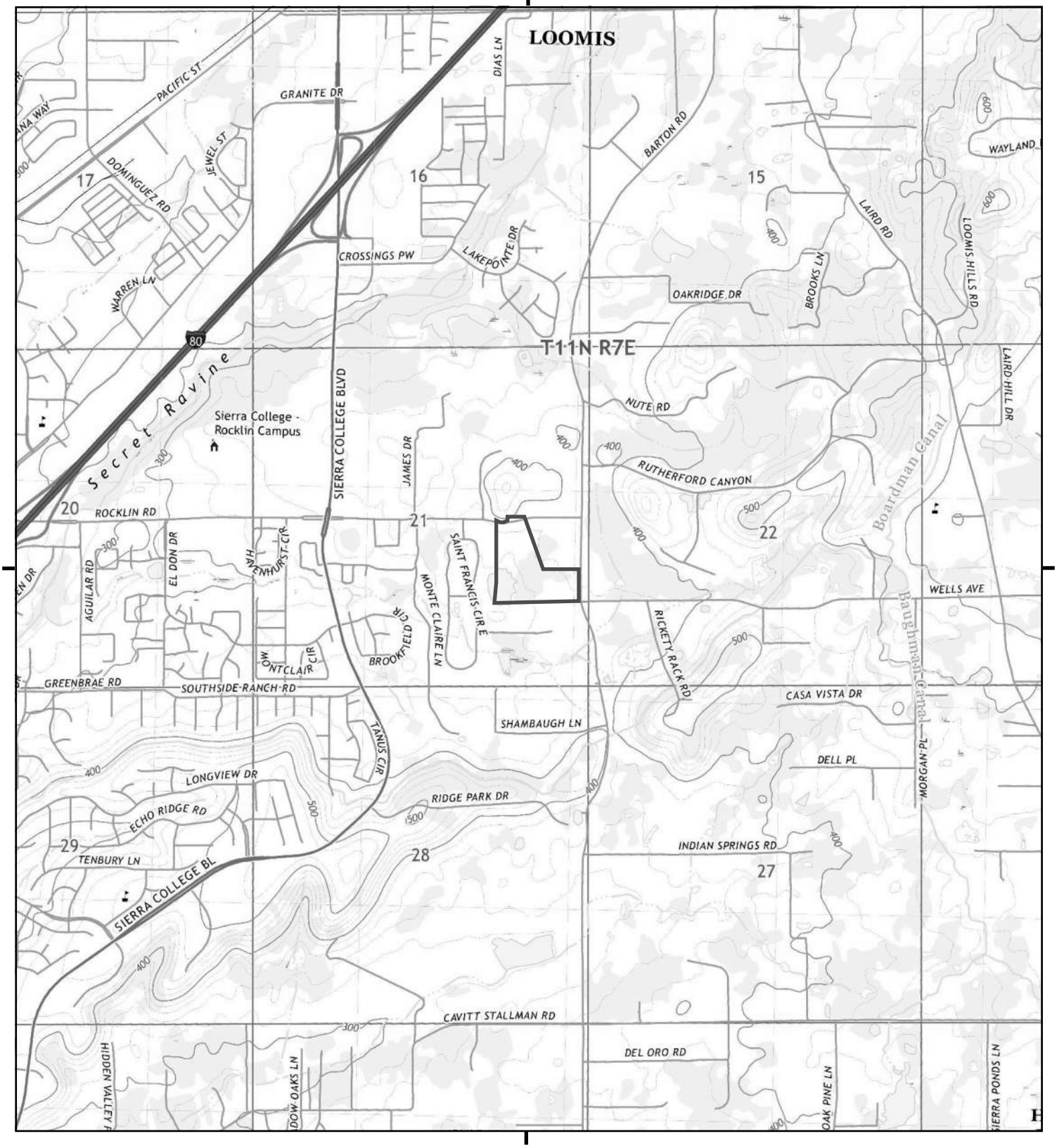
1891 Source Sheets



Sacramento
1891
30-minute, 125000

Historical Topo Map

2021



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

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NW N NE
W E
SW S SE

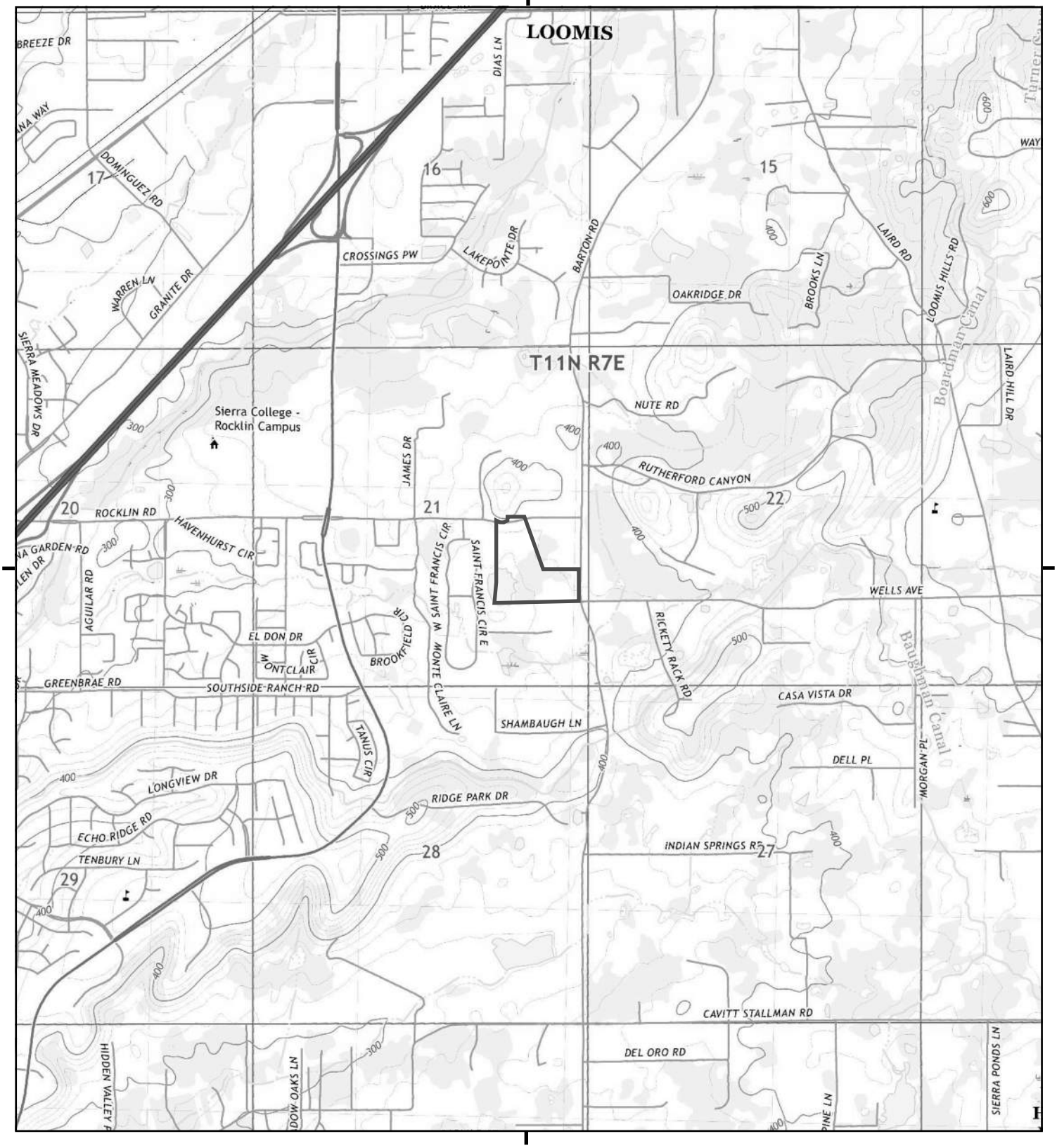
TP, Rocklin, 2021, 7.5-minute

SITE NAME: The Reserve
ADDRESS: 5820 Rocklin Road
Loomis, CA 95650
CLIENT: Youngdahl Consulting Group

N

Historical Topo Map

2018



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

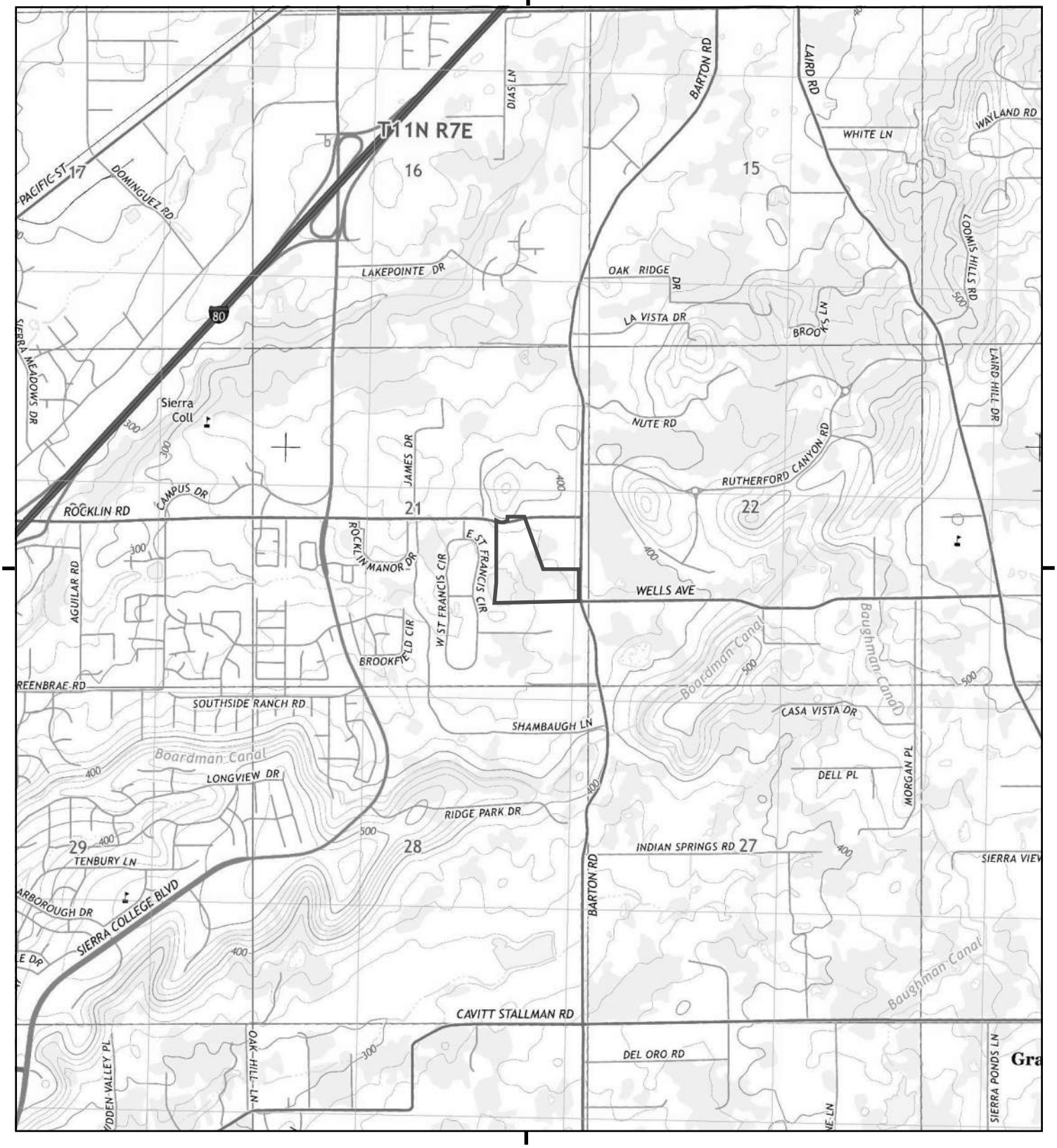
TP, Rocklin, 2018, 7.5-minute

SITE NAME: The Reserve
ADDRESS: 5820 Rocklin Road
Loomis, CA 95650
CLIENT: Youngdahl Consulting Group

N

Historical Topo Map

2015



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

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W E
SW S SE

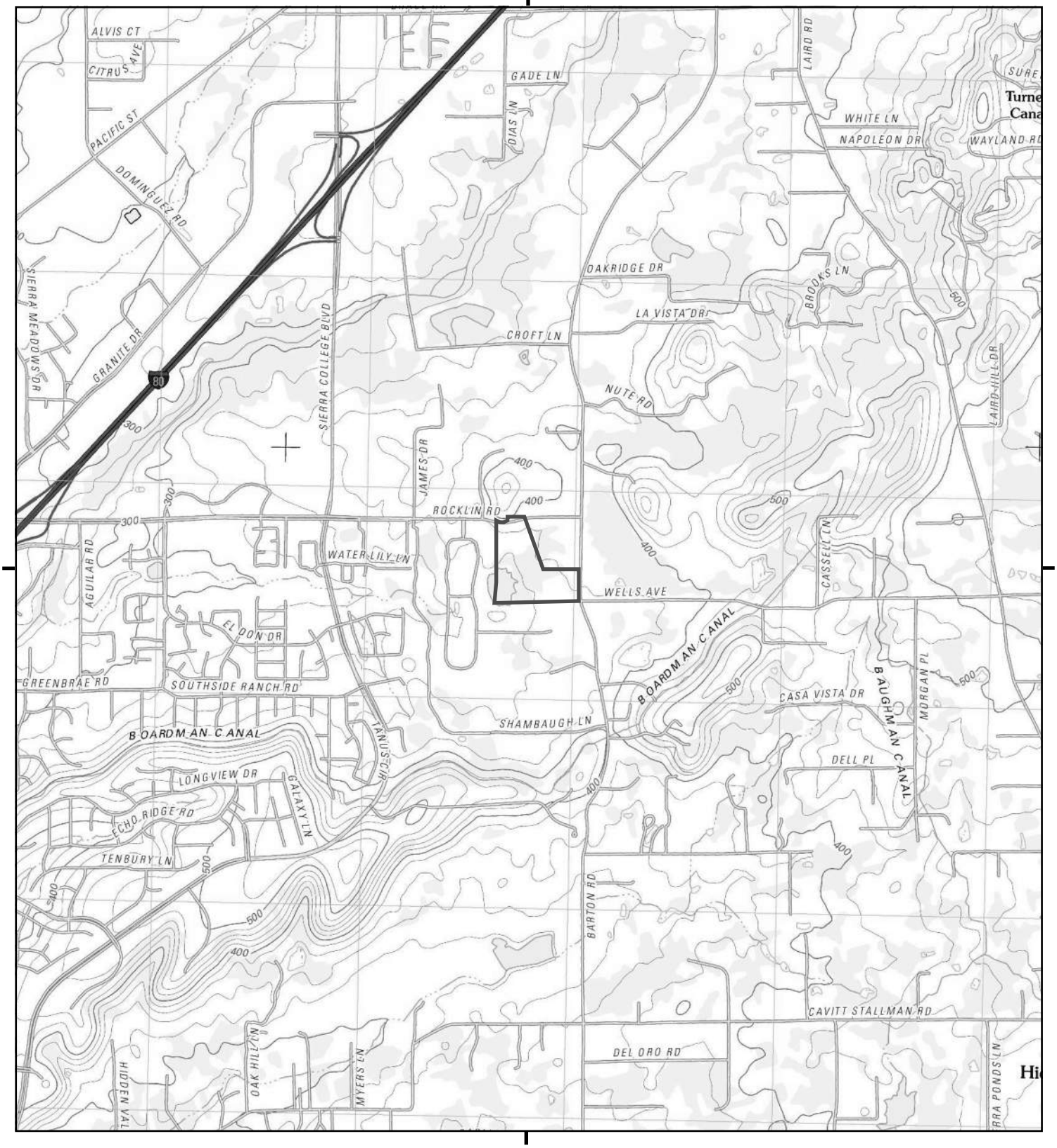
TP, Rocklin, 2015, 7.5-minute

SITE NAME: The Reserve
ADDRESS: 5820 Rocklin Road
Loomis, CA 95650
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N

Historical Topo Map

2012



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

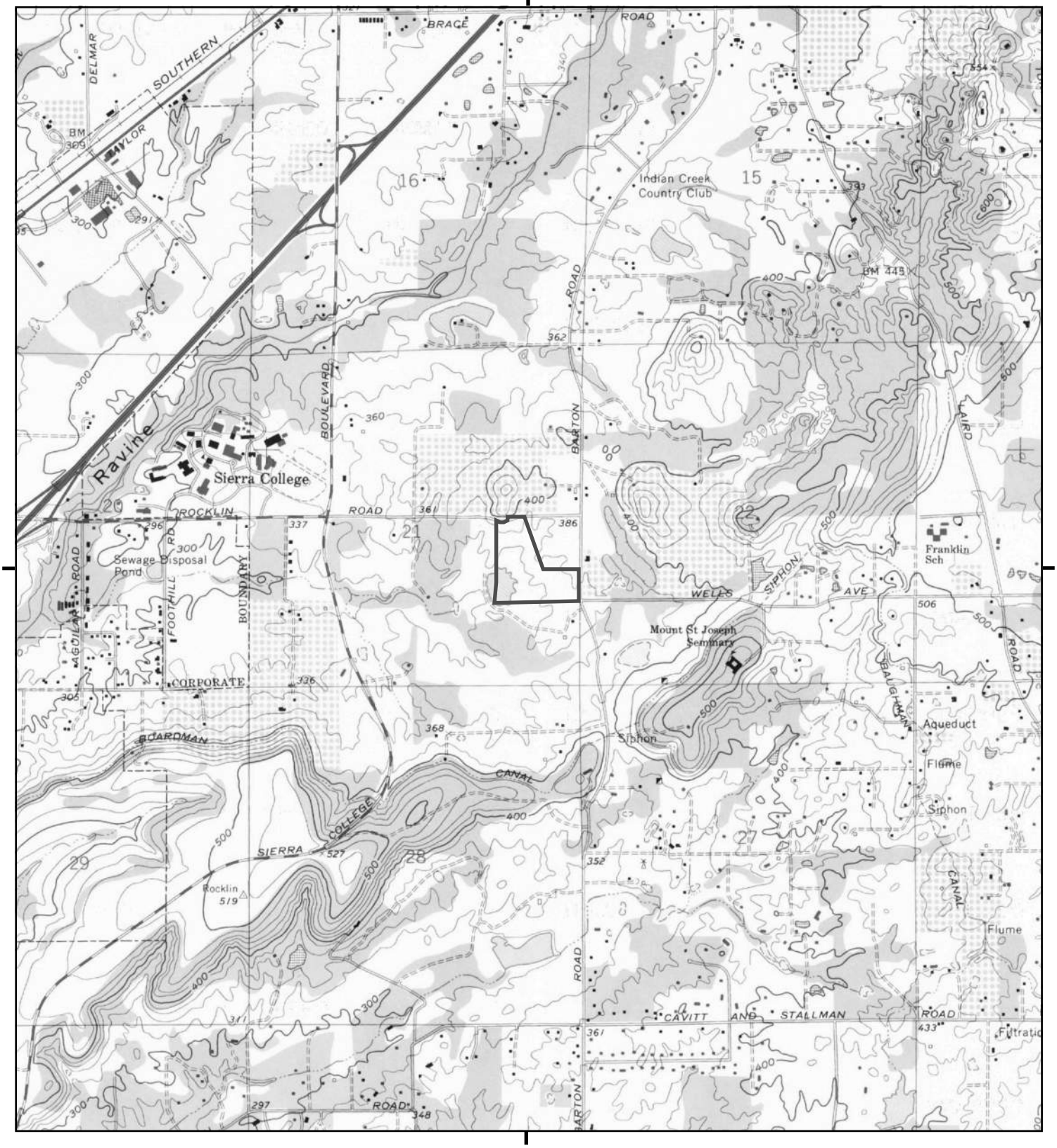
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Rocklin, 2012, 7.5-minute

SITE NAME: The Reserve
ADDRESS: 5820 Rocklin Road
Loomis, CA 95650
CLIENT: Youngdahl Consulting Group

N



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

0 Miles 0.25 0.5 1 1.5

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W E
SW S SE

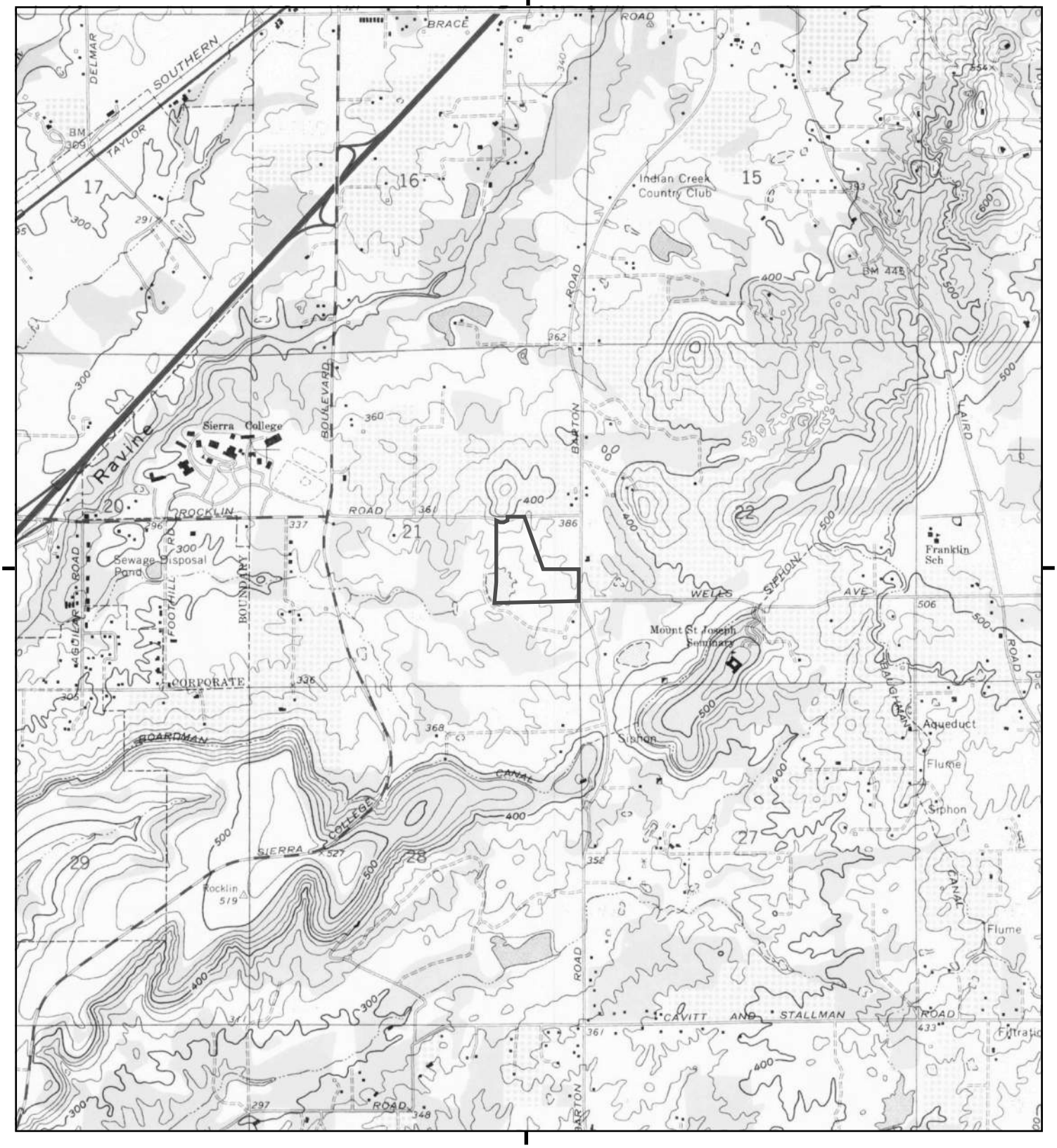
TP, Rocklin, 1981, 7.5-minute

SITE NAME: The Reserve
ADDRESS: 5820 Rocklin Road
Loomis, CA 95650
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N

Historical Topo Map

1967



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

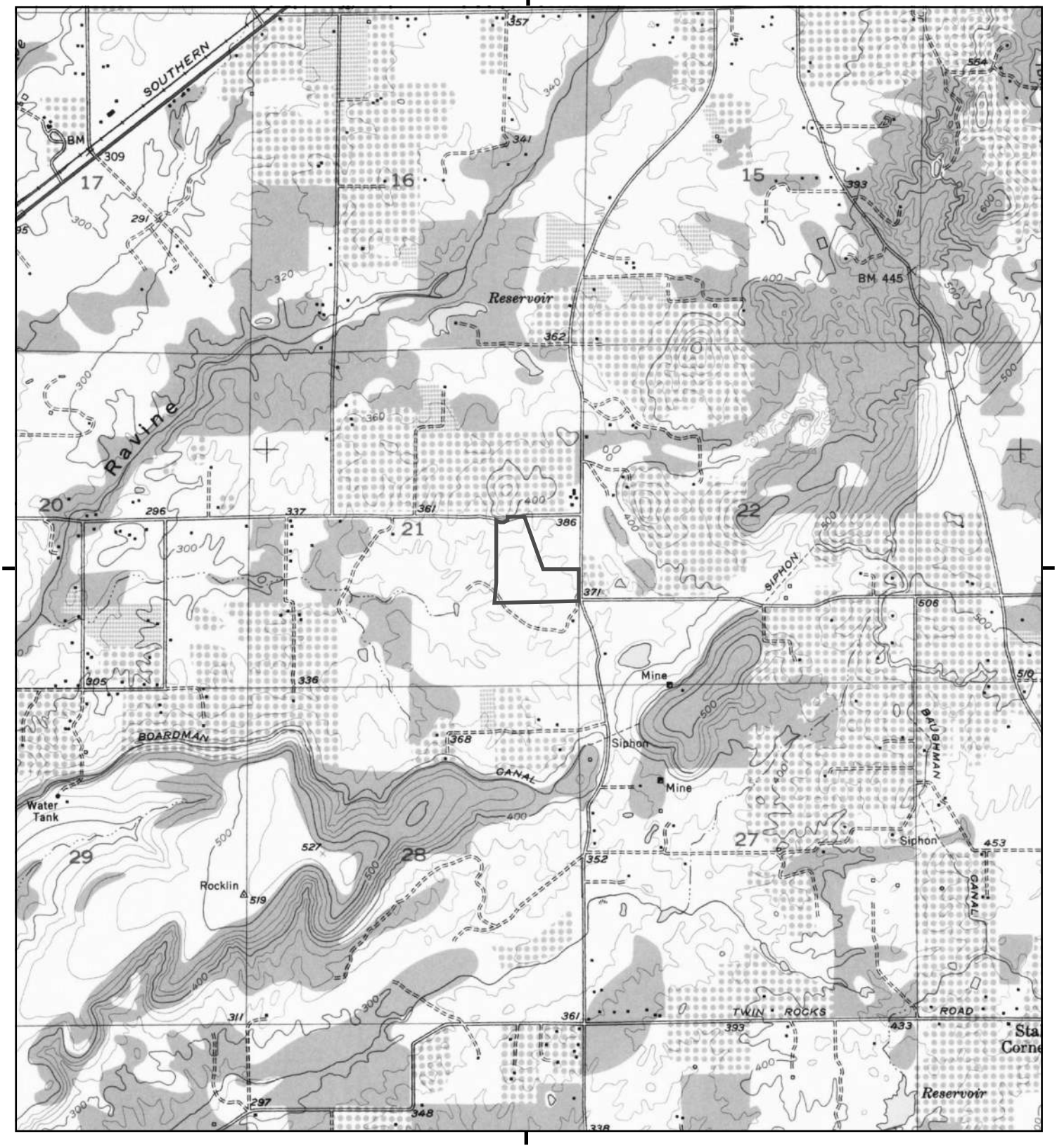
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Rocklin, 1967, 7.5-minute

SITE NAME: The Reserve
ADDRESS: 5820 Rocklin Road
Loomis, CA 95650
CLIENT: Youngdahl Consulting Group

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

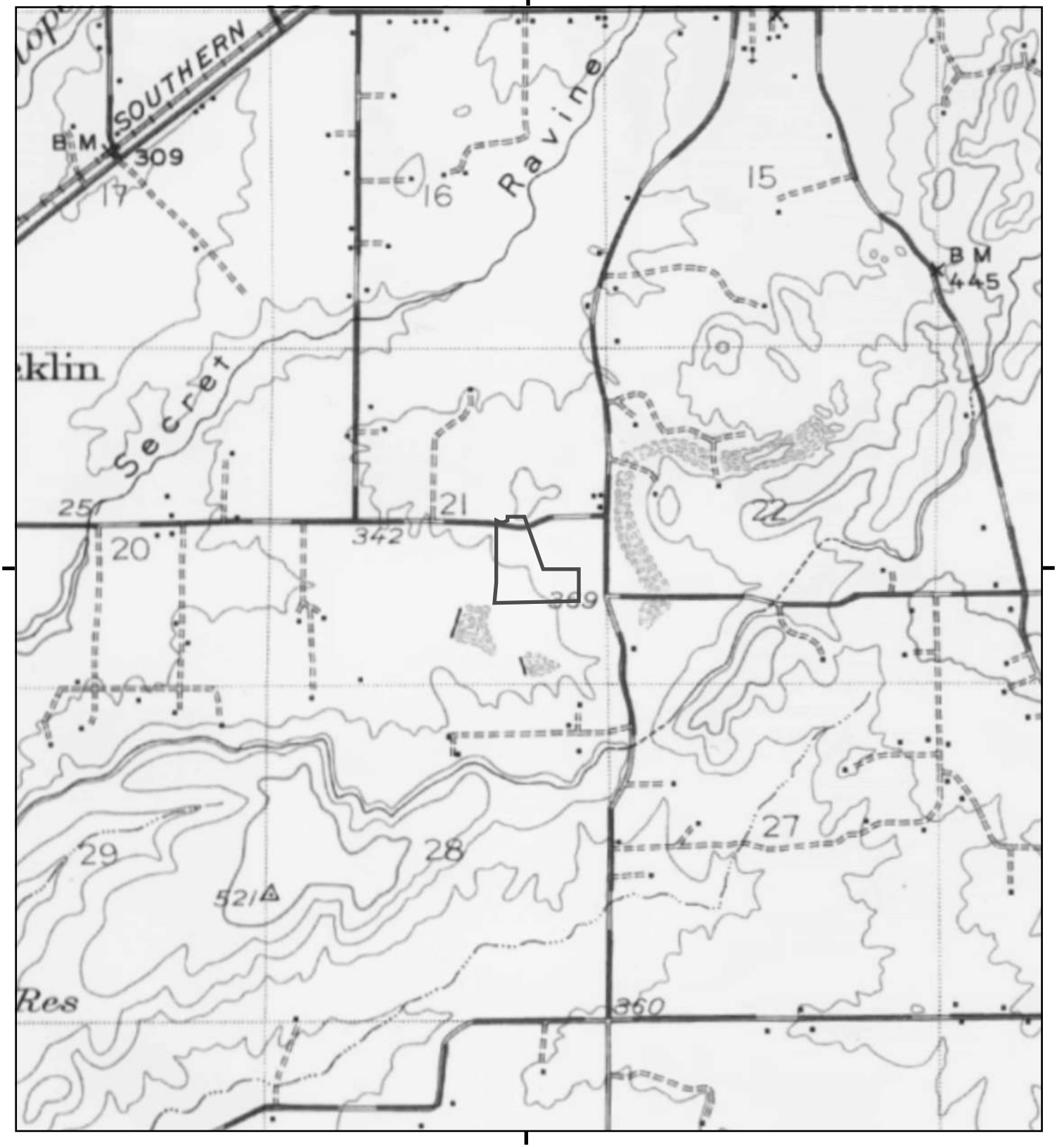
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Rocklin, 1954, 7.5-minute

SITE NAME: The Reserve
ADDRESS: 5820 Rocklin Road
Loomis, CA 95650
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This report includes information from the following map sheet(s).

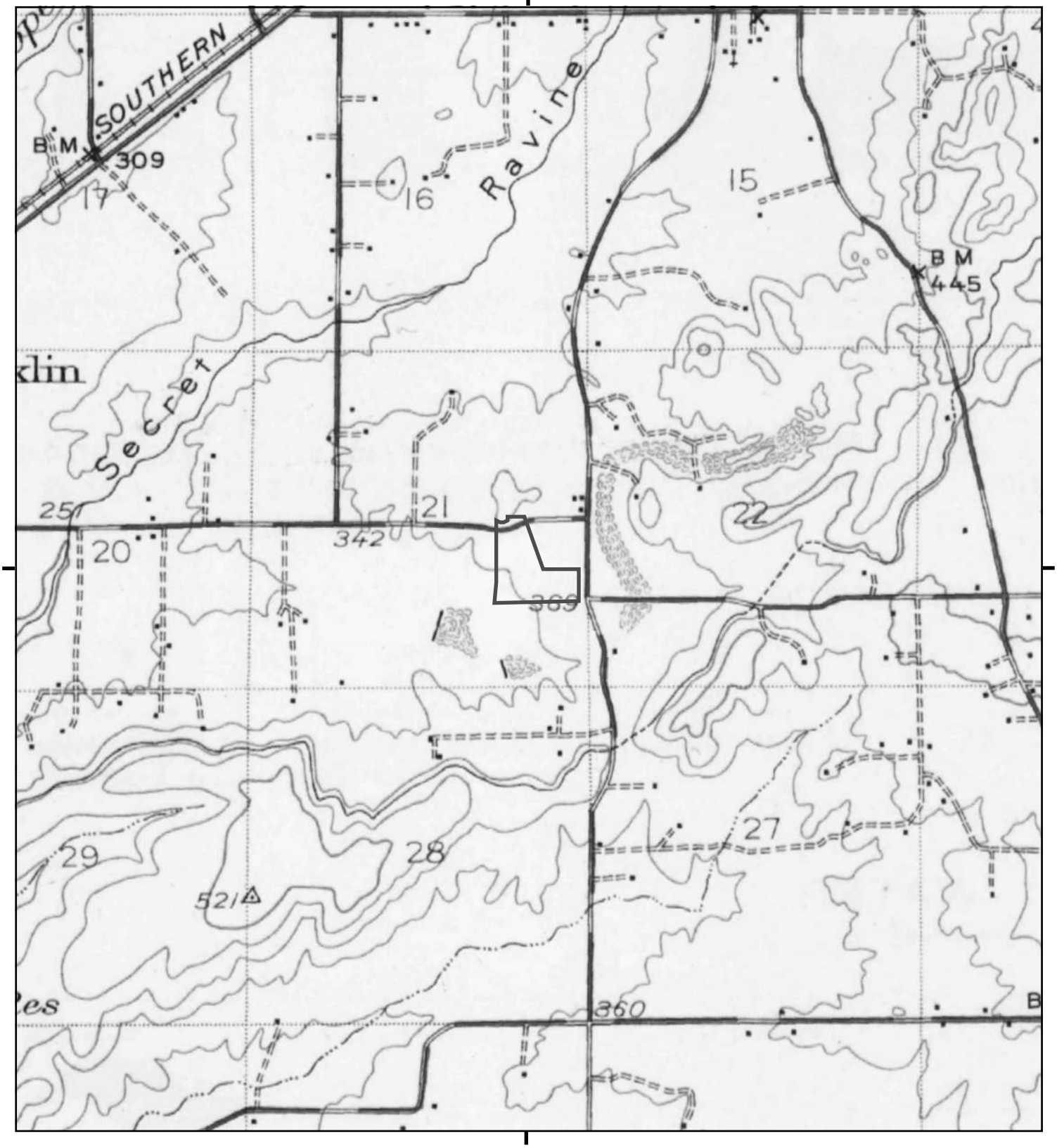
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, AUBURN, 1947, 15-minute

SITE NAME: The Reserve
ADDRESS: 5820 Rocklin Road
Loomis, CA 95650
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This report includes information from the following map sheet(s).

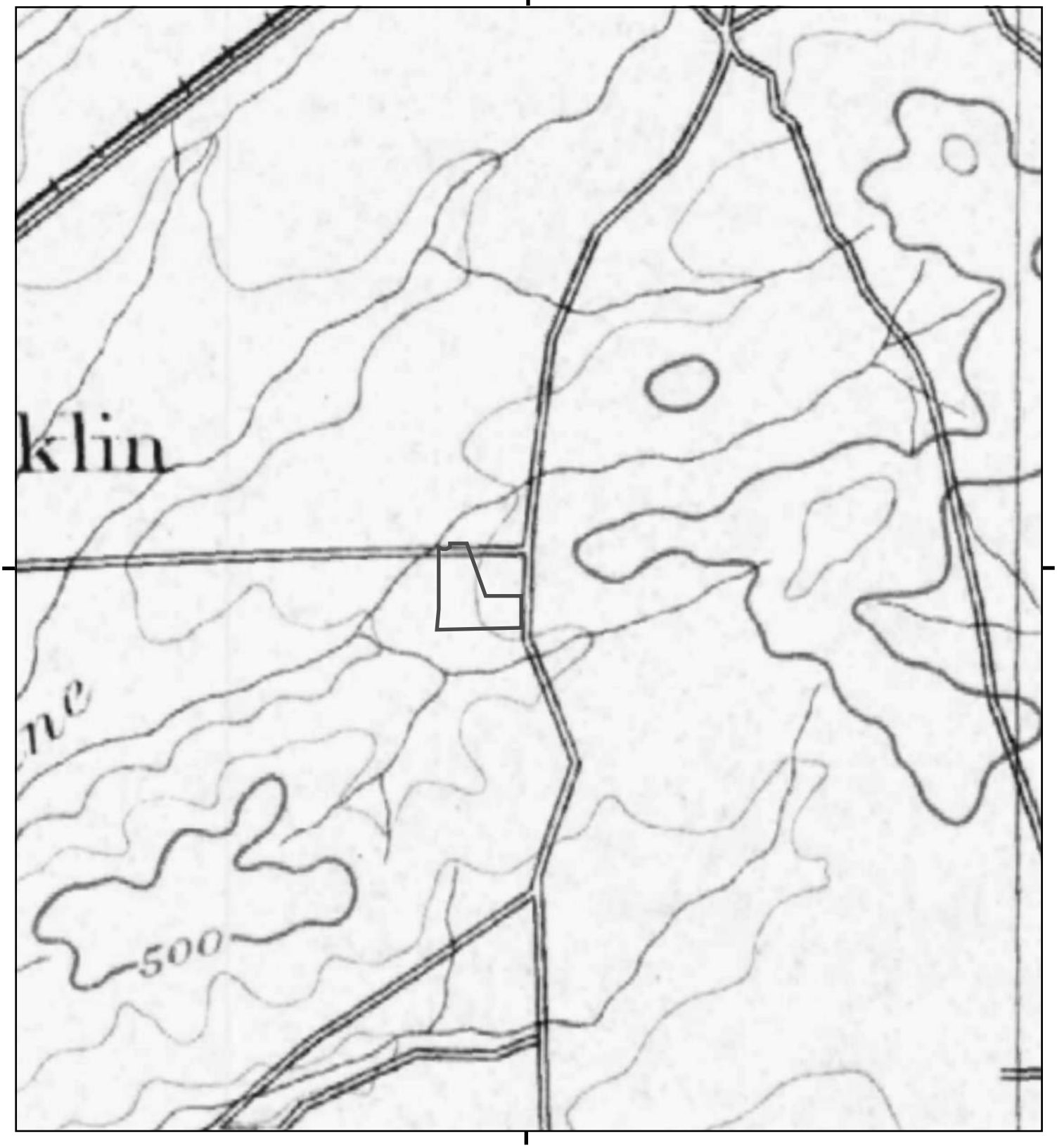
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Auburn, 1944, 15-minute

SITE NAME: The Reserve
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Loomis, CA 95650
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This report includes information from the following map sheet(s).

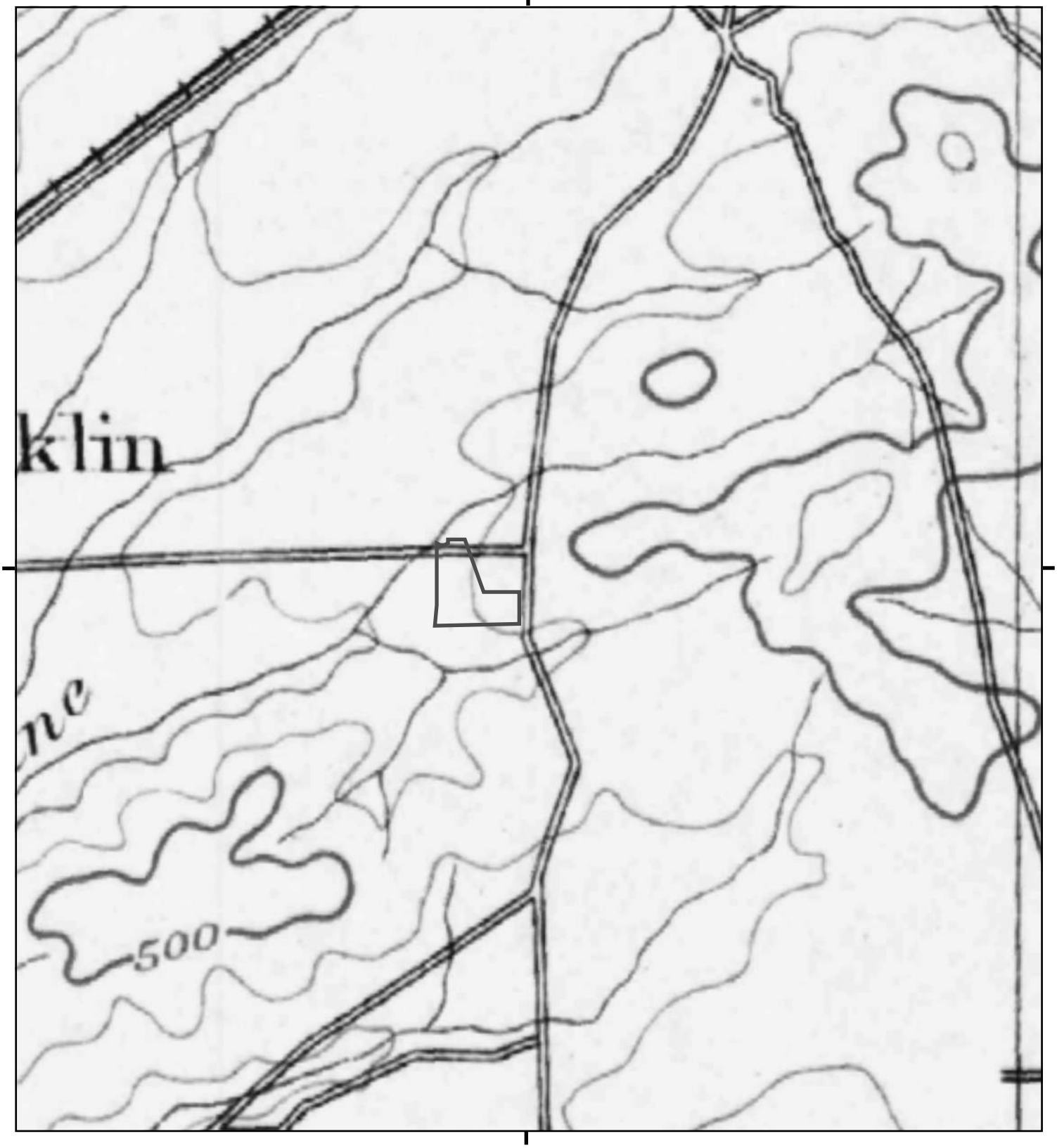
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Sacramento, 1893, 30-minute

SITE NAME: The Reserve
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CLIENT: Youngdahl Consulting Group

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

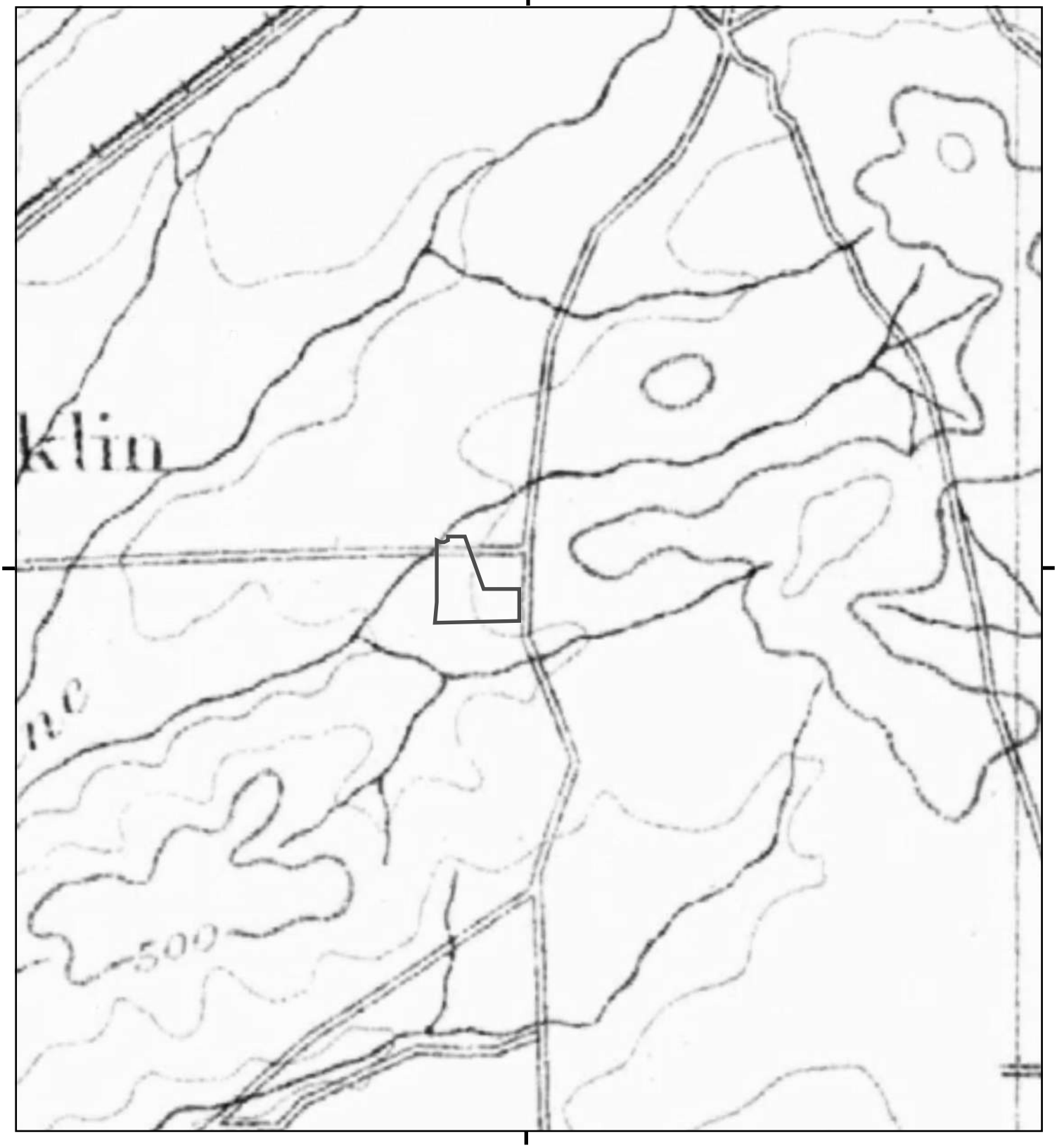
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Sacramento, 1892, 30-minute

SITE NAME: The Reserve
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Loomis, CA 95650
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This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Sacramento, 1891, 30-minute

SITE NAME: The Reserve
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Loomis, CA 95650
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N

The Reserve
5820 Rocklin Road
Loomis, CA 95650

Inquiry Number: 8070886.5
August 11, 2025

The EDR-City Directory Image Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

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

Year	*Target Street*	*Cross Street*	*Source*
2022	☑	☑	EDR Digital Archive
2017	☑	☑	Cole Information
2014	☑	☑	Cole Information
2010	☑	☑	Cole Information
2005	☑	☑	Cole Information
2000	☑	☑	Cole Information
1995	☑	☑	Cole Information
1992	☑	☑	Cole Information
1990	☑	☑	Haines Criss-Cross Directory
1986	☑	☑	Haines Criss-Cross Directory
1981	☑	☑	Haines Criss-Cross Directory
1977	☑	☑	Haines Criss-Cross Directory
1971	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

5820 Rocklin Road
Loomis, CA 95650

Year	*CD Image*	*Source*

BARTON RD

1990	pg A17	Haines Criss-Cross Directory
1986	pg A19	Haines Criss-Cross Directory
1981	pg A21	Haines Criss-Cross Directory
1981	pg A22	Haines Criss-Cross Directory
1977	pg A24	Haines Criss-Cross Directory
1971	pg A26	Haines Criss-Cross Directory

ROCKLIN RD

2022	pg A2	EDR Digital Archive
2017	pg A4	Cole Information
2014	pg A6	Cole Information
2010	pg A8	Cole Information
2005	pg A10	Cole Information
2000	pg A12	Cole Information
1995	pg A14	Cole Information
1992	pg A16	Cole Information

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
BARTON RD			
2022	pg. A1	EDR Digital Archive	
2017	pg. A3	Cole Information	
2014	pg. A5	Cole Information	
2010	pg. A7	Cole Information	
2005	pg. A9	Cole Information	
2000	pg. A11	Cole Information	
1995	pg. A13	Cole Information	
1992	pg. A15	Cole Information	
ROCKLIN RD			
1990	pg. A18	Haines Criss-Cross Directory	
1986	pg. A20	Haines Criss-Cross Directory	
1981	pg. A23	Haines Criss-Cross Directory	
1977	pg. A25	Haines Criss-Cross Directory	
1971	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

BARTON RD 2022

5200	TERRENCE DENMAN
	TERRENCE L DENMAN
	TERRENCE L. DENMAN, M.D., INC.
5277	LEILANI SOUZA
	ROBERT SOUZA
5280	LAURA CORNELL
5320	DARYL MARTIN
	SIERRA DESIGN GROUP
5335	JOSEPH COSCIA
5341	JEFFREY EDWAWALSH
5360	NICOLE WAMPLER
	RHONDA WAMPLER
	RICHARD WAMPLER
5400	CHERYL SNYDER
	EARLY HEAD START
	JAMES POTTER
	JEFFREY BORDELON
	PLACERSUSTAIN
	SHEPHARD-SIERRAS PRESBYTERIAN
	SHEPHERD OF THE SIERRA PRESBYTERIAN CHURCH
	TESSA LIZOTTE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROCKLIN RD 2022

5645 BILL GARRETT
SENIOR PASTOR
SIERRA CHRISTIAN CHURCH
SIERRA CHRISTIAN CHURCH-DISCIPLES OF CHRIST

Target Street	Cross Street	Source
-	✓	Cole Information

BARTON RD 2017

5200	DENMAN, TERRENCE L
5277	BURRAGE, ROBERT E
5280	CORNELL, LAURA G
5320	MARTIN, DARYL P
5360	WAMPLER, RICHARD K
5400	LOOMIS EARLY HEAD STARTCHILD CARE
	SHEPHERD OF THE SIERRA PRESBYTERIAN

Target Street	Cross Street	Source
✓	-	Cole Information

ROCKLIN RD 2017

5645 LOOMIS HEAD START
SIERRA CHRISTIAN CHURCHDISCIPLES OF

Target Street	Cross Street	Source
-	✓	Cole Information

BARTON RD 2014

5200	DENMAN, TERRENCE L
5277	OCCUPANT UNKNOWN,
5280	CORNELL, LAURA G
5320	OCCUPANT UNKNOWN,
5360	OCCUPANT UNKNOWN,
5400	LOOMIS EARLY HEAD STARTCHILD CARE
	SHEPHERD OF THE SIERRA PRESBYTERIAN

Target Street	Cross Street	Source
✓	-	Cole Information

ROCKLIN RD 2014

5780 BENNETT, CHAUNCEY M
5820 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

BARTON RD 2010

5200	DENMAN, TERRENCE L
5277	WEISS, LEON
5280	CORNELL, JAMES A
5320	OCCUPANT UNKNOWN, SIERRA DESIGN GROUP
5360	WAMPLER, RICHARD K
5400	EARLY HEADSTART SHEPHARDSIERRAS PRESBYTERIAN

Target Street	Cross Street	Source
✓	-	Cole Information

ROCKLIN RD 2010

5820 TATGE, DAVE

Target Street	Cross Street	Source
-	✓	Cole Information

BARTON RD 2005

5200	DENMAN, TERRENCE L
5277	BURRAGE, ROBERT
5280	CORNELL, JAMES A
5320	OCCUPANT UNKNOWN, SIERRA DESIGN GROUP
5360	OCCUPANT UNKNOWN,
5400	SHEPHERD OF THE SIERRA PRESBYTERIAN SHPHRD SRRS PRSBT CHURCH USA
5625	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

ROCKLIN RD 2005

5780	ANKENY, HENRY K
5820	PIERCE, FERRALL M

Target Street	Cross Street	Source
-	✓	Cole Information

BARTON RD 2000

5200 DENMAN, TERRENC L
5277 BRYANT ROGER POOLS
SCHIRO, TERI P
5400 BROWN PATTI B MFCC
BROWN, PATTI B
SHEPHERD OF THE SIERRAS PRESBYTERIAN CHURCH

Target Street	Cross Street	Source
✓	-	Cole Information

ROCKLIN RD 2000

5780 ANKENY, H
5820 PIERCE F M DDS

Target Street	Cross Street	Source
-	✓	Cole Information

BARTON RD 1995

5200	DENMAN, TERRENE L
5277	ROGER BRYANT POOLS
5400	SHEPHARD SIERRAS PRES
5425	NAKATA, CHARLES
5445	HAYASHIDA, SETSUKO

Target Street	Cross Street	Source
✓	-	Cole Information

ROCKLIN RD 1995

5820 PIERCE, F M

Target Street	Cross Street	Source
-	✓	Cole Information

BARTON RD 1992

5200	DENMAN, TERRENE L
5277	BRYANT ROGER POOLS
	BRYANT, ROGER
5400	SHEPHERD PRESBY CH
5425	NAKATA, CHARLES
5445	HAYASHIDA, SETSUKO

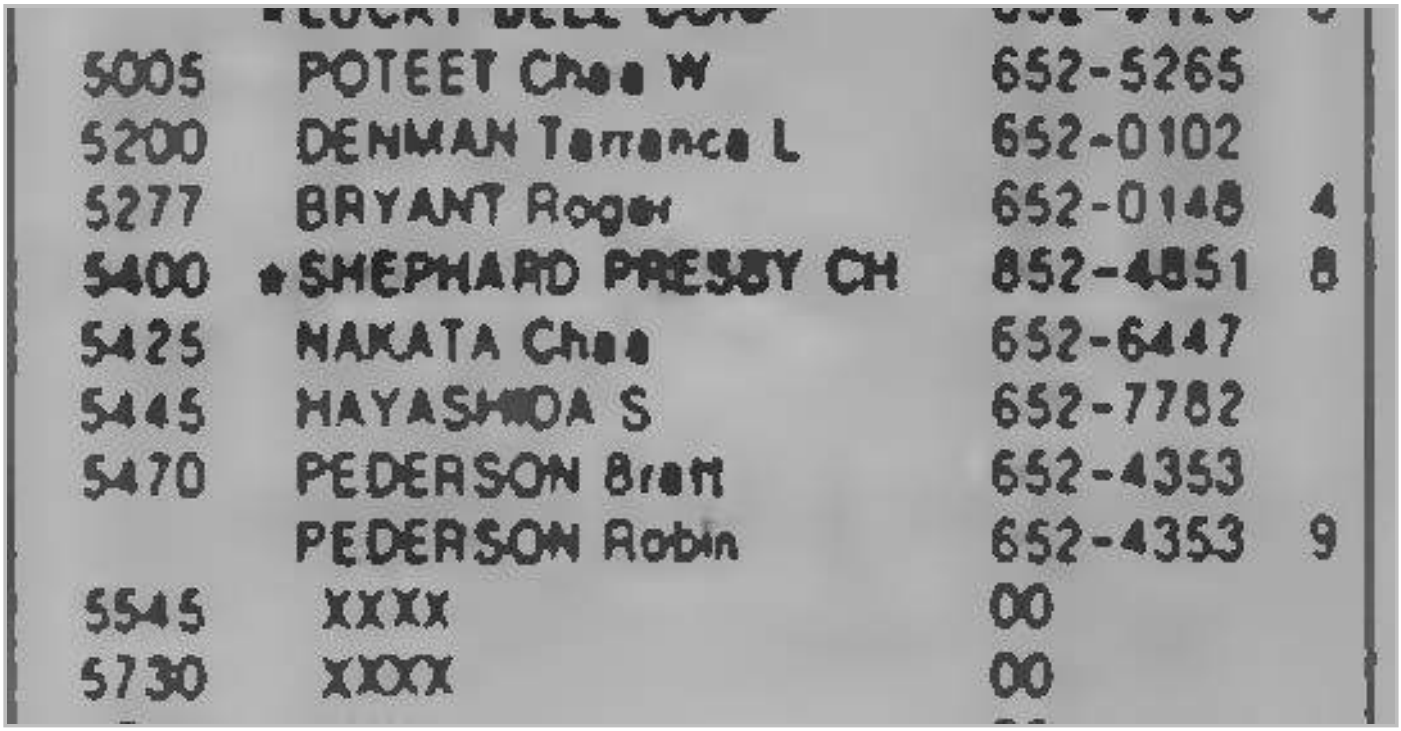
Target Street	Cross Street	Source
✓	-	Cole Information

ROCKLIN RD 1992

5780 PORTER, JOHN B
5820 PIERCE, F M

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

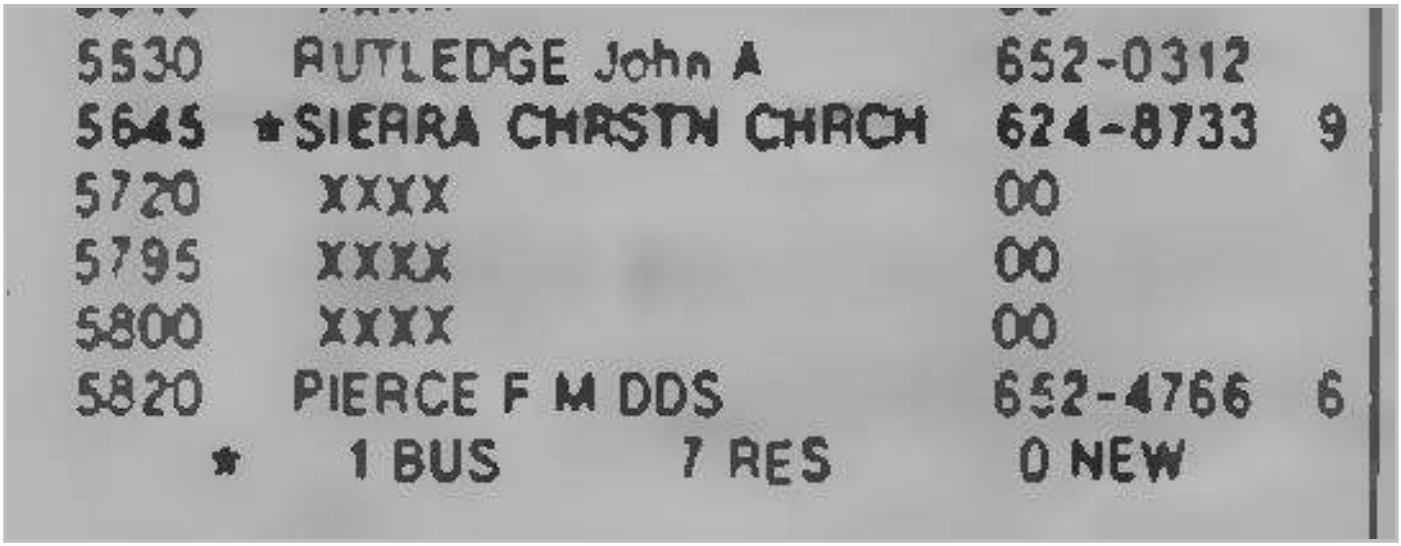
BARTON RD 1990



5005	POTEET Chas W	652-5265	
5200	DENMAN Terrance L	652-0102	
5277	BRYANT Roger	652-0148	4
5400	*SHEPHARD PRESBY CH	852-4851	8
5425	NAKATA Chas	652-6447	
5445	HAYASHIDA S	652-7782	
5470	PEDERSON Brett	652-4353	
	PEDERSON Robin	652-4353	9
5545	XXXX	00	
5730	XXXX	00	

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

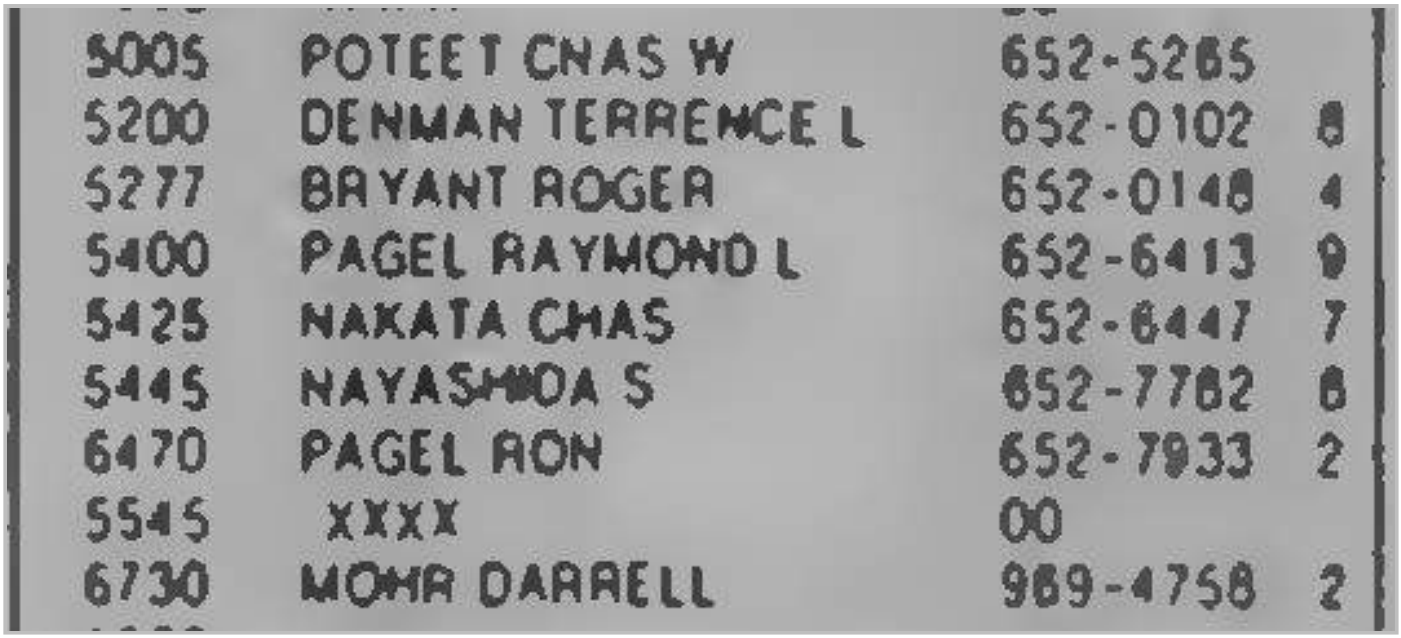
ROCKLIN RD 1990



5530	RUTLEDGE John A	652-0312	
5645	*SIERRA CHRSTN CHRCH	624-8733	9
5720	XXXX	00	
5795	XXXX	00	
5800	XXXX	00	
5820	PIERCE F M DDS	652-4766	6
*	1 BUS 7 RES	0 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

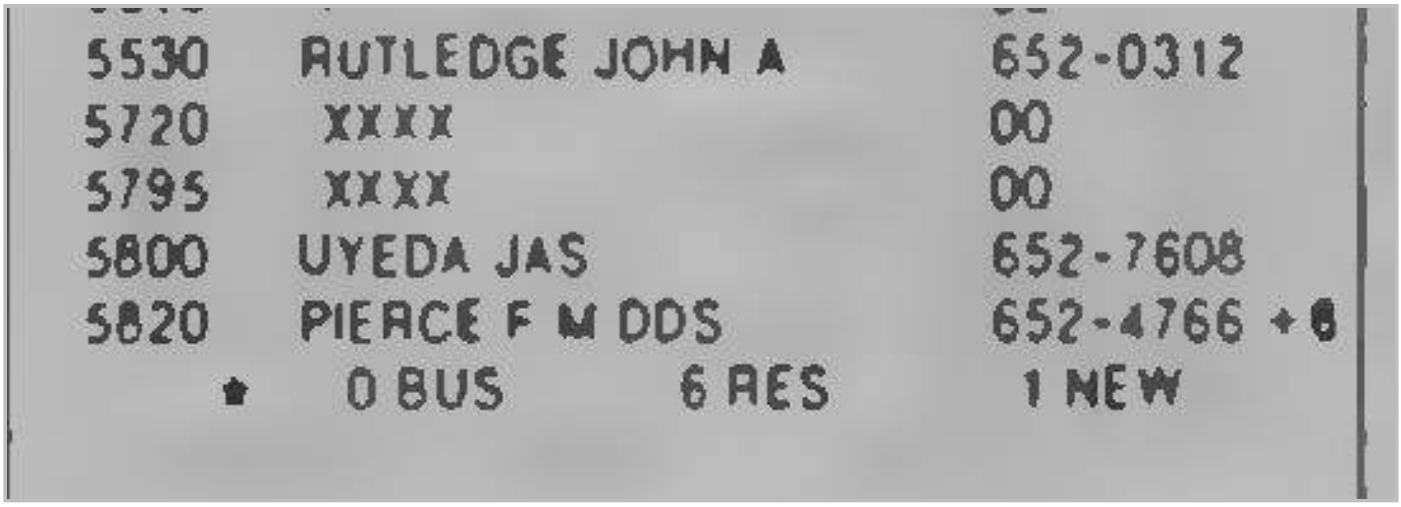
BARTON RD 1986



5005	POTEET CHAS W	652-5265	
5200	DENMAN TERRENCE L	652-0102	8
5277	BRYANT ROGER	652-0148	4
5400	PAGEL RAYMOND L	652-6413	9
5425	NAKATA CHAS	652-6447	7
5445	NAYASHIDA S	652-7782	6
6470	PAGEL RON	652-7933	2
5545	XXXX	00	
6730	MOHR DARRELL	989-4758	2

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

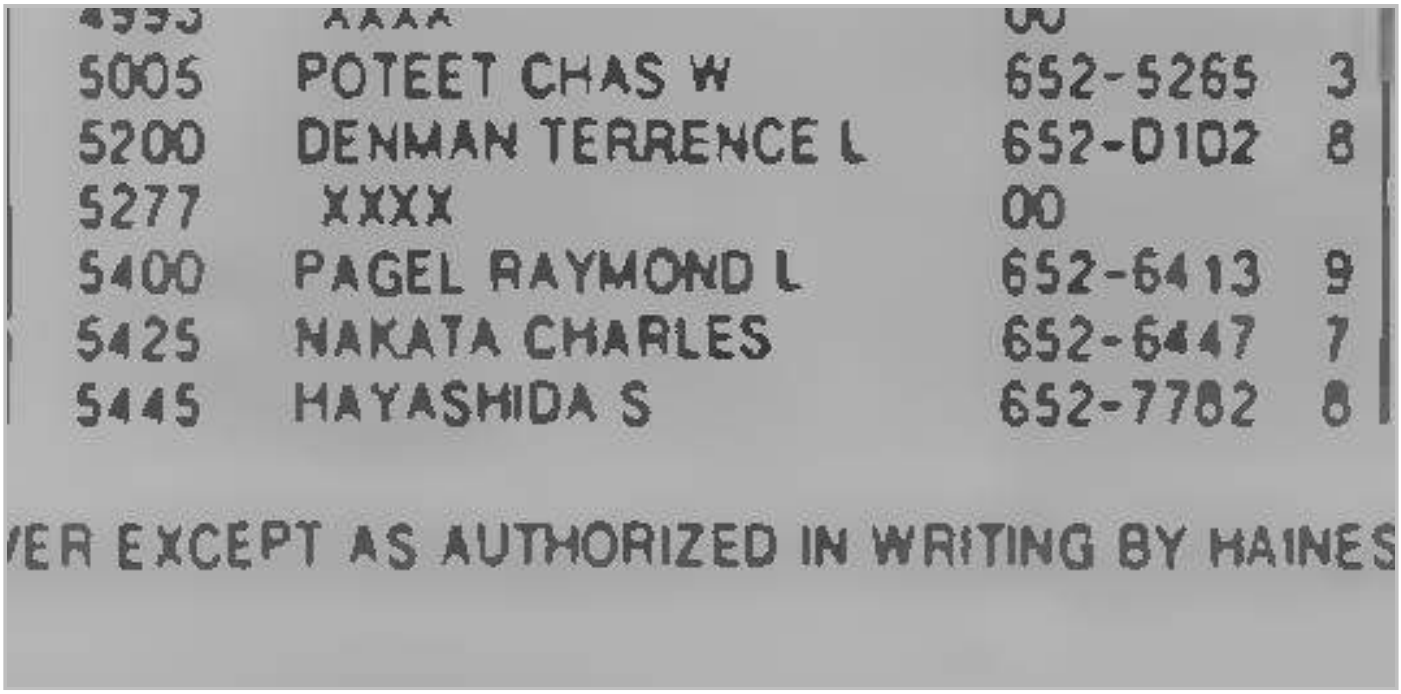
ROCKLIN RD 1986



5530	RUTLEDGE JOHN A	652-0312
5720	XXXX	00
5795	XXXX	00
5800	UYEDA JAS	652-7608
5820	PIERCE F M DDS	652-4766 +6
	0 BUS 6 RES	1 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

BARTON RD 1981



4993	XXXX	00	
5005	POTEET CHAS W	652-5265	3
5200	DENMAN TERRENCE L	652-D102	8
5277	XXXX	00	
5400	PAGEL RAYMOND L	652-6413	9
5425	NAKATA CHARLES	652-6447	7
5445	HAYASHIDA S	652-7782	8

VER EXCEPT AS AUTHORIZED IN WRITING BY HAINES

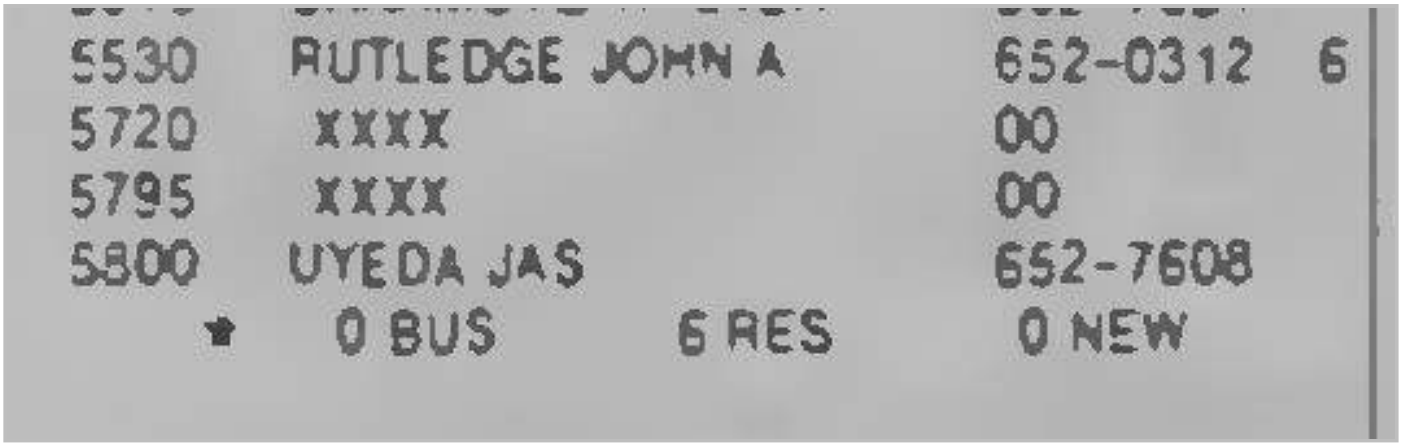
Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

BARTON RD 1981



Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ROCKLIN RD 1981



5530	RUTLEDGE JOHN A	652-0312	6
5720	XXXX	00	
5795	XXXX	00	
5800	UYEDA JAS	652-7608	
*	0 BUS 6 RES	0 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

BARTON RD 1977

4993	WOLCIK C EDW	652-6329 2
5005	POTEET CHAS W	652-5265 3
5277	THORNE J T	652-7866
5425	NAKATA CHARLES	652-6447+7
5445	XXXX	OO
5470	BETANCOURT ANGEL	652-7317
5545	HAYASHIDA S	652-7782+7
5730	XXXX	DO
[illegible]	[illegible]	[illegible]

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ROCKLIN RD 1977

5510	SAKAMOTO WALTER	652-7634	
5530	RUTLEDGE J A MRS	652-0245	6
	RUTLEDGE JOHN A	652-0312	6
5720	CAHILL H W	652-6238	5
	*K M RANCH	652-6238	5
5795	XXXX	00	
5800	UYEDA JAS	652-7608	
	* 1 BUS 6 RES	0 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

BARTON RD 1971



The Reserve
5820 Rocklin Road
Loomis, CA 95650

Inquiry Number: 8070886.3
August 06, 2025

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

08/06/25

Site Name:

The Reserve
5820 Rocklin Road
Loomis, CA 95650
EDR Inquiry # 8070886.3

Client Name:

Youngdahl Consulting Group
1234 Glenhaven Court
El Dorado Hills, CA 95762
Contact: Nancy M Malaret

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Youngdahl Consulting Group were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 11A3-42D4-AFFF

PO # NA

Project E22325.002

UNMAPPED PROPERTY

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

Sanborn® Library search results

Certification #: 11A3-42D4-AFFF

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

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

The Sanborn Library LLC Since 1866™

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APPENDIX C
EDR Radius Map Report with GeoCheck®

The Reserve
5820 Rocklin Road
Loomis, CA 95650

Inquiry Number: 8070886.2s
August 06, 2025

The EDR Radius Map™ Report with GeoCheck®

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

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GEOCHECK ADDENDUM

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Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

5820 ROCKLIN ROAD
LOOMIS, CA 95650

COORDINATES

Latitude (North):	38.7864420 - 38° 47' 11.19''
Longitude (West):	121.1949100 - 121° 11' 41.67''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	656784.3
UTM Y (Meters):	4294418.0
Elevation:	367 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50005985 ROCKLIN, CA
Version Date:	2021

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20220709
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
5820 ROCKLIN ROAD
LOOMIS, CA 95650

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	T-MOBILE SC09955A	5779 ROCKLIN RD	CA PLACER CO. MS	Higher	1 ft.
2	LOOMIS UNION SCHOOL	5500 BARTON ROAD	ENVIROSTOR, SCH	Higher	216, 0.041, ENE
3	LOOMIS HILL ESTATES	5337 LONE PINE LAND	ENVIROSTOR, VCP	Lower	1927, 0.365, North
4	STONEBROOK ESTATES	5760 SCHATZ LANE	ENVIROSTOR	Lower	3344, 0.633, West

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

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

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
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

INDIAN VCP ..... 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

HIST Cal-Sites	Historical Calsites Database
CDL	Clandestine Drug Labs
CERS HAZ WASTE	California Environmental Reporting System Hazardous Waste
Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

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

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees

EXECUTIVE SUMMARY

INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
UST FINDER RELEASE	UST Finder Releases Database
UST FINDER	UST Finder Database
E MANIFEST	Hazardous Waste Electronic Manifest System
PFAS	PFAS Investigation Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CHROME PLATING	Chrome Plating Facilities Listing
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	Inspection, Compliance and Enforcement
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
HWTS	Hazardous Waste Tracking System
HAZNET	Facility and Manifest Data
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
HAZMAT	Hazardous Material Facilities
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)

WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
CIWQS California Integrated Water Quality System
CERS CERS
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State

Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/21/2025 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
LOOMIS UNION SCHOOL Facility Id: 60003055 Status: No Action Required	***5500 BARTON ROAD***	***ENE 0 - 1/8 (0.041 mi.)***	***2***	***9***

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOOMIS HILL ESTATES Facility Id: 31010010 Status: Certified	***5337 LONE PINE LAND***	***N 1/4 - 1/2 (0.365 mi.)***	***3***	***11***
STONEBROOK ESTATES Facility Id: 31010001 Status: Refer: Other Agency	5760 SCHATZ LANE	W 1/2 - 1 (0.633 mi.)	4	15

Lists of state and tribal voluntary cleanup sites

VCP: 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.

A review of the VCP list, as provided by EDR, and dated 04/21/2025 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOOMIS HILL ESTATES Status: Certified Facility Id: 31010010	***5337 LONE PINE LAND***	***N 1/4 - 1/2 (0.365 mi.)***	***3***	***11***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

SCH: 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.

A review of the SCH list, as provided by EDR, and dated 04/21/2025 has revealed that there is 1 SCH

site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOOMIS UNION SCHOOL	***5500 BARTON ROAD***	***ENE 0 - 1/8 (0.041 mi.)***	***2***	***9***
Facility Id: 60003055				
Status: No Action Required				

Other Ascertainable Records

CA PLACER CO. MS: Placer County Master List of Facilities includes Aboveground Hazardous Material tanks, Underground Storage tanks, Site Clean-up sites.

A review of the CA PLACER CO. MS list, as provided by EDR, and dated 02/20/2025 has revealed that there is 1 CA PLACER CO. MS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
T-MOBILE SC09955A	5779 ROCKLIN RD	0 - 1/8 (0.000 mi.)	1	9
Facility Status: Closed				
Facility Id: FA0017449				

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
BATH & BODY WORKS #2663	CERS HAZ WASTE, HWTS CDL
SOUTHERN PACIFIC (ROUNDHOUSE)	SEMS-ARCHIVE
PROPOSED COSTCO WHOLESALE WAREHOUS	ENVIROSTOR, VCP
SIERRA COLLEGE SURPLUS SITES EAST	ENVIROSTOR, VCP

OVERVIEW MAP - 8070886.2S



0 1/4 1/2 1 Miles

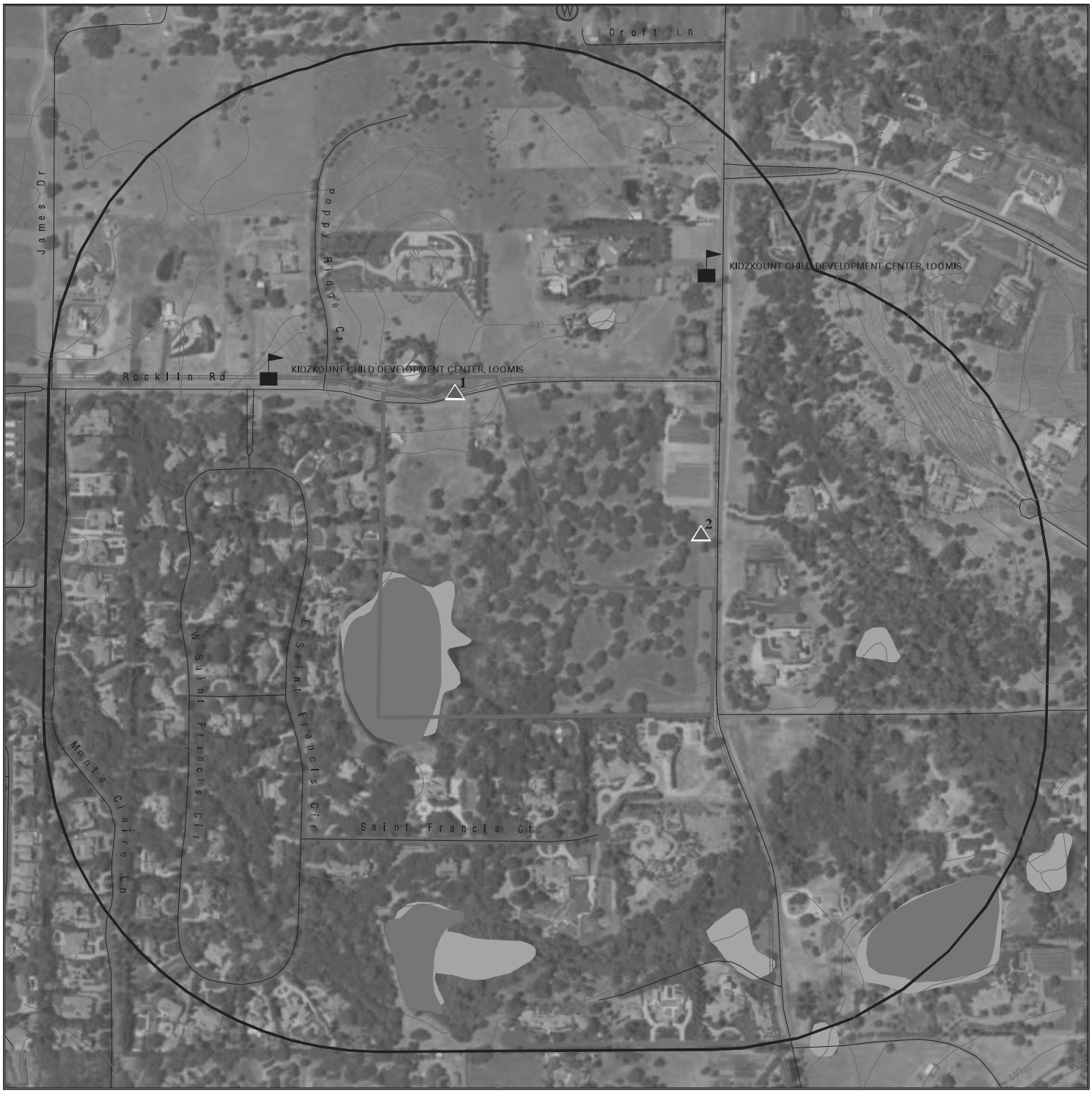
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

SITE NAME:	The Reserve	CLIENT:	Youngdahl Consulting Group
ADDRESS:	5820 Rocklin Road Loomis CA 95650	CONTACT:	Nancy M Malaret
LAT/LONG:	38.786442 / 121.19491	INQUIRY #:	8070886.2s
		DATE:	August 06, 2025 7:08 pm

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DETAIL MAP - 8070886.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

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

SITE NAME:	The Reserve	CLIENT:	Youngdahl Consulting Group
ADDRESS:	5820 Rocklin Road Loomis CA 95650	CONTACT:	Nancy M Malaret
LAT/LONG:	38.786442 / 121.19491	INQUIRY #:	8070886.2s
		DATE:	August 06, 2025 7:09 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		1	0	1	1	NR	3
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CHROME PLATING	0.500		0	0	0	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWTS	0.001		0	NR	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		1	0	NR	NR	NR	1
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	3	0	2	1	0	6

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 **T-MOBILE SC09955A** **CA PLACER CO. MS** **S110071543**
5779 ROCKLIN RD **N/A**
< 1/8 **LOOMIS, CA 95650**
1 ft.

Relative: **Higher**
Actual: **396 ft.**

PLACER CO. MS:

Name:	T-MOBILE SC09955A
Address:	5779 ROCKLIN RD
City,State,Zip:	LOOMIS, CA 95650
Facility ID:	FA0017449
Facility Status:	Closed
Program Element Code:	2105
Program:	HAZMAT BUSINESS PLAN
Record Num:	PR0013495
District Code:	999
Decode for Fstatus:	Closed

---

2 **LOOMIS UNION SCHOOL DISTRICT FUTURE SCHOOL SITE** **ENVIROSTOR** **S126982082**
ENE **5500 BARTON ROAD** **SCH** **N/A**
< 1/8 **LOOMIS, CA 95650**
0.041 mi.
216 ft.

Relative: **Higher**
Actual: **387 ft.**

ENVIROSTOR:

Name:	LOOMIS UNION SCHOOL DISTRICT FUTURE SCHOOL SITE
Address:	5500 BARTON ROAD
City,State,Zip:	LOOMIS, CA 95650
Facility ID:	60003055
Status:	No Action Required
Status Date:	07/20/2021
Site Code:	104834
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	15
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Jose Salcedo
Division Branch:	Santa Susana Field Laboratory Branch
Assembly:	05
Senate:	06
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	38.78834
Longitude:	-121.1925
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	104834
Alias Type:	Project Code (Site Code)
Alias Name:	60003055
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE

LOOMIS UNION SCHOOL DISTRICT FUTURE SCHOOL SITE (Continued) **S126982082**

Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	07/13/2021
Comments:	On Jul 13, 2021, DTSC received cover letter, Phase I Advance for $1,500 and application dated Oct 7, 2020.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	07/20/2021
Comments:	On Jul 20, 2021, DTSC concurred with the conclusion and recommendation of the Phase I that no additional investigation of the Site is required, and approved the Phase I with a no action determination.
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

SCH:

Name:	LOOMIS UNION SCHOOL DISTRICT FUTURE SCHOOL SITE
Address:	5500 BARTON ROAD
City,State,Zip:	LOOMIS, CA 95650
Facility ID:	60003055
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	15
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Jose Salcedo
Division Branch:	Santa Susana Field Laboratory Branch
Site Code:	104834
Assembly:	05
Senate:	06
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	07/20/2021
Restricted Use:	NO
Funding:	School District
Latitude:	38.78834
Longitude:	-121.1925
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA

LOOMIS UNION SCHOOL DISTRICT FUTURE SCHOOL SITE (Continued) **S126982082**

Alias Name:	104834
Alias Type:	Project Code (Site Code)
Alias Name:	60003055
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	07/13/2021
Comments:	On Jul 13, 2021, DTSC received cover letter, Phase I Advance for $1,500 and application dated Oct 7, 2020.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	07/20/2021
Comments:	On Jul 20, 2021, DTSC concurred with the conclusion and recommendation of the Phase I that no additional investigation of the Site is required, and approved the Phase I with a no action determination.

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

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3 **LOOMIS HILL ESTATES** **ENVIROSTOR** **S105838287**
North **5337 LONE PINE LAND** **VCP** **N/A**
1/4-1/2 **LOOMIS, CA 95661**
0.365 mi.
1927 ft.

Relative:
Lower

Actual:
365 ft.

ENVIROSTOR:

Name:	LOOMIS HILL ESTATES
Address:	5337 LONE PINE LAND
City,State,Zip:	LOOMIS, CA 95661
Facility ID:	31010010
Status:	Certified
Status Date:	06/15/2005
Site Code:	101567
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	322
NPL:	NO
Regulatory Agencies:	SMBRP, PLACER COUNTY
Lead Agency:	SMBRP
Program Manager:	Duane White
Supervisor:	* Fernando Amador
Division Branch:	Cleanup Sacramento
Assembly:	05
Senate:	06
Special Program:	Voluntary Agreement - Standard Voluntary Agreement

LOOMIS HILL ESTATES (Continued) **S105838287**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 38.7939
Longitude: -121.1938
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ORCHARD, MINE
Potential COC: Arsenic DDD DDE DDT Mercury and compounds Polychlorinated biphenyls (PCBs, see IRIS
Confirmed COC: Arsenic DDD DDE DDT Polychlorinated biphenyls (PCBs, see IRIS 30357-NO
Potential Description: SOIL
Alias Name: LOOMIS HILL ESTATES
Alias Type: Alternate Name
Alias Name: 110033605105
Alias Type: EPA (FRS #)
Alias Name: 101567
Alias Type: Project Code (Site Code)
Alias Name: 31010010
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/02/2004
Comments: PEA (PRELIMINARY ENDANGERMENT ASSESSMENT) -- THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) APPROVED THE FINAL PEA. THE PEAPROPOSES THAT AREAS ADJACENT TO THE FORMER MIXING AREA AND FORMER TRANSFORMERS CURRENTLY PRESENT A POTENTIAL HAZARD TO HUMAN HEALTH AND THE ENVIRONMENT. THE PEA RECOMMENDS A REMOVAL ACTION WORK PLAN BE PREPARED.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 02/23/2005
Comments: DTSC held a 30-day comment on the draft in Janurary 2004 through February 2004. DTSC did not receive any comments. ARSENIC, LEAD, DDT, DDE, DDD, AND PCB WERE THE MAIN CONTAMINANTS. THE RAW PROPOSES TO EXCAVATE 1,800 CUBIC YARDS OF SOIL AND TRANSPORT IT TO AN APPROPRIATE LANDFILL. THE CLEANUP WILL ACCOMMODATE RESIDENTIAL DEVELOPMENT

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/18/2005
Comments: RA (REMEDIAL ACTION) -- A TOTAL OF 1,600 CUBIC YARDS OF CONTAMINATED SOIL WAS REMOVED FROM TWO DIFFERENT AREA AND TRANSPORTED TO A PERMITTED FACILITY. APPROXIMATELY 450 CUBIC YARDS OF SOIL WAS REMOVED FROM AREA I WHICH CONTAINED POLYCHLORINATED BIPHENYLS (PCBs) FROMA FORMER TRANSFORER. APPROXIMATELY 1150 CUBIC YARDS OF SOIL WAS REMOVED FROM AREA II WHICH CONTAINED PESTICIDES, SUCH AS ARSENIC, LEAD, AND DICHLORO DIPHENYL TRICHLOROETHANE (DDT). AREA II WAS THE FORMER PESTICIDED MIXING AREA. REMEDIATION COMPLETED TO RESIDENTIAL STANDARDS TO ACCOMMODATE THE PLANNED RESIDENTIAL DEVELOPMENT.

Completed Area Name: PROJECT WIDE

LOOMIS HILL ESTATES (Continued) **S105838287**

Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 01/15/2003
Comments: ORDER/VCA-- DTSC and Sacramento Land Investment signed a Voluntary Cleanup Agreement for DTSC to provide oversight during a Preliminary Assessment Agreement (PEA).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 02/23/2005
Comments: CEQA -- CALIFORNIA ENVIRONMENTAL QUALITY ACT. THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) HAS APPROVED THE PROPOSED NEGATIVE DECLARATION (ND). A PUBLIC COMMENT PERIOD FOR THE ND WAS HELD FOR 30 DAYS BEGINNING ON JANUARY 13, 2005 AND ENDING FEBRUARY 14, 2005. DTSC DID NOT RECEIVE ANY COMMENTS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 09/16/2004
Comments: ORDER/VCA AMENDMENT -- THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC AND PROPONENT SIGN A VOLUNTARY CLEANUP AGREEMENT (VCA) AMENDMENT FOR DTSC TO PROVIDE OVERSIGHT IN PREPARATION OF A REMOVAL ACTION WORK PLAN (RAW) AND DURING REMEDIATION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/15/2005
Comments: The subject site has be remediated for unrestricted land use. The the activites in the RAW have been completed

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

VCP:
Name: LOOMIS HILL ESTATES
Address: 5337 LONE PINE LAND
City,State,Zip: LOOMIS, CA 95661
Facility ID: 31010010
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 322
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, PLACER COUNTY
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Duane White

LOOMIS HILL ESTATES (Continued) **S105838287**

Supervisor:	* Fernando Amador
Division Branch:	Cleanup Sacramento
Site Code:	101567
Assembly:	05
Senate:	06
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified
Status Date:	06/15/2005
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	38.7939 / -121.1938
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ORCHARD, MINE
Potential COC:	30001, 30006, 30007, 30008, 30357, 30468
Confirmed COC:	30001,30006,30007,30008,30468,30357-NO
Potential Description:	SOIL
Alias Name:	LOOMIS HILL ESTATES
Alias Type:	Alternate Name
Alias Name:	110033605105
Alias Type:	EPA (FRS #)
Alias Name:	101567
Alias Type:	Project Code (Site Code)
Alias Name:	31010010
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/02/2004
Comments:	PEA (PRELIMINARY ENDANGERMENT ASSESSMENT) -- THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) APPROVED THE FINAL PEA. THE PEAPROPOSES THAT AREAS ADJACENT TO THE FORMER MIXING AREA AND FORMER TRANSFORMERS CURRENTLY PRESENT A POTENTIAL HAZARD TO HUMAN HEALTH AND THE ENVIRONMENT. THE PEA RECOMMENDS A REMOVAL ACTION WORK PLAN BE PREPARED.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	02/23/2005
Comments:	DTSC held a 30-day comment on the draft in Janurary 2004 through February 2004. DTSC did not receive any comments. ARSENIC, LEAD, DDT, DDE, DDD, AND PCB WERE THE MAIN CONTAMINANTS. THE RAW PROPOSES TO EXCAVATE 1,800 CUBIC YARDS OF SOIL AND TRANSPORT IT TO AN APPROPRIATE LANDFILL. THE CLEANUP WILL ACCOMMODATE RESIDENTIAL DEVELOPMENT

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	05/18/2005
Comments:	RA (REMEDIAL ACTION) -- A TOTAL OF 1,600 CUBIC YARDS OF CONTAMINATED SOIL WAS REMOVED FROM TWO DIFFERENT AREA AND TRANSPORTED TO A PERMITTED FACILITY. APPROXIMATELY 450 CUBIC YARDS OF SOIL WAS REMOVED FROM AREA I WHICH CONTAINED POLYCHLORINATED BIPHENYLS (PCBs) FROMA FORMER TRANSFORER. APPROXIMATELY 1150 CUBIC YARDS OF SOIL WAS REMOVED FROM AREA II WHICH CONTAINED PESTICIDES, SUCH AS ARSENIC, LEAD, AND DICHLORO DIPHENYL TRICHLOROETHANE (DDT). AREA II WAS THE FORMER

LOOMIS HILL ESTATES (Continued) **S105838287**

PESTICIDED MIXING AREA. REMEDIATION COMPLETED TO RESIDENTIAL STANDARDS TO ACCOMMODATE THE PLANNED RESIDENTIAL DEVELOPMENT.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 01/15/2003
Comments: ORDER/VCA-- DTSC and Sacramento Land Investment signed a Voluntary Cleanup Agreement for DTSC to provide oversight during a Preliminary Assessment Agreement (PEA).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 02/23/2005
Comments: CEQA -- CALIFORNIA ENVIRONMENTAL QUALITY ACT. THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) HAS APPROVED THE PROPOSED NEGATIVE DECLARATION (ND). A PUBLIC COMMENT PERIOD FOR THE ND WAS HELD FOR 30 DAYS BEGINNING ON JANUARY 13, 2005 AND ENDING FEBRUARY 14, 2005. DTSC DID NOT RECEIVE ANY COMMENTS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 09/16/2004
Comments: ORDER/VCA AMENDMENT -- THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC AND PROPONENT SIGN A VOLUNTARY CLEANUP AGREEMENT (VCA) AMENDMENT FOR DTSC TO PROVIDE OVERSIGHT IN PREPARATION OF A REMOVAL ACTION WORK PLAN (RAW) AND DURING REMEDIATION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/15/2005
Comments: The subject site has be remediated for unrestricted land use. The the activites in the RAW have been completed

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

4
West
1/2-1
0.633 mi.
3344 ft.

STONEBROOK ESTATES **ENVIROSTOR** **S101481493**
5760 SCHATZ LANE **N/A**
ROCKLIN, CA 95677

Relative:
Lower

Actual:
316 ft.

ENVIROSTOR:
Name: STONEBROOK ESTATES
Address: 5760 SCHATZ LANE
City,State,Zip: ROCKLIN, CA 95677
Facility ID: 31010001

STONEBROOK ESTATES (Continued) **S101481493**

Status: Refer: Other Agency
Status Date: 11/16/1994
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Sacramento
Assembly: 05
Senate: 06
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.78472
Longitude: -121.2083
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 31010001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/28/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/28/1991
Comments: Facility Identified: Received letter regarding analytical results from soil testing & removal prior to subdivision development of property. Placer County Health had no involvement with the remedial work. Site Screening Done: Placer County Assessor Office indicates that the parcel is subdivided for residential development. Results presented in a March 1990 letter indicate that soil in the area of an old barn that had previously tested positive for DDT & other pesticides had been removed. Control area samples showed 2.7 parts per million DDT. Low-priority Preliminary Endangerment Assessment recommended.

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

STONEBROOK ESTATES (Continued) **S101481493**

Schedule Revised Date: Not reported

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOOMIS	S122495077	PROPOSED COSTCO WHOLESALE WAREHOUS	SOUTHEAST CORNER OF BRACE ROAD	95650	ENVIROSTOR, VCP
ROCKLIN	1003879731	SOUTHERN PACIFIC (ROUNDHOUSE)	CORNER OF FIRST & ROCKLIN RD.	95677	SEMS-ARCHIVE
ROCKLIN	S121475152	SIERRA COLLEGE SURPLUS SITES EAST	INTERSECTION OF SIERRA COLLEGE	95677	ENVIROSTOR, VCP
ROCKLIN	S129060577	BATH & BODY WORKS #2663	5108 ROCKLIN COMMON DR SPC 101	95677	CERS HAZ WASTE, HWTS
ROCKLIN	S107540519		ROCKLIN P.D./4060 ROCKLIN RD	95677	CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 08/04/2025
Next Scheduled EDR Contact: 10/06/2025
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: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 08/04/2025
Next Scheduled EDR Contact: 10/06/2025
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: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 08/04/2025
Next Scheduled EDR Contact: 10/06/2025
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: 11/20/2024
Date Data Arrived at EDR: 12/18/2024
Date Made Active in Reports: 12/20/2024
Number of Days to Update: 2

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/20/2025
Next Scheduled EDR Contact: 10/06/2025
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: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/04/2025
Next Scheduled EDR Contact: 10/20/2025
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: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/04/2025
Next Scheduled EDR Contact: 10/20/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/03/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 13

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/03/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/04/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/04/2025
Next Scheduled EDR Contact: 09/29/2025
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: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/04/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Quarterly

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

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

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/04/2025
Next Scheduled EDR Contact: 09/29/2025
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: 03/11/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 06/24/2025
Number of Days to Update: 83

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/29/2025
Next Scheduled EDR Contact: 11/17/2025
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: 05/19/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 12/02/2024
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: 05/19/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/01/2025
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: 06/10/2025
Date Data Arrived at EDR: 06/12/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 4

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/12/2025
Next Scheduled EDR Contact: 09/29/2025
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: 04/21/2025
Date Data Arrived at EDR: 04/22/2025
Date Made Active in Reports: 07/09/2025
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
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: 04/21/2025
Date Data Arrived at EDR: 04/22/2025
Date Made Active in Reports: 07/09/2025
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 05/05/2025
Date Data Arrived at EDR: 05/06/2025
Date Made Active in Reports: 07/28/2025
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 07/31/2025
Next Scheduled EDR Contact: 11/17/2025
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 4: Underground Storage Tank Leak List

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

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

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

LUST REG 5: Leaking Underground Storage Tank Database

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

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

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

LUST REG 7: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 8: Leaking Underground Storage Tanks

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

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

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

LUST REG 3: Leaking Underground Storage Tank Database

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

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

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

LUST REG 2: Fuel Leak List

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation

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

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

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

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

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

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

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/02/2025
Date Made Active in Reports: 07/11/2025
Number of Days to Update: 39

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 9: Leaking Underground Storage Tank Report

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

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

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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

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

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

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

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

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

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

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

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

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

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/02/2025
Date Made Active in Reports: 07/11/2025
Number of Days to Update: 39
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Lists of state and tribal registered storage tanks

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

Date of Government Version: 04/08/2025
Date Data Arrived at EDR: 04/23/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 1

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/24/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Semi-Annually

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

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
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: 05/13/2025
Date Data Arrived at EDR: 05/22/2025
Date Made Active in Reports: 05/27/2025
Number of Days to Update: 5

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

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

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

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/03/2025
Next Scheduled EDR Contact: 09/22/2025
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/08/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
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: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/15/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
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: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
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: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

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
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/10/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/21/2025
Date Data Arrived at EDR: 04/22/2025
Date Made Active in Reports: 07/09/2025
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/17/2025
Date Data Arrived at EDR: 03/18/2025
Date Made Active in Reports: 05/30/2025
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/12/2025
Next Scheduled EDR Contact: 09/26/2025
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/09/2024
Date Data Arrived at EDR: 09/11/2024
Date Made Active in Reports: 12/06/2024
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2025
Next Scheduled EDR Contact: 09/22/2025
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: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 05/30/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/19/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 08/05/2025
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 07/29/2025
Next Scheduled EDR Contact: 11/17/2025
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 02/07/2024
Date Data Arrived at EDR: 11/13/2024
Date Made Active in Reports: 11/19/2024
Number of Days to Update: 6

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
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: 12/31/2024
Date Data Arrived at EDR: 02/20/2025
Date Made Active in Reports: 04/29/2025
Number of Days to Update: 68

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/21/2025
Date Data Arrived at EDR: 04/22/2025
Date Made Active in Reports: 07/09/2025
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
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: 12/31/2022
Date Data Arrived at EDR: 03/21/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

CERS HAZ WASTE: California Environmental Reporting System Hazardous 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: 04/14/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 07/07/2025
Number of Days to Update: 83

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/14/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2024
Date Data Arrived at EDR: 02/20/2025
Date Made Active in Reports: 04/29/2025
Number of Days to Update: 68

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/25/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 83

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/14/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 07/07/2025
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/14/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/20/2025
Date Data Arrived at EDR: 02/21/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
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: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/04/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

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

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/25/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 71

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/23/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/11/2025
Date Data Arrived at EDR: 06/12/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 4

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/12/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/28/2025
Date Data Arrived at EDR: 04/18/2025
Date Made Active in Reports: 07/09/2025
Number of Days to Update: 82

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/02/2025
Date Made Active in Reports: 07/11/2025
Number of Days to Update: 39

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/02/2025
Date Made Active in Reports: 07/11/2025
Number of Days to Update: 39

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/04/2025
Next Scheduled EDR Contact: 09/29/2025
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: 07/23/2025
Date Data Arrived at EDR: 07/23/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 6

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/23/2025
Next Scheduled EDR Contact: 08/25/2025
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: 07/07/2025
Next Scheduled EDR Contact: 10/20/2025
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: 06/25/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/08/2025
Next Scheduled EDR Contact: 08/18/2025
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: 06/02/2025
Date Data Arrived at EDR: 06/03/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/03/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA Watch List

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/24/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: No Update Planned

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: 07/31/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/12/2025
Next Scheduled EDR Contact: 09/22/2025
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: 12/31/2023
Date Data Arrived at EDR: 02/11/2025
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 7

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/15/2025
Next Scheduled EDR Contact: 08/25/2025
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: 04/14/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 07/08/2025
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/14/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 04/25/2025
Date Data Arrived at EDR: 05/01/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/04/2025
Next Scheduled EDR Contact: 09/08/2025
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: 04/05/2025
Date Data Arrived at EDR: 04/11/2025
Date Made Active in Reports: 07/08/2025
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/09/2025
Next Scheduled EDR Contact: 10/27/2025
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: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 28

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/04/2025
Next Scheduled EDR Contact: 11/10/2025
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: 07/01/2024
Date Data Arrived at EDR: 10/02/2024
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 100

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/02/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/07/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 06/03/2025
Number of Days to Update: 27

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 12/31/2023
Date Data Arrived at EDR: 10/16/2024
Date Made Active in Reports: 01/14/2025
Number of Days to Update: 90

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/08/2025
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: 07/31/2025
Next Scheduled EDR Contact: 11/10/2025
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: 06/17/2025
Next Scheduled EDR Contact: 10/06/2025
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: 03/31/2025
Date Data Arrived at EDR: 04/22/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 86
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
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: 03/31/2025
Date Data Arrived at EDR: 05/02/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 76

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/24/2025
Next Scheduled EDR Contact: 10/13/2025
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: 12/31/2023
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/07/2025
Number of Days to Update: 16

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/03/2025
Next Scheduled EDR Contact: 09/29/2025
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: 06/25/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2025
Next Scheduled EDR Contact: 11/10/2025
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: 05/15/2025
Date Data Arrived at EDR: 05/15/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 75

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/15/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/04/2025
Next Scheduled EDR Contact: 10/06/2025
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

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 04/01/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 06/24/2025
Number of Days to Update: 83

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/01/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 70

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/02/2024
Date Data Arrived at EDR: 08/20/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 50

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 06/04/2024
Date Data Arrived at EDR: 11/22/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 88

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/01/2025
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: 05/28/2025
Date Data Arrived at EDR: 05/28/2025
Date Made Active in Reports: 06/03/2025
Number of Days to Update: 6

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 05/28/2025
Next Scheduled EDR Contact: 09/15/2025
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: 04/22/2025
Date Data Arrived at EDR: 05/05/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 16

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/05/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 02/14/2025
Date Data Arrived at EDR: 03/11/2025
Date Made Active in Reports: 06/03/2025
Number of Days to Update: 84

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/02/2025
Next Scheduled EDR Contact: 10/20/2025
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: 03/23/2025
Date Data Arrived at EDR: 03/27/2025
Date Made Active in Reports: 06/24/2025
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/25/2025
Next Scheduled EDR Contact: 10/13/2025
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: 05/07/2025
Date Data Arrived at EDR: 05/13/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 77

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/13/2025
Next Scheduled EDR Contact: 08/25/2025
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: 03/31/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

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

Date of Government Version: 03/31/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

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

Date of Government Version: 03/31/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

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

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

Date of Government Version: 03/23/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
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: 07/16/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

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

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
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. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/15/2024
Date Data Arrived at EDR: 03/06/2025
Date Made Active in Reports: 06/03/2025
Number of Days to Update: 89

Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 06/05/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

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

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

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

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

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

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

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

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

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
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: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 04/29/2025
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 06/26/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

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

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
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: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 04/13/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 07/08/2025
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA’s UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA’s Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/14/2025
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 06/04/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS sites included in the Envirostor and GeoTracker databases. Locations of potential sources of per - and polyfluoroalkyl substances (PFAS). This does not mean that PFAS has been produced, used, or discharged at these sites.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

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

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHROME PLATING: Chrome Plating Facilities Listing

This listing represents chrome plating facilities the California State Water Resources Control Board staff identified as possibly being a source of Per- and polyfluoroalkyl substance (PFAS) contamination. Sites and locations were identified by staff with the Division of Water Quality in the California State Water Board. Data was collected from the CA Air Resources Board 2013 and 2018 - Cr VI emission survey, CA Emission Inventory, CA HAZ Waste discharge database and by reviewing storm water permits. Former chrome plating sites are also included that are open site investigation or remediation cases with the Regional Water Quality Control Boards and the Department of Toxic Substances Control.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/17/2025
Date Data Arrived at EDR: 03/18/2025
Date Made Active in Reports: 05/30/2025
Number of Days to Update: 73

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/12/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Quarterly

CUPA LIV-PLE: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 09/19/2024
Date Data Arrived at EDR: 11/05/2024
Date Made Active in Reports: 01/31/2025
Number of Days to Update: 87

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/08/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Varies

DRYCLEAN BAY AREA: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432

Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89

Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 08/21/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN N COAST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473

Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468

Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
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: 05/22/2025
Date Data Arrived at EDR: 05/22/2025
Date Made Active in Reports: 05/30/2025
Number of Days to Update: 8

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

DRYCLEAN SHASTA: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 08/29/2024
Date Data Arrived at EDR: 09/05/2024
Date Made Active in Reports: 11/13/2024
Number of Days to Update: 69

Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN N SIERRA: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 08/22/2024
Date Data Arrived at EDR: 08/22/2024
Date Made Active in Reports: 11/05/2024
Number of Days to Update: 75

Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 05/05/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/14/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 08/05/2025
Number of Days to Update: 77

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

DRYCLEAN CALAVERAS: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412

Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN IMPERIAL: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 10/02/2024
Date Data Arrived at EDR: 10/03/2024
Date Made Active in Reports: 12/20/2024
Number of Days to Update: 78

Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 02/20/2025
Date Data Arrived at EDR: 02/26/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 30

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Annually

DRYCLEAN MOJAVE: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 05/02/2025
Date Data Arrived at EDR: 05/02/2025
Date Made Active in Reports: 07/18/2025
Number of Days to Update: 77

Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN EAST KERN: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 08/21/2024
Date Data Arrived at EDR: 08/22/2024
Date Made Active in Reports: 11/05/2024
Number of Days to Update: 75

Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 04/03/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 83

Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTERY BAY: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/15/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 83

Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 05/02/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 83

Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN VENTURA: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 05/05/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 83

Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 05/15/2025
Date Data Arrived at EDR: 05/15/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 75

Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GLENN: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 08/26/2024
Date Data Arrived at EDR: 08/28/2024
Date Made Active in Reports: 11/13/2024
Number of Days to Update: 77

Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RVR: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88

Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN N SONOMA: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 08/23/2024
Date Data Arrived at EDR: 08/26/2024
Date Made Active in Reports: 11/05/2024
Number of Days to Update: 71

Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 05/02/2025
Date Data Arrived at EDR: 05/08/2025
Date Made Active in Reports: 07/28/2025
Number of Days to Update: 81

Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List

Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/26/2024
Date Made Active in Reports: 04/16/2024
Number of Days to Update: 81

Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 07/21/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Varies

DRYCLEAN SAN JOAQUIN: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/05/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 07/28/2025
Number of Days to Update: 82

Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN LAKE: Lake County Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 02/15/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 05/02/2024
Number of Days to Update: 76

Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MENDOCINO: Mendocino County Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 08/26/2024
Date Data Arrived at EDR: 09/03/2024
Date Made Active in Reports: 11/13/2024
Number of Days to Update: 71

Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing

A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 09/03/2024
Date Data Arrived at EDR: 09/05/2024
Date Made Active in Reports: 11/13/2024
Number of Days to Update: 69

Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 03/11/2025
Date Made Active in Reports: 05/23/2025
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/12/2025
Next Scheduled EDR Contact: 09/22/2025
Data Release Frequency: Varies

ENF: Enforcement Action Listing

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

Date of Government Version: 04/14/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 06/27/2025
Number of Days to Update: 73

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/14/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

FIN ASSURANCE 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/09/2025
Date Data Arrived at EDR: 04/10/2025
Date Made Active in Reports: 07/02/2025
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

FIN 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: 05/08/2025
Date Data Arrived at EDR: 05/13/2025
Date Made Active in Reports: 07/30/2025
Number of Days to Update: 78

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 04/30/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement

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

Date of Government Version: 05/12/2025
Date Data Arrived at EDR: 05/13/2025
Date Made Active in Reports: 07/30/2025
Number of Days to Update: 78

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/13/2025
Next Scheduled EDR Contact: 08/25/2025
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: 05/12/2025
Date Data Arrived at EDR: 05/13/2025
Date Made Active in Reports: 07/30/2025
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/13/2025
Next Scheduled EDR Contact: 08/25/2025
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: 03/31/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 06/20/2025
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 06/25/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Quarterly

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/19/2024
Date Data Arrived at EDR: 07/30/2024
Date Made Active in Reports: 08/28/2024
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/24/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2024
Date Data Arrived at EDR: 01/03/2025
Date Made Active in Reports: 03/19/2025
Number of Days to Update: 75

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 06/30/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Annually

MINES: Mines Site Location Listing

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

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 05/29/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

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

Date of Government Version: 01/02/2025
Date Data Arrived at EDR: 02/25/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 71

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/23/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/05/2025
Date Data Arrived at EDR: 05/06/2025
Date Made Active in Reports: 07/28/2025
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/17/2025
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

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

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/25/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 71

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/23/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 05/30/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Quarterly

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

Date of Government Version: 03/05/2025
Date Data Arrived at EDR: 03/06/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/03/2025
Next Scheduled EDR Contact: 09/22/2025
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: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Annually

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 02/27/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 05/29/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

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

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

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

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/02/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/10/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/23/2025
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 05/30/2025
Next Scheduled EDR Contact: 09/15/2025
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: 05/06/2025
Date Data Arrived at EDR: 05/06/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/06/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/14/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 07/07/2025
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/14/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 12/26/2023
Date Made Active in Reports: 03/19/2024
Number of Days to Update: 84

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

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

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/17/2025
Date Data Arrived at EDR: 03/19/2025
Date Made Active in Reports: 05/30/2025
Number of Days to Update: 72

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/11/2025
Next Scheduled EDR Contact: 09/29/2025
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: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
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: 04/17/2025
Date Data Arrived at EDR: 04/18/2025
Date Made Active in Reports: 07/09/2025
Number of Days to Update: 82

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/05/2025
Date Data Arrived at EDR: 02/12/2025
Date Made Active in Reports: 05/02/2025
Number of Days to Update: 79

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
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: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
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: 06/17/2025
Next Scheduled EDR Contact: 10/06/2025
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: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/09/2025
Date Data Arrived at EDR: 04/10/2025
Date Made Active in Reports: 07/02/2025
Number of Days to Update: 83

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
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: 04/30/2025
Date Data Arrived at EDR: 05/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

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

Date of Government Version: 04/30/2025
Date Data Arrived at EDR: 05/01/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 77

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
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: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 01/28/2025
Date Data Arrived at EDR: 01/29/2025
Date Made Active in Reports: 04/15/2025
Number of Days to Update: 76

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/01/2025
Next Scheduled EDR Contact: 10/20/2025
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: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

LOS ANGELES COUNTY:

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

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/03/2025
Next Scheduled EDR Contact: 09/22/2025
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/09/2025
Date Data Arrived at EDR: 04/10/2025
Date Made Active in Reports: 07/02/2025
Number of Days to Update: 83

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Semi-Annually

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

Date of Government Version: 04/07/2025
Date Data Arrived at EDR: 04/08/2025
Date Made Active in Reports: 07/02/2025
Number of Days to Update: 85

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/03/2025
Next Scheduled EDR Contact: 10/20/2025
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 10/03/2024
Date Made Active in Reports: 12/17/2024
Number of Days to Update: 75

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/01/2025
Next Scheduled EDR Contact: 10/20/2025
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/11/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 05/14/2024
Date Data Arrived at EDR: 07/09/2024
Date Made Active in Reports: 09/27/2024
Number of Days to Update: 80

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/20/2025
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: 03/03/2025
Date Data Arrived at EDR: 03/18/2025
Date Made Active in Reports: 05/30/2025
Number of Days to Update: 73

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/12/2025
Next Scheduled EDR Contact: 09/29/2025
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: 03/03/2025
Date Data Arrived at EDR: 03/18/2025
Date Made Active in Reports: 05/30/2025
Number of Days to Update: 73

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/12/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation LA County List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/31/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 07/07/2025
Number of Days to Update: 83

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/10/2025
Next Scheduled EDR Contact: 10/27/2025
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: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 04/10/2025
Date Data Arrived at EDR: 04/11/2025
Date Made Active in Reports: 06/26/2025
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
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: 06/17/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

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

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/12/2025
Date Data Arrived at EDR: 05/14/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 33

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

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

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

MONTEREY COUNTY:

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

Date of Government Version: 03/27/2025
Date Data Arrived at EDR: 03/27/2025
Date Made Active in Reports: 06/20/2025
Number of Days to Update: 85

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/01/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 04/24/2025
Date Data Arrived at EDR: 04/25/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 83

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups Orange County
Petroleum and non-petroleum spills.

Date of Government Version: 04/28/2025
Date Data Arrived at EDR: 04/30/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/28/2025
Date Data Arrived at EDR: 04/30/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/29/2025
Date Data Arrived at EDR: 04/30/2025
Date Made Active in Reports: 07/17/2025
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: No Update Planned

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 02/20/2025
Date Data Arrived at EDR: 02/21/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 75

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
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: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 06/11/2024
Date Data Arrived at EDR: 06/12/2024
Date Made Active in Reports: 06/27/2024
Number of Days to Update: 15

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/03/2025
Next Scheduled EDR Contact: 09/22/2025
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 03/06/2025
Date Data Arrived at EDR: 03/07/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 76

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/03/2025
Next Scheduled EDR Contact: 09/22/2025
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/17/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/17/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 05/05/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 83

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/29/2025
Date Data Arrived at EDR: 05/29/2025
Date Made Active in Reports: 06/18/2025
Number of Days to Update: 20

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/28/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

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

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/25/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 71

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/23/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2024
Date Data Arrived at EDR: 01/15/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 72

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

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

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/02/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 07/30/2025
Number of Days to Update: 84

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

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

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/25/2025
Date Data Arrived at EDR: 05/07/2025
Date Made Active in Reports: 07/28/2025
Number of Days to Update: 82

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
A listing of properties that fall within a Maher Ordinance, for all of San Francisco. The Maher Ordinance requires San Francisco Department of Public Health (DPH) oversight for the characterization and mitigation of hazardous substances found in soil, soil vapor, and groundwater in areas designated within the Maher map. The Maher map includes areas with current or historical industrial use or zoning; areas within 100 feet of current or historical underground tanks; filled former Bay, marsh, or creek areas; or areas within 150 feet of a current or former elevated highway. City of San Francisco Planning.

Date of Government Version: 04/13/2025
Date Data Arrived at EDR: 04/15/2025
Date Made Active in Reports: 07/07/2025
Number of Days to Update: 83

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/14/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/03/2025
Next Scheduled EDR Contact: 09/22/2025
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

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

Date of Government Version: 05/07/2025
Date Data Arrived at EDR: 05/08/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 82

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
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: 05/28/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 05/28/2025
Next Scheduled EDR Contact: 09/15/2025
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 08/05/2025
Number of Days to Update: 77
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

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

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

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

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Varies

SITE MIT SANTA CRUZ: Site Mitigation Santa Cruz County List
Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
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: 08/05/2025
Next Scheduled EDR Contact: 11/24/2025
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/10/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/10/2025
Next Scheduled EDR Contact: 09/29/2025
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/01/2025
Next Scheduled EDR Contact: 10/20/2025
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 11/05/2024
Date Data Arrived at EDR: 11/20/2024
Date Made Active in Reports: 02/13/2025
Number of Days to Update: 85

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 02/11/2025
Date Data Arrived at EDR: 02/12/2025
Date Made Active in Reports: 05/02/2025
Number of Days to Update: 79

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/05/2025
Next Scheduled EDR Contact: 11/10/2025
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/09/2025
Date Data Arrived at EDR: 04/10/2025
Date Made Active in Reports: 06/27/2025
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 07/22/2025
Next Scheduled EDR Contact: 11/10/2025
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: 07/08/2025
Next Scheduled EDR Contact: 10/27/2025
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: 04/01/2025
Date Data Arrived at EDR: 04/16/2025
Date Made Active in Reports: 07/07/2025
Number of Days to Update: 82

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/14/2025
Next Scheduled EDR Contact: 10/27/2025
Data Release Frequency: Quarterly

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

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/17/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: No Update Planned

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

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/29/2025
Next Scheduled EDR Contact: 11/17/2025
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: 04/01/2025
Date Data Arrived at EDR: 04/09/2025
Date Made Active in Reports: 04/23/2025
Number of Days to Update: 14

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/14/2025
Next Scheduled EDR Contact: 10/27/2025
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: 01/27/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/23/2025
Number of Days to Update: 80

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/30/2025
Next Scheduled EDR Contact: 09/15/2025
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: 03/19/2025
Date Data Arrived at EDR: 03/25/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 3

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/17/2025
Next Scheduled EDR Contact: 10/06/2025
Data Release Frequency: Annually

YUBA COUNTY:

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

Date of Government Version: 04/17/2025
Date Data Arrived at EDR: 04/17/2025
Date Made Active in Reports: 07/09/2025
Number of Days to Update: 83

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/15/2025
Next Scheduled EDR Contact: 11/03/2025
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: 05/04/2025
Date Data Arrived at EDR: 05/06/2025
Date Made Active in Reports: 07/21/2025
Number of Days to Update: 76

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 07/31/2025
Next Scheduled EDR Contact: 11/17/2025
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: 06/23/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/17/2025
Next Scheduled EDR Contact: 11/03/2025
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/01/2025
Next Scheduled EDR Contact: 10/20/2025
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 05/28/2025
Next Scheduled EDR Contact: 09/15/2025
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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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

THE RESERVE
5820 ROCKLIN ROAD
LOOMIS, CA 95650

TARGET PROPERTY COORDINATES

Latitude (North):	38.786442 - 38° 47' 11.19''
Longitude (West):	121.19491 - 121° 11' 41.68''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	656784.3
UTM Y (Meters):	4294418.0
Elevation:	367 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50005985 ROCKLIN, CA
Version Date:	2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

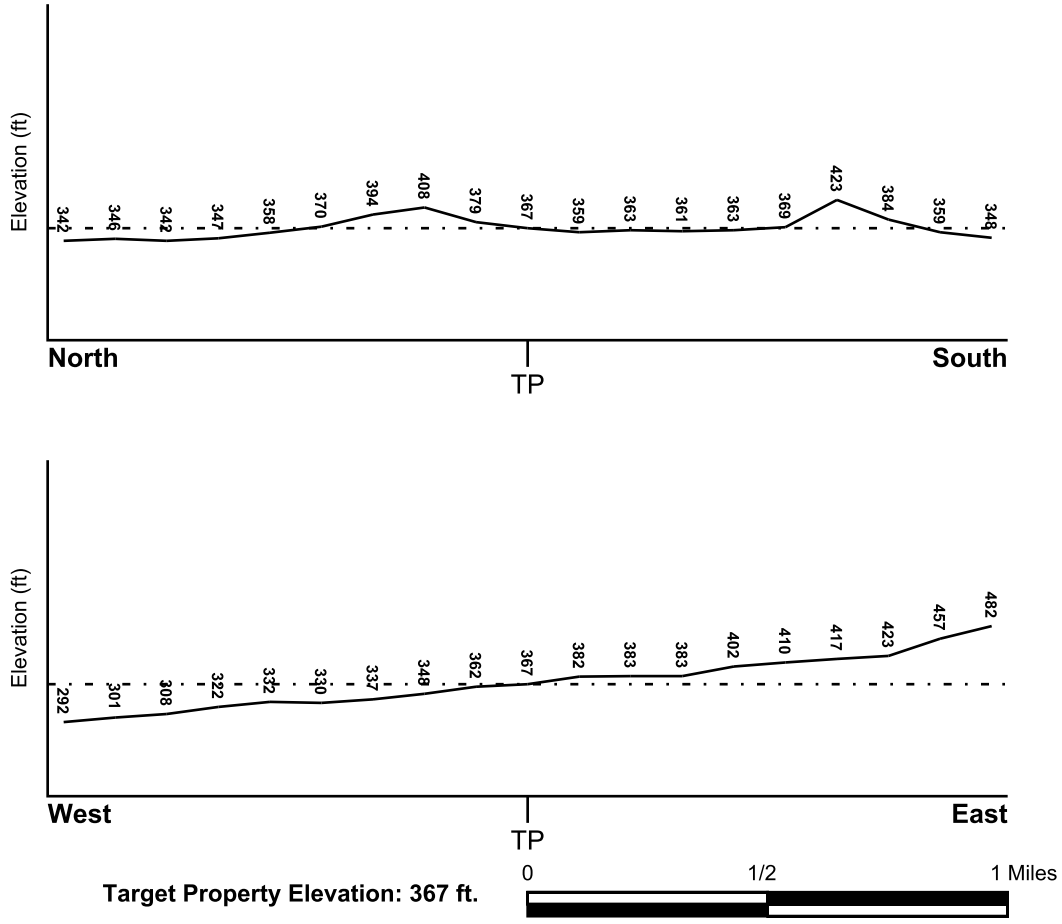
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
0602390481D	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
0602420005C	FEMA Q3 Flood data
0602390418D	FEMA Q3 Flood data
0602420010C	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
ROCKLIN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

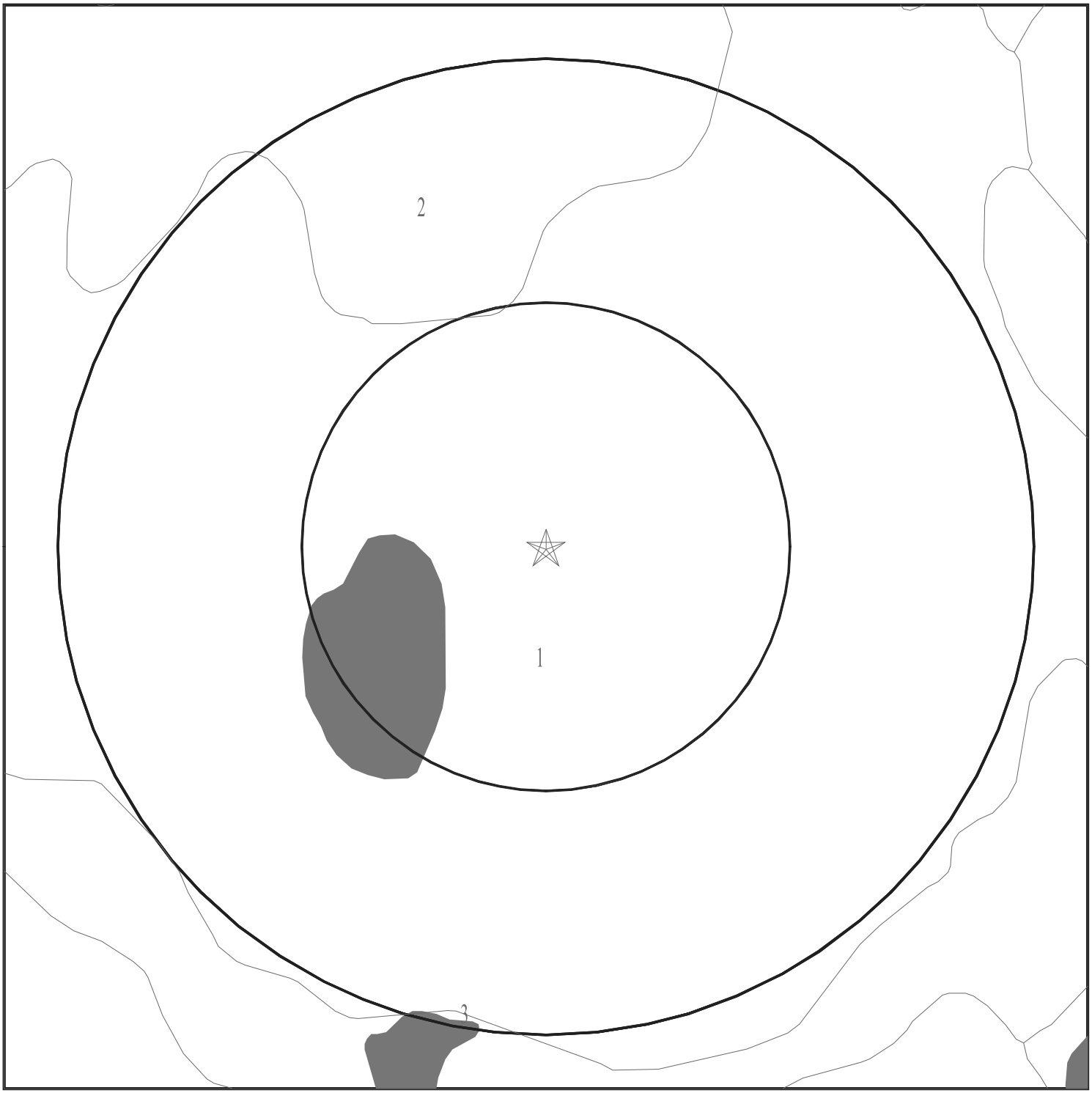
Era:	Mesozoic
System:	Jurassic
Series:	Jurassic
Code:	Jg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Jurassic granitic rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 8070886.2s



☆ Target Property
SSURGO Soil
Water

SITE NAME:	The Reserve	CLIENT:	Youngdahl Consulting Group
ADDRESS:	5820 Rocklin Road Loomis CA 95650	CONTACT:	Nancy M Malaret
LAT/LONG:	38.786442 / 121.19491	INQUIRY #:	8070886.2s
		DATE:	August 06, 2025 7:09 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: ANDREGG

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	14 inches	29 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	29 inches	33 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: ANDREGG

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	14 inches	29 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	29 inches	33 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Xerofluvents

Soil Surface Texture: stratified loamy sand to fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 111 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	stratified loamy sand to fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 7.9
2	14 inches	37 inches	stratified loamy sand to fine sandy loam to silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 7.9
3	37 inches	55 inches	stratified loam to silty clay loam to clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000190223	1/4 - 1/2 Mile North
A4	USGS40000190209	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	CADWR0000037505	1/4 - 1/2 Mile West
A3	CAUSGSN00002172	1/2 - 1 Mile West
B5	CAUSGSN00015436	1/2 - 1 Mile SE
B6	CAUSGS000000445	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 8070886.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	The Reserve	CLIENT:	Youngdahl Consulting Group
ADDRESS:	5820 Rocklin Road Loomis CA 95650	CONTACT:	Nancy M Malaret
		INQUIRY #:	8070886.2s
LAT/LONG:	38.786442 / 121.19491	DATE:	August 06, 2025 7:09 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
North
1/4 - 1/2 Mile
Higher | **FED USGS** | **USGS40000190223**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N007E21A001M	Type:	Well
Description:	Not Reported	HUC:	18020111
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19761110
Well Depth:	145	Well Depth Units:	ft
Well Hole Depth:	150	Well Hole Depth Units:	ft

2
West
1/4 - 1/2 Mile
Lower | **CA WELLS** | **CADWR0000037505**

Well ID:	11N07E21M001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N07E21M001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N07E21M001M&store_num=		
GeoTracker Data:	Not Reported		

A3
West
1/2 - 1 Mile
Lower | **CA WELLS** | **CAUSGSN00002172**

Well ID:	USGS-384708121121801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-384708121121801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-384708121121801&store_num=		
GeoTracker Data:	Not Reported		

A4
West
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40000190209**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N007E21M001M	Type:	Well
Description:	Not Reported	HUC:	18020111
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Other aquifers	Formation Type:	Basement Complex of Pretertiary Age
Aquifer Type:	Not Reported	Construction Date:	19770817
Well Depth:	247	Well Depth Units:	ft

Well Hole Depth:	247	Well Hole Depth Units:	ft
Ground water levels,Number of Measurements:	1	Level reading date:	1982-07-21
Feet below surface:	2.91	Feet to sea level:	Not Reported
Note:	The site had been pumped recently.		

B5
SE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00015436**

Well ID:	USGS-384643121111301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-384643121111301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-384643121111301&store_num=		
GeoTracker Data:	Not Reported		

B6
SE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGS000000445**

GAMA:

Well ID:	S6-MCAW-N01	Well Type:	MUNICIPAL
Source:	United States Geological Survey		
Other Names:	S6-MCAW-N01	GAMA Pfas testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGS&samp_date=&global_id=&assigned_name=S6-MCAW-N01&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95650	17	0

Federal EPA Radon Zone for PLACER County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95650

Number of sites tested: 6

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.817 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

Geothermal Wells Listing
Department of Conservation
Telephone: 916-445-9686
Geothermal well means a well constructed to extract or return water to the ground after it has been used for heating or cooling purposes. Geothermal wells in California (except for wells on federal leases which are administered by the Bureau of Land Management) are permitted, drilled, operated, and permanently sealed and closed (plugged and abandoned) under requirements and procedures administered by the Geothermal Section of the Department of Conservations Geologic Energy Management Division (CalGEM, formerly DOGGR).

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D
EDR Vapor Encroachment Screen

The Reserve
5820 Rocklin Road
Loomis, CA 95650

Inquiry Number: 8070886.2s
August 15, 2025

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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

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Secondary Map	3
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	0	0	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	0	0	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

THE RESERVE
5820 ROCKLIN ROAD
LOOMIS, CA 95650

COORDINATES

Latitude (North):	38.786442 - 38° 47′ 11.190491″
Longitude (West):	121.19491 - 121° 11′ 41.66931″
Elevation:	367 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page

Not Reported

PRIMARY MAP - 8070886.2S



0 300 1/3 1/2 Miles

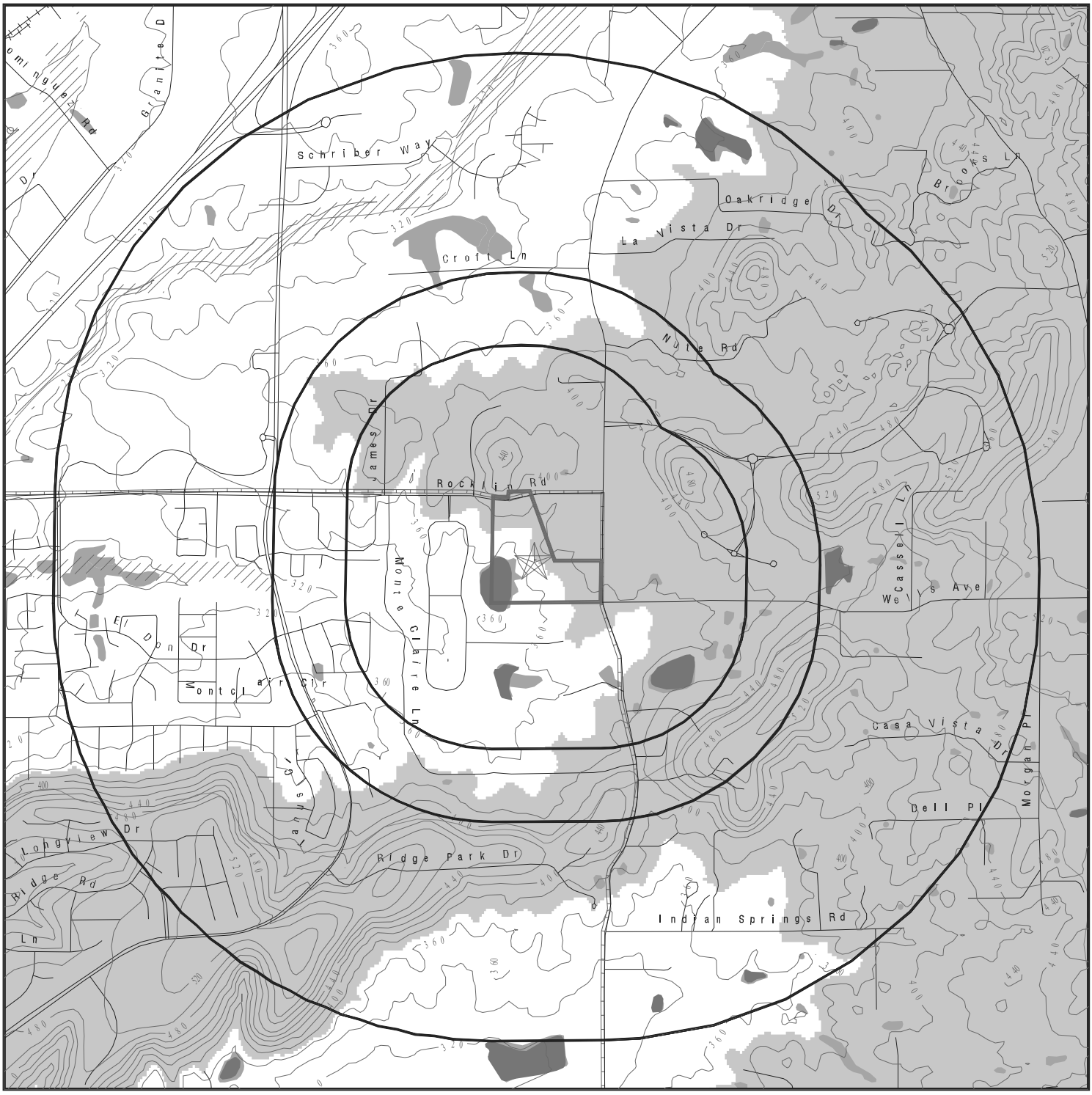
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

SITE NAME:	The Reserve	CLIENT:	Youngdahl Consulting Group
ADDRESS:	5820 Rocklin Road Loomis CA 95650	CONTACT:	Nancy M Malaret
LAT/LONG:	38.786442 / 121.19491	INQUIRY #:	8070886.2s
		DATE:	August 06, 2025 7:08 pm

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SECONDARY MAP - 8070886.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

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

SITE NAME: The Reserve ADDRESS: 5820 Rocklin Road Loomis CA 95650 LAT/LONG: 38.786442 / 121.19491	CLIENT: Youngdahl Consulting Group CONTACT: Nancy M Malaret INQUIRY #: 8070886.2s DATE: August 06, 2025 7:08 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**			EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range Relative Elevation	(Distance feet / miles) Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:

Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	06/26/2025	07/01/2025	07/17/2025
US	Proposed NPL	Proposed National Priority List Sites	EPA	06/26/2025	07/01/2025	07/17/2025
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	06/26/2025	07/01/2025	07/17/2025
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	06/02/2025	06/03/2025	06/16/2025
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	03/11/2025	04/02/2025	06/24/2025
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	05/19/2025	05/20/2025	07/29/2025
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	05/19/2025	05/20/2025	07/29/2025
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/10/2025	06/12/2025	06/16/2025
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	04/21/2025	04/22/2025	07/09/2025
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	04/21/2025	04/22/2025	07/09/2025
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	05/05/2025	05/06/2025	07/28/2025
State and tribal leaking storage tank lists						
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	07/11/2025
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	01/07/2025	01/16/2025	04/07/2025
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	01/07/2025	01/16/2025	04/07/2025
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	11/18/2024	01/16/2025	04/07/2025
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	07/11/2025
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
	State and tribal registered storage tank lists					
CA	UST	Active UST Facilities	SWRCB	03/03/2025	03/04/2025	05/22/2025
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	05/13/2025	05/22/2025	05/27/2025
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	02/24/2025	02/24/2025	02/26/2025
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/08/2024	01/16/2025	04/07/2025
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/15/2024	01/16/2025	04/07/2025
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	01/07/2025	01/16/2025	04/07/2025
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/18/2024	01/16/2025	04/07/2025
US	FEMA UST	Underground Storage Tank Listing	FEMA	04/08/2025	04/23/2025	04/24/2025
	State and tribal voluntary cleanup sites					
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	04/21/2025	04/22/2025	07/09/2025

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	03/17/2025	03/18/2025	05/30/2025
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2025	05/02/2025	07/17/2025
US	ROD	Records Of Decision	EPA	04/25/2025	05/01/2025	05/21/2025
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	06/26/2025	07/01/2025	07/17/2025
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	03/03/2025	03/04/2025	05/22/2025
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	04/25/2025	05/07/2025	07/29/2025
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/02/2025	06/03/2025	06/16/2025
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2023	10/16/2024	01/14/2025
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	12/31/2024	02/20/2025	04/29/2025
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	06/26/2025	07/01/2025	07/17/2025
US	Delisted NPL	National Priority List Deletions	EPA	06/26/2025	07/01/2025	07/17/2025
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	06/26/2025	07/01/2025	07/17/2025
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/11/2025	06/12/2025	06/16/2025
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	03/31/2025	04/22/2025	07/17/2025
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	12/31/2024	02/20/2025	04/29/2025
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/09/2024	09/11/2024	12/06/2024
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	07/23/2025	07/23/2025	07/29/2025
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	05/15/2025	05/15/2025	07/29/2025
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	04/01/2025	04/02/2025	06/24/2025
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/01/2025	05/20/2025	07/29/2025
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/02/2024	08/20/2024	10/09/2024
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	06/26/2025	07/01/2025	07/29/2025
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2023	02/11/2025	02/18/2025
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	04/14/2025	04/15/2025	07/08/2025
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	07/01/2024	10/02/2024	01/10/2025
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	05/07/2025	05/07/2025	06/03/2025
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	04/22/2025	05/05/2025	05/21/2025
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	04/05/2025	04/11/2025	07/08/2025
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2023	02/19/2025	03/07/2025
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	02/07/2024	11/13/2024	11/19/2024
US	ABANDONED MINES	Abandoned Mines	Department of Interior	05/28/2025	05/28/2025	06/03/2025
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2022	03/21/2024	06/12/2024
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	02/28/2025	04/18/2025	07/09/2025
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	03/17/2025	03/18/2025	05/30/2025
CA	CUPA LIV-PLE	CUPA Facility Listing	Livermore-Pleasanton Fire Department	09/19/2024	11/05/2024	01/31/2025
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	02/24/2025	02/25/2025	05/07/2025
CA	DRYCLEAN N SIERRA	Northern Sierra Air Quality Management District Drycleaner F	Northern Sierra Air Quality Management Distri	08/22/2024	08/22/2024	11/05/2024
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	05/14/2025	05/20/2025	08/05/2025
CA	DRYCLEAN AMADOR	Amador Air District Drycleaner Facility Listing	Amador Air Quality Management District	04/26/2023	04/27/2023	07/13/2023
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	02/20/2025	02/26/2025	03/28/2025
CA	DRYCLEAN MOJAVE	Mojave Desert Air Quality Management District Drycleaner Fac	Mojave Desert Air Quality Management District	05/02/2025	05/02/2025	07/18/2025
CA	DRYCLEAN EAST KERN	Eastern Kern Air Pollution Control District District Dryclea	Eastern Kern Air Pollution Control District	08/21/2024	08/22/2024	11/05/2024
CA	DRYCLEAN BUTTE	Butte County Air Quality Management DistrictDrycleaner Facil	Butte County Air Quality Management District	04/03/2025	05/07/2025	07/29/2025
CA	DRYCLEAN MONTERY BAY	Monterey Bay Air Quality Management District Drycleaner Faci	Monterey Bay Air Quality Management District	04/15/2025	05/07/2025	07/29/2025
CA	DRYCLEAN SAN LUIS OB	San Luis Obispo County Air Pollution Control District Drycle	San Luis Obispo County Air Pollution Control	05/02/2025	05/07/2025	07/29/2025
CA	DRYCLEAN VENTURA	Drycleaner Facility Listing	Ventura County Air Pollution Control District	05/05/2025	05/07/2025	07/29/2025
CA	DRYCLEAN YOLO-SOLANO	Yolo-Solano Air Quality Management District Drycleaner Facil	Yolo-Solano Air Quality Management District	05/15/2025	05/15/2025	07/29/2025
CA	DRYCLEAN GLENN	Glenn County Air Pollution Control District Drycleaner Facil	Glenn County Air Pollution Control District	08/26/2024	08/28/2024	11/13/2024
CA	DRYCLEAN FEATHER RVR	Feather River Air Quality Management District Drycleaner Fac	Feather River Air Quality Management District	03/08/2023	03/09/2023	06/05/2023
CA	DRYCLEAN N SONOMA	Norther Sonoma County County Air Pollution Control District	Santa Barbara County Air Pollution Control Di	08/23/2024	08/26/2024	11/05/2024
CA	DRYCLEAN SAN DIEGO	San Diego County Air Pollution Control District Drycleaner F	San Diego County Air Pollution Control Distri	05/02/2025	05/08/2025	07/28/2025
CA	DRYCLEAN GRANT	Grant Recipients List	California Air Resources Board	12/31/2021	01/26/2024	04/16/2024
CA	DRYCLEAN SAN JOAQUIN	San Joaquin Valley Air Pollution Control District District D	San Joaquin Valley Air Pollution Control Dist	05/05/2025	05/07/2025	07/28/2025
CA	DRYCLEAN LAKE	Lake County Air Quality Management District Drycleaner Facil	Lake County Air Quality Management District	02/15/2024	02/16/2024	05/02/2024
CA	DRYCLEAN MENDOCINO	Mendocino County Air Quality Management District Drycleaner	Mendocino County Air Quality Management Distr	08/26/2024	09/03/2024	11/13/2024
CA	DRYCLEAN SACRAMENTO	Sacramento Metropolitan Air Quality Management DistrictDrycl	Sacramento Metropolitan Air Quality Managemen	09/03/2024	09/05/2024	11/13/2024
CA	DRYCLEAN IMPERIAL	Imperial County Air Pollution Control District Drycleaner Fa	Imperial County Air Pollution Control Distric	10/02/2024	10/03/2024	12/20/2024
CA	DRYCLEAN PLACER	Placer County Air Quality Management District Drycleaner Fac	Placer County Air Quality Management District	05/15/2023	05/17/2023	08/14/2023
CA	DRYCLEAN BAY AREA	Bay Area Air Quality Management District Drycleaner Facility	Bay Area Air Quality Management District	02/20/2019	05/30/2019	05/01/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	DRYCLEAN CALAVERAS	Calaveras County Environmental Management Agency Drycleaner	Calaveras County Environmental Management Age	06/17/2019	06/19/2019	05/01/2023
CA	DRYCLEAN N COAST	North Coast Unified Air Quality Management District Dryclean	North Coast Unified Air Quality Management Di	11/30/2016	04/19/2019	05/01/2023
CA	DRYCLEAN SANTA BARB	Santa Barbara County Air Pollution Control District Dryclean	Santa Barbara County Air Pollution Control Di	02/19/2019	04/17/2019	05/01/2023
CA	DRYCLEAN TEHAMA	Tehama County Air Pollution Control District Drycleaner Faci	Tehama County Air Pollution Control District	04/24/2019	04/24/2019	05/01/2023
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	05/22/2025	05/22/2025	05/30/2025
CA	DRYCLEAN SHASTA	Shasta County Air Quality Management District District Drycl	Shasta County Air Quality Management District	08/29/2024	09/05/2024	11/13/2024
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2023	03/11/2025	05/23/2025
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	04/14/2025	04/15/2025	06/27/2025
CA	FIN ASSURANCE 1	Financial Assurance Information Listing	Department of Toxic Substances Control	04/09/2025	04/10/2025	07/02/2025
CA	FIN ASSURANCE 2	Financial Assurance Information Listing	California Integrated Waste Management Board	05/08/2025	05/13/2025	07/30/2025
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	05/19/2025	05/20/2025	08/05/2025
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2024	01/03/2025	03/19/2025
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	05/12/2025	05/13/2025	07/30/2025
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	03/31/2025	04/01/2025	06/20/2025
CA	ICE	Inspection, Compliance and Enforcement	Department of Toxic Subsances Control	05/12/2025	05/13/2025	07/30/2025
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	06/02/2025	06/02/2025	07/11/2025
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	02/20/2025	02/21/2025	05/07/2025
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	07/11/2025
CA	MINES	Mines Site Location Listing	Department of Conservation	03/03/2025	03/04/2025	05/21/2025
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	01/02/2025	02/25/2025	05/07/2025
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	05/05/2025	05/06/2025	07/28/2025
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	02/24/2025	02/25/2025	05/07/2025
CA	PROC	Certified Processors Database	Department of Conservation	03/03/2025	03/04/2025	05/22/2025
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	03/05/2025	03/06/2025	05/22/2025
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	11/03/2020	11/05/2020	01/26/2021
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	04/21/2025	04/22/2025	07/09/2025
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	02/27/2025	03/04/2025	05/22/2025
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	07/19/2024	07/30/2024	08/28/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	03/31/2025	04/02/2025	05/05/2025
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	03/23/2025	04/02/2025	05/05/2025
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	03/07/2025	04/02/2025	05/05/2025
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	02/24/2025	02/24/2025	02/26/2025
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	02/24/2025	02/24/2025	02/26/2025
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	02/24/2025	02/24/2025	02/26/2025
CA	CERS HAZ WASTE	California Environmental Reporting System Hazardous Waste	CalEPA	04/14/2025	04/15/2025	07/07/2025
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	04/14/2025	04/15/2025	07/07/2025
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	05/06/2025	05/06/2025	05/07/2025
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/15/2024	03/06/2025	06/03/2025
US	UXO	Unexploded Ordnance Sites	Department of Defense	02/14/2025	03/11/2025	06/03/2025
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	03/23/2025	03/27/2025	06/24/2025

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	02/24/2025	02/24/2025	02/26/2025
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	02/24/2025	02/24/2025	02/26/2025
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	02/24/2025	02/24/2025	02/26/2025
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/24/2025	04/02/2025	05/21/2025
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	03/03/2025	04/02/2025	05/21/2025
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/24/2025	04/02/2025	05/21/2025
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	03/03/2025	03/04/2025	05/22/2025
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	02/24/2025	02/24/2025	02/26/2025
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	02/24/2025	02/24/2025	02/26/2025
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	04/13/2025	04/15/2025	07/08/2025
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	03/24/2025	04/02/2025	05/21/2025
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	11/20/2024	12/18/2024	12/20/2024
US	MINES MRDS	Mineral Resources Data System	USGS	06/04/2024	11/22/2024	02/18/2025
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	03/03/2025	03/04/2025	05/23/2025
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	05/07/2025	05/13/2025	07/29/2025
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	03/03/2025	03/04/2025	05/21/2025
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	03/24/2025	04/02/2025	04/29/2025
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	03/31/2025	04/02/2025	05/05/2025
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	03/31/2025	04/02/2025	05/05/2025
CA	CHROME PLATING	Chrome Plating Facilities Listing	State Water Resources Control Board	03/03/2025	03/04/2025	05/21/2025
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	03/24/2025	04/02/2025	05/21/2025
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	04/14/2025	04/15/2025	07/07/2025
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	02/17/2025	02/19/2025	03/14/2025

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	12/26/2023	12/26/2023	03/19/2024
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	04/27/2023	04/27/2023	07/13/2023
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	03/17/2025	03/19/2025	05/30/2025
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	04/06/2020	04/23/2020	07/10/2020
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	04/17/2025	04/18/2025	07/09/2025
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	02/05/2025	02/12/2025	05/02/2025
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	08/08/2022	08/09/2022	09/01/2022
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	06/28/2021	12/21/2021	03/03/2022
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	08/12/2021	08/12/2021	11/08/2021
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	04/09/2025	04/10/2025	07/02/2025
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	CUPA KERN	CUPA Facility List	Kern County Public Health	04/30/2025	05/01/2025	07/17/2025
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	04/30/2025	05/01/2025	07/17/2025
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	12/03/2020	01/26/2021	04/14/2021
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	01/28/2025	01/29/2025	04/15/2025
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	07/31/2020	08/21/2020	11/09/2020
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	04/09/2025	04/10/2025	07/02/2025
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	04/07/2025	04/08/2025	07/02/2025
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	12/31/2023	10/03/2024	12/17/2024
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	05/14/2024	07/09/2024	09/27/2024
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	03/03/2025	03/18/2025	05/30/2025
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	03/03/2025	03/18/2025	05/30/2025
CA	SITE MIT LOS ANGELES	Site Mitigation LA County List	Community Health Services	01/31/2025	04/15/2025	07/07/2025
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	04/10/2025	04/11/2025	06/26/2025
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	08/10/2020	08/12/2020	10/23/2020
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	09/22/2021	11/18/2021	11/22/2021
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	05/12/2025	05/14/2025	06/16/2025
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/22/2021	03/02/2021	05/19/2021
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	03/27/2025	03/27/2025	06/20/2025
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	09/05/2019	09/09/2019	10/31/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	04/24/2025	04/25/2025	07/17/2025
CA	IND_SITE ORANGE	List of Industrial Site Cleanups Orange County	Health Care Agency	04/28/2025	04/30/2025	07/17/2025
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	04/28/2025	04/30/2025	07/17/2025
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	04/29/2025	04/30/2025	07/17/2025
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	02/20/2025	02/21/2025	05/07/2025
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	06/11/2024	06/12/2024	06/27/2024
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	03/06/2025	03/07/2025	05/22/2025
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	11/07/2022	12/21/2022	03/16/2023
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	11/07/2022	12/09/2022	03/01/2023
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	05/05/2025	05/07/2025	07/29/2025
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	05/29/2025	05/29/2025	06/18/2025
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	02/24/2025	02/25/2025	05/07/2025
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	10/01/2024	01/15/2025	03/28/2025
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	07/22/2021	10/19/2021	01/13/2022
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	05/02/2025	05/07/2025	07/30/2025
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	04/25/2025	05/07/2025	07/28/2025
CA	SAN FRANCISCO MAHER	Maher Ordinance Property Listing	San Francisco Planning	04/13/2025	04/15/2025	07/07/2025
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	05/07/2025	05/08/2025	07/29/2025
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	02/20/2020	02/20/2020	04/24/2020
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	05/16/2025	05/20/2025	08/05/2025
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	SITE MIT SANTA CRUZ	Site Mitigation Santa Cruz County List	Santa Cruz Environmental Health Services	12/03/2018	06/23/2023	07/13/2023
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	09/15/2021	09/16/2021	12/09/2021
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	07/02/2021	07/06/2021	07/14/2021
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	06/30/2021	06/30/2021	09/24/2021
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/08/2022	02/10/2022	05/04/2022
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	11/05/2024	11/20/2024	02/13/2025
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	02/11/2025	02/12/2025	05/02/2025
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	04/09/2025	04/10/2025	06/27/2025
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	10/07/2022	10/07/2022	12/21/2022
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	04/01/2025	04/16/2025	07/07/2025
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	04/01/2025	04/09/2025	04/23/2025
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	01/27/2025	03/04/2025	05/23/2025
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	03/19/2025	03/25/2025	03/28/2025
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	04/17/2025	04/17/2025	07/09/2025

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date

STREET AND ADDRESS INFORMATION

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APPENDIX D

PHASE II ENVIRONMENTAL SITE ASSESSMENT

YOUNGDAHL CONSULTING GROUP, INC.

Premier 40, LLC
8483 Douglas Plaza Drive
Granite Bay, California 95746

Project No. E22325.004
22 October 2025

Attention: Mr. Stefan Horstschraer

Subject: **THE RESERVE**
5780 Rocklin Road, Loomis, California
Phase II Environmental Site Assessment

References:
1) Interim Guidance Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, And Polychlorinated Biphenyls from Electrical Transformers, California Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office, Revised June 2006.
2) Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs), California Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office, June 2020, Revised May 2022.
3) Duvergé, D.J., 2011, Establishing background arsenic in soil of the urbanized San Francisco Bay region, Master of Science in Geosciences, California State University San Francisco.
4) Phase I Environmental Site Assessment for The Reserve, prepared by Youngdahl Consulting Group, Inc., (Project No. E22325.002).

Dear Mr. Horstschraer:

Youngdahl Consulting Group, Inc. (Youngdahl) completed a Phase II Environmental Site Assessment (ESA) to evaluate potential impacts to soils at The Reserve (Subject Property) from historical and existing residential buildings, historical orchards, aerially deposited lead, the unknown origin of soil in a stockpile, and a pole-mounted transformer.

This Phase II ESA presents the following:

- Site Description;
- Project Background;
- Assessment Activities;
- Laboratory Analytical Results; and,
- Conclusions and Recommendations.

Site Description
The Subject Property consists of 26.29 acres of land located at 5780 Rocklin Road in Loomis, California, and is assigned Placer County Assessor's Parcel Number (APN) 045-161-033 (Figure 1). The northern portion of the Subject Property is transected east to west by Rocklin Road and is developed with a residence and Quonset hut.

Background
The Phase I ESA prepared for the Subject Property by Youngdahl (Reference 4) identified that the Subject Property was developed with two structures on the western portion and an existing

residence and a Quonset hut are located on the eastern portion. The northern portion of the Subject Property was planted with an orchard from at least 1938 until at least 1975. In addition, Rocklin Road has transected the northern portion from east to west since at least 1938. A pole-mounted transformer was observed on the northern property boundary and a soil stockpile was observed on the western portion of the Subject Property. The following recognized environmental conditions were identified for the Subject Property:

- On-site concerns were noted from the potential presence of lead from lead-based paint that may have been used in the construction and/or maintenance of the western structures and the Quonset hut on the eastern portion of the Subject Property.
- On-site concerns were noted from the potential presence of organochlorine pesticides that may have been applied as termiticides in surface soils in the vicinity of the western structures and the eastern residence.
- On-site concerns were noted from the potential presence of organochlorine pesticides, lead, and arsenic that may have been applied to the orchard on the northern portion of the Subject Property.
- There is a potential that aerially deposited lead from the historical use of leaded gasoline has impacted the soil around Rocklin Road on the northern portion of the Subject Property.
- On-site concerns were noted from the presence of a pole-mounted transformer on the northern property boundary and the potential that older transformers contained polychlorinated biphenyls (PCBs).
- On-site concerns were noted from the presence of a soil stockpile observed on the western portion of the Subject Property. The current owner of the parcel indicated that the soil was placed on the Subject Property in 2007 and originated from a site to the north. The lack of historical information regarding the origin of the soil piles is a recognized environmental condition.

Youngdahl recommended collecting soil samples to evaluate potential impacts from the RECs noted in the Phase I ESA.

Soil Sample Collection
On 29 September 2025, Youngdahl mobilized to the Subject Property to collect the proposed soil samples. Youngdahl used a high-accuracy global positioning system (GPS) to locate the soil sample locations around the locations of the two former buildings (Buildings 1 and 2; one sample on each side of each structure) that are no longer present, along Rocklin Road, and within the former orchard area. Youngdahl recorded the soil sample locations selected in the field for the existing structures (Buildings 3 and 4) and at the soil stockpile using the GPS. Youngdahl used a measuring tape to locate sample locations directly below and five feet to the east, south, and west of a pole-mounted transformer and marked each location with a pin flag (Figure 2).

Youngdahl collected soil samples from two depths, 0 to 6 inches and 24 to 30 inches below ground surface (bgs), at each building sample location. The soil samples collected from 0 to 6 inches were submitted to the laboratory for analysis of organochlorine pesticides and lead. The samples collected from 24 to 30 inches below ground surface were submitted for analysis of organochlorine pesticides. Soil samples were collected from varying depths between the surface and one-foot into the soil stockpile at eight locations. Soil samples collected from the soil stockpile were submitted to the laboratory for analysis of total petroleum hydrocarbons (TPH) as diesel and TPH as motor oil, TPH as gasoline, PCBs, organochlorine pesticides, asbestos, volatile organic

compounds, semi-volatile organic compounds, and California Assessment Manual (CAM 17) metals. Four soil samples were collected from 0 to 6 inches bgs within the former orchard area and submitted to the laboratory for analysis of lead, arsenic, and organochlorine pesticides. Eight soil samples were collected from 0 to 6 inches bgs along Rocklin Road and submitted for analysis of lead. Soil samples were collected using a trowel, soil was placed into 4-ounce glass jars which were labeled, placed into sealable plastic bags, and placed onto ice. The samples were transported under chain-of-custody protocols to California Laboratory Services, a California State Water Resources Control Board approved laboratory in Rancho Cordova, California, with ELAP No. 1233.

Analytical Results

Laboratory analysis of the structure soil samples indicated lead concentrations ranging from 3.4 milligrams per kilogram (mg/kg) to 31 mg/kg. Organochlorine pesticide concentrations in the soil samples collected in the vicinity of the structures were reported to be non-detect below reporting limits of 1.0 to 100 micrograms per kilogram (µg/kg) in all samples for 4,4'-DDD, aldrin, alpha-BHC, beta-BHC, delta-BHC, dieldrin, endosulfan I, endosulfan II, endosulfan sulfate, endrin, endrin aldehyde, gamma-BHC (Lindane), heptachlor, heptachlor epoxide, methoxychlor, mirex, and toxaphene. Chlordane concentrations ranged from non-detect below report limits of below reporting limits of 3.3 µg/kg and 17 µg/kg to a concentration of 230 µg/kg

For the samples collected from the soil stockpile, laboratory analysis indicated that semi-volatile organic compound concentrations were non-detect below reporting limits of 330 µg/kg to 830 µg/kg for all constituents in all samples. The laboratory analytical report indicated that concentrations of volatile organic compounds were non-detect below reporting limits of 5.0 µg/kg to 100 µg/kg for all constituents in all samples. The concentration of TPH as diesel was reported to be non-detect below the reporting limit of 1.0 mg/kg to 1.7 mg/kg. The TPH as motor oil concentrations ranged from non-detect below a reporting limit of 1.0 mg/kg to 7.6 mg/kg. All samples were reported to be non-detect for asbestos. The following metals were detected in the soil samples collected from the soil piles: arsenic, barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc. Concentrations of arsenic in the soil samples collected from the soil piles ranged from less than the reporting limit of 1.0 mg/kg to 1.0 mg/kg.

Laboratory analysis of the samples from beneath the pole-mounted transformer were all reported to be non-detect below a reporting limit of 20 µg/kg for all constituents in all samples.

The lead concentrations in the soil samples collected adjacent to Rocklin Road ranged from 7.0 mg/kg to 57 mg/kg.

For the soil samples collected from the former orchard area, laboratory analysis indicated that arsenic was not detected above the reporting limit of 2.0 mg/kg. Lead concentrations ranged from 8.1 mg/kg to 17 mg/kg. Organochlorine pesticide concentrations were measured to be non-detect (ND) below reporting limits of 1.0 to 100 micrograms per kilogram (µg/kg) in all samples for 4,4'-DDD, aldrin, alpha-BHC, beta-BHC, delta-BHC, dieldrin, endosulfan I, endosulfan II, endosulfan sulfate, endrin, endrin aldehyde, gamma-BHC (Lindane), heptachlor, heptachlor epoxide, methoxychlor, mirex, and toxaphene. 4,4'-DDE concentrations ranged from 7.3 µg/kg to 180 µg/kg and 4,4'-DDT concentrations ranged from non-detect below reporting limits of 3.3 µg/kg and 17 µg/kg to a concentration of 36 µg/kg.

The laboratory analytical report is attached to this report.

Screening levels
California Department of Toxic Substances Control (DTSC) has developed the Human Health Risk Assessment (HHRA) Note 3 that presents recommended screening levels for constituents in soil (Reference 2). None of the samples had lead concentrations exceeding the residential DTSC screening level for lead, 80 mg/kg. Organochlorine pesticides, semi-volatile organic compounds, volatile organic compounds, TPH as diesel, TPH as motor oil, TPH as gasoline, CAM 17 metals, and PCBs were all reported to be below the screening levels for all constituents in each sample.

Laboratory analysis of the agricultural field soil samples for arsenic indicated concentrations of arsenic up to 1.0 mg/kg, which exceeds the residential environmental screening level of 0.032 mg/kg. Arsenic is naturally present in soil, and the US Environmental Protection Agency (USEPA) and DTSC typically do not require site mitigation for concentrations at or below naturally occurring background levels. Studies in California have been conducted in an attempt to establish background arsenic in soil. Duvergé (2011; Reference 3) evaluated 1,454 soil samples at 77 sites across nine counties and found background arsenic concentrations in the San Francisco Bay region to be on the order of 11 mg/kg. It was noted that these findings are "markedly lower than commonly cited sources in the literature (Duvergé, 2011)." The concentrations of arsenic detected in soil samples are within expected background concentrations.

Quality Assurance/Quality Control
California Laboratory Services, Inc. performed quality control testing including surrogate compounds, blank samples, matrix spike samples, and matrix spike duplicate samples. Some of the results were outside of recovery acceptance limits or had matrix interference. The results were found to be acceptable based on acceptable laboratory control sample recoveries. Some surrogates and blanks were outside of their respective control limits. The samples were not reanalyzed because the analyte associated with the surrogate was not detected.

Findings and Recommendations
We are of the opinion that no further environmental action is required at the Subject Property.

Limitations and Uniformity of Conditions
1. This report has been prepared for the use of Premier 40, LLC and their clients, and for specific application to the property located at 5780 Rocklin Road, Placer County APN 045-161-033 in Loomis, California. Youngdahl Consulting Group, Inc. has endeavored to comply with generally accepted environmental geology practice common to the local area. Youngdahl Consulting Group, Inc. makes no other warranty, express or implied.

2. As of the present date, the findings of this report are valid for the property studied within the constraints of the data that was reviewed and the specific sampling locations and laboratory analyses completed. With the passage of time, changes in the conditions of a property can occur whether they are due to natural processes or to the works of man on this or adjacent properties. Legislation or the broadening of knowledge may result in changes in applicable standards. Changes outside of our control may cause this report to be invalid, wholly or partially. Therefore, this report should not be relied upon after a period of three years without our review nor should it be used or is it applicable for any properties other than those studied.

3. The analyses and recommendations contained in this report are based on limited windows into the subsurface conditions and data obtained from subsurface exploration. The methods used indicate subsurface conditions only at the specific locations where samples

were obtained, only at the time they were obtained, and only to the depths penetrated. Samples cannot be relied on to accurately reflect the strata variations that usually exist between sampling locations. Should any variations or undesirable conditions be encountered during the development of the site, Youngdahl Consulting Group, Inc. will provide supplemental recommendations as dictated by the field conditions.

Closure

Thank you for allowing us the opportunity to participate on this project. Please feel free to contact the undersigned with any comments or questions.

Very truly yours,
Youngdahl Consulting Group, Inc.

Reviewed By:

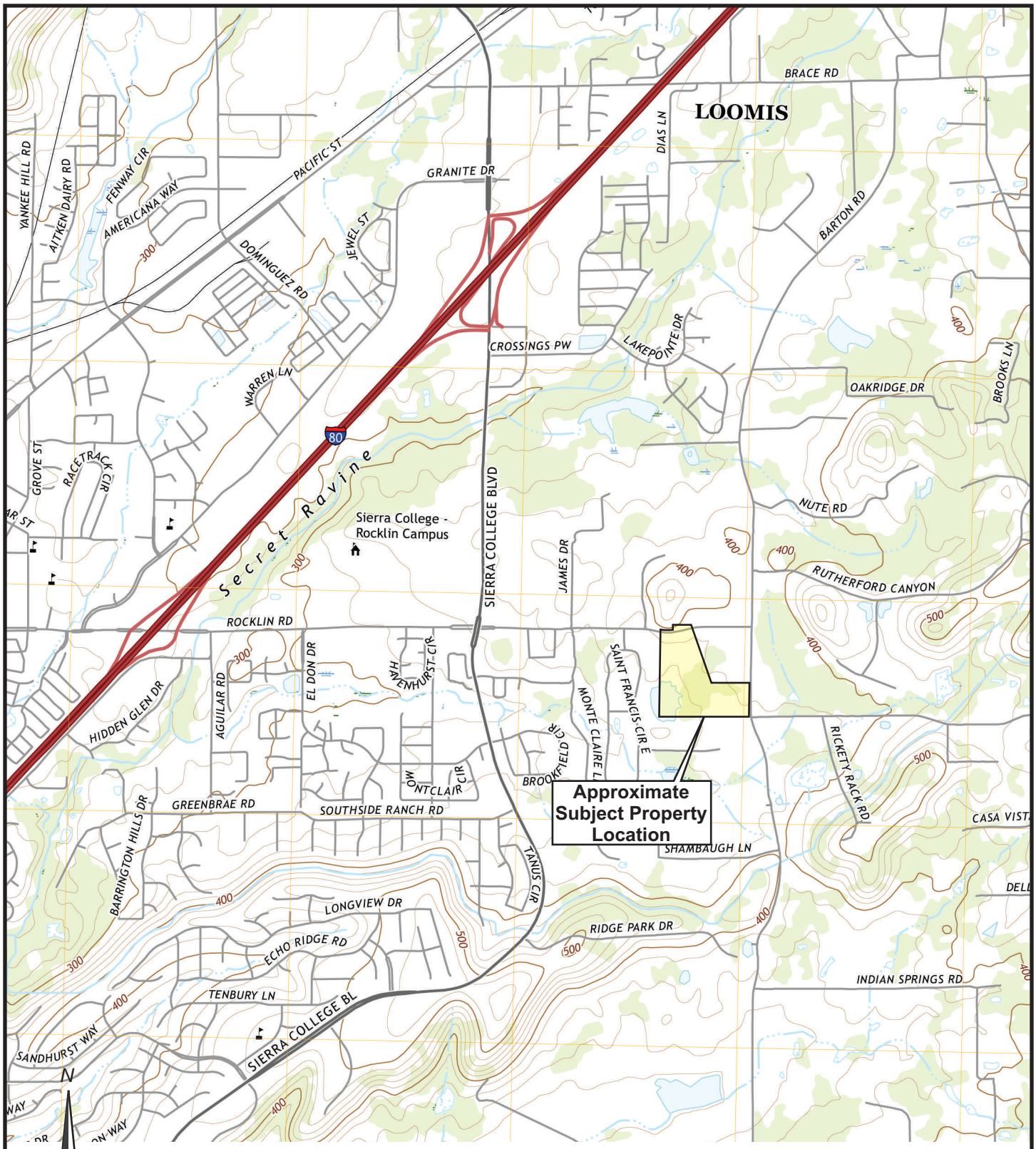
CERTIFIED ENGINEERING GEOLOGIST
DAVID C. SEDERQUIST
NO. 2133
EXPIRATION DATE
9-30-26
STATE OF CALIFORNIA

Nancy M. Malaret
Environmental Project Manager

David C. Sederquist, C.E.G., C.HG.
Senior Engineering Geologist/Hydrogeologist
10-23-25

Attachments:
Figure 1 – Vicinity Map
Figure 2 – Site Plan
Laboratory Report

Figures



N

1 0 ½ 0 1 Mile

1000 0 1000 3000 4000 5000 6000 7000 Feet

Scale: 1:24,000

BASE MAP REFERENCE: *U.S.G.S. 7.5 Minute Topographic Series, Rocklin Quadrangle, Dated 2021*

YOUNGDAHL CONSULTING GROUP, INC.
ESTABLISHED 1984

Project No.: E22325.003

October 2025

VICINITY MAP

The Reserve Phase II ESA
Loomis, California

FIGURE 1



REFERENCE: *Overlaid onto Google Earth, Aerial Dated 02/18/2022*

YOUNGDAHL CONSULTING GROUP, INC. Celebrating 40 Years of Service	Project No.: E22325.004 **October 2025**	**SITE PLAN** **The Reserve Phase II ESA** Loomis, California	**FIGURE** 2

Laboratory Report

CALIFORNIA LABORATORY SERVICES
Committed. Responsive. Flexible.

October 07, 2025

CLS Work Order #: 25I1400
COC #:

Nancy Malaret
Youngdahl & Associates
1234 Glenhaven Court
El Dorado Hills, CA 95762

Project Name: The Reserve Phase II ESA

Enclosed are the results of analyses for samples received by the laboratory on 09/29/25 12:31. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

Daniel Johnson
Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

CHAIN OF CUSTODY

CLS ID No.: 251400

LOG

REPORT TO:

NAME AND ADDRESS: Youngdahl Consulting Group
1234 Glenhaven Court
El Dorado Hills, CA 95762
PROJECT MANAGER: Nancy Malaret PHONE#: (916) 933-0633
PROJECT NAME: The Reserve Phase II ESA
SAMPLED BY: ARD/NMM/TPG
JOB DESCRIPTION: Soil Sampling
SITE LOCATION: 5780 Rocklin Road, Loomis, CA

CLIENT JOB NUMBER: E22325.003

DESTINATION LABORATORY:
☐ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA. 95742
☐ OTHER

GEOTRACKER:
EDF REPORT ☐ YES ☐ NO
GLOBAL ID:

CDPH WRITE ON EDT TRANSMISSION? ☐ YES ☐ NO
STATE SYSTEM NUMBER
IF "YES" PLEASE ENTER THE SOURCE NUMBER(S).

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	OCPs (EPA 8081A)	Lead (EPA 6020)	Arseinc (EPA 6020)	PCBs (EPA 8082)	TURN AROUND TIME 1 DAY	2 DAY	3 DAY	5 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
9/29/25	9:15	ADL1	Soil	4oz	Glass	3		X						X	
	9:07	ADL2						X							
	9:26	ADL3						X							
	9:29	ADL4						X							
	9:29	ADL4D						X							
	9:17	ADL5						X							
	9:09	ADL6						X							
	9:34	ADL7						X							
	9:36	ADL8						X							INVOICE TO:
	9:54	PMT1								X					
	9:54	PMT1D								X					
	10:00	PMT2								X					PO. #
	10:02	PMT3								X					QUOTE #

Email/Address: nancy.m@youngdahl.net, dcs@youngdahl.net

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
	Allie Denny Youngdahl Consulting Group	9/29/25 12:31		

RECD AT LAB BY: A.N DATE / TIME: 09/29/25 1230 CONDITIONS / COMMENTS: 10.7/10.5

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER AIR BILL #

ANALYSIS REQUESTED

White - Lab/Terms and conditions Yellow - Lab file copy/Terms and Conditions Pink - Origin/Terms and Conditions Gold - Project Mgr./Field Sampler/Terms and conditions

CALIFORNIA LABORATORY SERVICES

CHAIN OF CUSTODY CLS ID No.: 251400 LOG

HIGHLIGHTED AREAS MUST BE FILLED OUT PRIOR TO ACCEPTANCE

REPORT TO:

NAME AND ADDRESS: Youngdahl Consulting Group
1234 Glenhaven Court
El Dorado Hills, CA 95762
PROJECT MANAGER: Nancy Malaret PHONE#: (916) 933-0633
PROJECT NAME: The Reserve Phase II ESA
SAMPLED BY: ARD/NMM/TPG
JOB DESCRIPTION: Soil Sampling
SITE LOCATION: 5780 Rocklin Road, Loomis, CA

CLIENT JOB NUMBER: E22325.003

DESTINATION LABORATORY:
☐ CLS (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA. 95742
☐ OTHER

GEOTRACKER:
EDF REPORT ☐ YES ☐ NO
GLOBAL ID:

CDPH WRITE ON EDT TRANSMISSION? ☐ YES ☐ NO
STATE SYSTEM NUMBER
IF "YES" PLEASE ENTER THE SOURCE NUMBER(S).

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	OCPs (EPA 8081A)	Lead (EPA 6020)	Arseinc (EPA 6020)	PCBs (EPA 8082)	TURN AROUND TIME 1 DAY	2 DAY	3 DAY	5 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
9/29/25	9:56	PMT4	Soil	4oz	Glass	3				X				X	
	10:14	S1					X	X	X						
	10:13	S2					X	X	X						
	10:19	S3					X	X	X						
	10:19	S3D					X	X	X						
	10:20	S4					X	X	X						
	9:11	B1Na					X	X							
	9:17	B1Nb					X								
	8:59	B1Ea					X	X							
	9:03	B1Eb					X								
	9:03	B1EbD					X								
	9:03	B1Sa					X	X							
↓	9:07	B1Sb	↓	↓	↓	↓	X							↓	INVOICE TO:

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

Email/Address: nancy.m@youngdahl.net, dcs@youngdahl.net

PO. #
QUOTE #

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
	Allie Denny Youngdahl Consulting Group	9/29/25 12:31		

RECD AT LAB BY: HN DATE / TIME: 09/29/25 1230

CONDITIONS / COMMENTS: 10.7/10.5

☐ FED X ☐ UPS ☐ OTHER AIR BILL #

Gold-Project Mgr (Field Sample)/Terms and conditions
Pink- Orgdn/Terms and Conditions
Yellow- Lab file copy/Terms and Conditions
White-Lab/Terms and conditions

CALIFORNIA LABORATORY SERVICES

CHAIN OF CUSTODY LOG

CLS ID No.: 251400

REPORT TO:

NAME AND ADDRESS: Youngdahl Consulting Group
1234 Glenhaven Court
El Dorado Hills, CA 95762
PROJECT MANAGER: Nancy Malaret PHONE#: (916) 933-0633
PROJECT NAME: The Reserve Phase II ESA
SAMPLED BY: ARD/NMM/TPG
JOB DESCRIPTION: Soil Sampling
SITE LOCATION: 5780 Rocklin Road, Loomis, CA

CLIENT JOB NUMBER: E22325.003

DESTINATION LABORATORY:
☐ CLS (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA. 95742
☐ OTHER

PRESERVATIVES

ANALYSIS REQUESTED: OCPs (EPA 8081A); Lead (EPA 6020); Arseinc (EPA 6020); PCBs (EPA 8082)

GEOTRACKER: EDF REPORT ☐ YES ☐ NO
GLOBAL ID:
CDPH WRITE ON EDT TRANSMISSION? ☐ YES ☐ NO
STATE SYSTEM NUMBER
IF "YES" PLEASE ENTER THE SOURCE NUMBER(S).
COMPOSITE:

TURN AROUND TIME: 1 DAY; 2 DAY; 3 DAY; 5 DAY
SPECIAL INSTRUCTIONS: OR; ALT. ID:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	OCPs (EPA 8081A)	Lead (EPA 6020)	Arseinc (EPA 6020)	PCBs (EPA 8082)	5 DAY
9/29/25	9:16	B1Wa	Soil	4oz	Glass	3	X	X			X
	9:19	B1Wb					X				
	9:38	B2Na					X	X			
	9:47	B2Nb					X				
	10:11	B2Ea					X	X			
	10:22	B2Eb					X				
	9:58	B2Sa					X	X			
	10:16	B2Sb					X				
	10:16	B2SbD					X				
	9:44	B2Wa					X	X			
	9:46	B2Wb					X				
	10:35	B4Na						X			
	10:41	B4Ea						X			

INVOICE TO:
P.O. #
QUOTE #

Email/Address: nancy.m@youngdahl.net, dcs@youngdahl.net

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
	Allie Denny Youngdahl Consulting Group	9/29/25 12:31		

RECD AT LAB BY: A.N DATE / TIME: 09/29/25 1231 CONDITIONS / COMMENTS: 10.7/10.5

☐ FED X ☐ UPS ☐ OTHER AIR BILL #

HIGHLIGHTED AREAS MUST BE FILLED OUT PRIOR TO ACCEPTANCE

White- Lab/Terms and conditions Yellow- Lab file copy/Terms and Conditions Pink - Origin/Terms and Conditions Gold-Project Mgr./Field Sampler/Terms and conditions

CALIFORNIA LABORATORY SERVICES

CHAIN OF CUSTODY CLS ID No.: 251400 LOG

HIGHLIGHTED AREAS MUST BE FILLED OUT PRIOR TO ACCEPTANCE

REPORT TO:

NAME AND ADDRESS: Youngdahl Consulting Group
1234 Glenhaven Court
El Dorado Hills, CA 95762
PROJECT MANAGER: Nancy Malaret PHONE#: (916) 933-0633
PROJECT NAME: The Reserve Phase II ESA
SAMPLED BY: ARD/NMM/TPG
JOB DESCRIPTION: Soil Sampling
SITE LOCATION: 5780 Rocklin Road, Loomis, CA

CLIENT JOB NUMBER: E22325.003

DESTINATION LABORATORY:
☐ CLS (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA. 95742
☐ OTHER

PRESERVATIVES: 3

ANALYSIS REQUESTED: OCPs (EPA 8081A); Lead (EPA 6020); Arseinc (EPA 6020); PCBs (EPA 8082)

GEOTRACKER: EDF REPORT ☐ YES ☐ NO
GLOBAL ID:
CDPH WRITE ON EDT TRANSMISSION? ☐ YES ☐ NO
STATE SYSTEM NUMBER
IF "YES" PLEASE ENTER THE SOURCE NUMBER(S).
COMPOSITE:

TURN AROUND TIME: 1 DAY; 2 DAY; 3 DAY; 5 DAY
SPECIAL INSTRUCTIONS: OR; ALT. ID:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	OCPs (EPA 8081A)	Lead (EPA 6020)	5 DAY
9/29/25	10:43	B4Sa	Soil	4oz	Glass		X	X
	10:38	B4Wa					X	
	10:38	B4WaD					X	
	11:13	B3Na				X		
	11:13	B3NaD				X		
		[illegible]				X		
	11:06	B3Ea				X		
	11:13	B3Eb				X		
	10:57	B3Sa				X		
	11:00	B3Sb				X		
	10:56	B3Wa				X		
	11:05	B3Wb				X		X

INVOICE TO:
P.O. #
QUOTE #

Email/Address: nancy.m@youngdahl.net, dcs@youngdahl.net

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
	Allie Denny Youngdahl Consulting Group	9/29/25 12:31		

RECD AT LAB BY: A.N DATE / TIME: 09/29/25 1231 CONDITIONS / COMMENTS: 10.7/10.5

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER AIR BILL #

White-Lab/Terms and conditions Yellow- Lab file copy/Terms and Conditions Pink- Origin/Terms and Conditions Gold-Project Mgr./Field Sampler/Terms and conditions

CALIFORNIA LABORATORY SERVICES
Confidence. Responsive. Flexible.

CHAIN OF CUSTODY CLS ID No.: 25I1400 LOG

REPORT TO:

NAME AND ADDRESS: Youngdahl Consulting Group
1234 Glenhaven Court
El Dorado Hills, CA 95762
PROJECT MANAGER: Nancy Malaret PHONE#: (916) 933-0633
PROJECT NAME: The Reserve Phase II ESA
SAMPLED BY: ARD/NMM/TPG
JOB DESCRIPTION: Soil Sampling
SITE LOCATION: 5780 Rocklin Road, Loomis, CA

CLIENT JOB NUMBER: E22325.003

DESTINATION LABORATORY:
☐ CLS (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA. 95742
☐ OTHER

PRESERVATIVES

ANALYSIS REQUESTED

GEOTRACKER:
EDF REPORT ☐ YES ☐ NO
GLOBAL ID:

CDPH WRITE ON EDT TRANSMISSION? ☐ YES ☐ NO
STATE SYSTEM NUMBER
IF "YES" PLEASE ENTER THE SOURCE NUMBER(S).

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	TPH as Diesel and Motor Oil (EPA 8015M)	PCBs (EPA 8082)	OCPs (EPA 8081A)	Asbestos (CARB 435)	VOCs, including TPH as gasoline, BTEX, and oxygenates (EPA 8260)	SVOCs (EPA 8270)	CAM 17 (EPA 6000/7000)	TURN AROUND TIME 1 DAY	2 DAY	3 DAY	5 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
9/29/25	8:30	SP1	Soil	4oz AD	Glass	3	X	X	X	X	X	X	X				X	
	8:30	SP1D		/			X	X	X	X	X	X	X					
	8:31	SP2					X	X	X	X	X	X	X					
	8:34	SP3					X	X	X	X	X	X	X					
	8:36	SP4					X	X	X	X	X	X	X					
	8:38	SP5					X	X	X	X	X	X	X					
	8:41	SP6					X	X	X	X	X	X	X					
	8:46	SP7					X	X	X	X	X	X	X					
	8:49	SP8					X	X	X	X	X	X	X					INVOICE TO:
																		P.O. #
																		QUOTE #

Email/Address: nancy.m@youngdahl.net, dcs@youngdahl.net

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
	Allie Demy Youngdahl Consulting Group	9/29/25 12:31		

REC'D AT LAB BY: AN DATE / TIME: 09/29/25 1231 CONDITIONS / COMMENTS: 10.7/10.5

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER AIR BILL #

Gold-Project Mgr./Field Sampler/Terms and conditions
Pink- Origin/Terms and Conditions
Yellow- Lab file copy/Terms and Conditions
White-Lab/Terms and conditions

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

CAM 17 Metals

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Antimony	ND	2.5	mg/kg	1	2508310	10/01/25	10/01/25	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**100**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**12**	1.0	"	"	"	"	"	"	
Cobalt	**6.1**	1.0	"	"	"	"	"	"	
Copper	**16**	1.0	"	"	"	"	"	"	
Lead	**5.6**	2.5	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	2508240	09/30/25	10/01/25	EPA 7471A	
Molybdenum	ND	1.0	"	"	2508310	10/01/25	10/01/25	EPA 6010B	
Nickel	**9.0**	1.0	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	10/02/25	"	
Thallium	ND	4.0	"	"	"	"	10/01/25	"	
Vanadium	**28**	1.0	"	"	"	"	"	"	
Zinc	**33**	1.0	"	"	"	"	"	"	
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Antimony	ND	2.5	mg/kg	1	2508310	10/01/25	10/01/25	EPA 6010B	
Arsenic	**1.0**	1.0	"	"	"	"	"	"	
Barium	**98**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**11**	1.0	"	"	"	"	"	"	
Cobalt	**5.9**	1.0	"	"	"	"	"	"	
Copper	**15**	1.0	"	"	"	"	"	"	
Lead	**5.3**	2.5	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	2508240	09/30/25	10/01/25	EPA 7471A	
Molybdenum	ND	1.0	"	"	2508310	10/01/25	10/01/25	EPA 6010B	

Youngdahl & Associates	Project: The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number: E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager: Nancy Malaret	COC #:

CAM 17 Metals

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Nickel	**8.2**	1.0	mg/kg	1	2508310	"	10/01/25	EPA 6010B	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	10/02/25	"	
Thallium	ND	4.0	"	"	"	"	10/01/25	"	
Vanadium	**26**	1.0	"	"	"	"	"	"	
Zinc	**30**	1.0	"	"	"	"	"	"	
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
Antimony	ND	2.5	mg/kg	1	2508310	10/01/25	10/02/25	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**320**	1.0	"	"	"	"	10/01/25	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**11**	1.0	"	"	"	"	"	"	
Cobalt	**4.9**	1.0	"	"	"	"	10/02/25	"	
Copper	**13**	1.0	"	"	"	"	10/01/25	"	
Lead	**5.2**	2.5	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	2508240	09/30/25	10/01/25	EPA 7471A	
Molybdenum	ND	1.0	"	"	2508310	10/01/25	10/01/25	EPA 6010B	
Nickel	**7.5**	1.0	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	10/02/25	"	
Thallium	ND	4.0	"	"	"	"	10/01/25	"	
Vanadium	**26**	1.0	"	"	"	"	"	"	
Zinc	**28**	1.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

CAM 17 Metals

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
Antimony	ND	2.5	mg/kg	1	2508310	10/01/25	10/02/25	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**110**	1.0	"	"	"	"	10/01/25	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**12**	1.0	"	"	"	"	"	"	
Cobalt	**5.8**	1.0	"	"	"	"	10/02/25	"	
Copper	**15**	1.0	"	"	"	"	10/01/25	"	
Lead	**7.4**	2.5	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	2508240	09/30/25	10/01/25	EPA 7471A	
Molybdenum	ND	1.0	"	"	2508310	10/01/25	10/01/25	EPA 6010B	
Nickel	**8.7**	1.0	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	10/02/25	"	
Thallium	ND	4.0	"	"	"	"	10/01/25	"	
Vanadium	**28**	1.0	"	"	"	"	"	"	
Zinc	**34**	1.0	"	"	"	"	"	"	
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
Antimony	ND	2.5	mg/kg	1	2508310	10/01/25	10/02/25	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**92**	1.0	"	"	"	"	10/01/25	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**11**	1.0	"	"	"	"	"	"	
Cobalt	**5.0**	1.0	"	"	"	"	10/02/25	"	
Copper	**13**	1.0	"	"	"	"	10/01/25	"	
Lead	**5.0**	2.5	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	2508240	09/30/25	10/01/25	EPA 7471A	
Molybdenum	ND	1.0	"	"	2508310	10/01/25	10/01/25	EPA 6010B	
Nickel	**7.5**	1.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

CAM 17 Metals

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
Selenium	ND	2.5	mg/kg	1	2508310	"	10/01/25	EPA 6010B	
Silver	ND	1.0	"	"	"	"	10/02/25	"	
Thallium	ND	4.0	"	"	"	"	10/01/25	"	
Vanadium	**25**	1.0	"	"	"	"	"	"	
Zinc	**29**	1.0	"	"	"	"	"	"	
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
Antimony	ND	2.5	mg/kg	1	2508310	10/01/25	10/02/25	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**120**	1.0	"	"	"	"	10/01/25	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**14**	1.0	"	"	"	"	"	"	
Cobalt	**5.9**	1.0	"	"	"	"	10/02/25	"	
Copper	**13**	1.0	"	"	"	"	10/01/25	"	
Lead	**5.8**	2.5	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	2508240	09/30/25	10/01/25	EPA 7471A	
Molybdenum	ND	1.0	"	"	2508310	10/01/25	10/01/25	EPA 6010B	
Nickel	**9.8**	1.0	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	10/02/25	"	
Thallium	ND	4.0	"	"	"	"	10/01/25	"	
Vanadium	**29**	1.0	"	"	"	"	"	"	
Zinc	**33**	1.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

CAM 17 Metals

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
Antimony	ND	2.5	mg/kg	1	2508310	10/01/25	10/02/25	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**120**	1.0	"	"	"	"	10/01/25	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**13**	1.0	"	"	"	"	"	"	
Cobalt	**5.9**	1.0	"	"	"	"	10/02/25	"	
Copper	**14**	1.0	"	"	"	"	10/01/25	"	
Lead	**5.5**	2.5	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	2508240	09/30/25	10/01/25	EPA 7471A	
Molybdenum	ND	1.0	"	"	2508310	10/01/25	10/01/25	EPA 6010B	
Nickel	**9.6**	1.0	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	10/02/25	"	
Thallium	ND	4.0	"	"	"	"	10/01/25	"	
Vanadium	**28**	1.0	"	"	"	"	"	"	
Zinc	**34**	1.0	"	"	"	"	"	"	
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
Antimony	ND	2.5	mg/kg	1	2508310	10/01/25	10/02/25	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**100**	1.0	"	"	"	"	10/01/25	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**13**	1.0	"	"	"	"	"	"	
Cobalt	**5.8**	1.0	"	"	"	"	10/02/25	"	
Copper	**13**	1.0	"	"	"	"	10/01/25	"	
Lead	**5.5**	2.5	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	2508240	09/30/25	10/01/25	EPA 7471A	
Molybdenum	ND	1.0	"	"	2508310	10/01/25	10/01/25	EPA 6010B	
Nickel	**9.6**	1.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

CAM 17 Metals

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
Selenium	ND	2.5	mg/kg	1	2508310	"	10/01/25	EPA 6010B	
Silver	ND	1.0	"	"	"	"	10/02/25	"	
Thallium	ND	4.0	"	"	"	"	10/01/25	"	
Vanadium	**28**	1.0	"	"	"	"	"	"	
Zinc	**34**	1.0	"	"	"	"	"	"	
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
Antimony	ND	2.5	mg/kg	1	2508310	10/01/25	10/02/25	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**110**	1.0	"	"	"	"	10/01/25	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**12**	1.0	"	"	"	"	"	"	
Cobalt	**6.4**	1.0	"	"	"	"	10/02/25	"	
Copper	**16**	1.0	"	"	"	"	10/01/25	"	
Lead	**5.3**	2.5	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	2508240	09/30/25	10/01/25	EPA 7471A	
Molybdenum	ND	1.0	"	"	2508310	10/01/25	10/01/25	EPA 6010B	
Nickel	**9.1**	1.0	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	10/02/25	"	
Thallium	ND	4.0	"	"	"	"	10/01/25	"	
Vanadium	**27**	1.0	"	"	"	"	"	"	
Zinc	**35**	1.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Diesel	**1.6**	1.0	mg/kg	1	2508295	10/01/25	10/02/25	EPA 8015M	
Motor Oil	**7.6**	1.0	"	"	"	"	"	"	TPH-X
Surrogate: o-Terphenyl		*100 %*	*65-135*		"	"	"	"	
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Diesel	**1.7**	1.0	mg/kg	1	2508295	10/01/25	10/02/25	EPA 8015M	
Motor Oil	**5.3**	1.0	"	"	"	"	"	"	TPH-X
Surrogate: o-Terphenyl		*101 %*	*65-135*		"	"	"	"	
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
Diesel	ND	1.0	mg/kg	1	2508295	10/01/25	10/02/25	EPA 8015M	
Motor Oil	**5.8**	1.0	"	"	"	"	"	"	TPH-X
Surrogate: o-Terphenyl		*104 %*	*65-135*		"	"	"	"	
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
Diesel	ND	1.0	mg/kg	1	2508295	10/01/25	10/02/25	EPA 8015M	
Motor Oil	**5.9**	1.0	"	"	"	"	"	"	TPH-X
Surrogate: o-Terphenyl		*114 %*	*65-135*		"	"	"	"	
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
Diesel	ND	1.0	mg/kg	1	2508295	10/01/25	10/02/25	EPA 8015M	
Motor Oil	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*89 %*	*65-135*		"	"	"	"	
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
Diesel	ND	1.0	mg/kg	1	2508295	10/01/25	10/02/25	EPA 8015M	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
Motor Oil	ND	1.0	mg/kg	1	2508295	"	10/02/25	EPA 8015M	
Surrogate: o-Terphenyl		*89 %*	*65-135*		"	"	"	"	
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
Diesel	ND	1.0	mg/kg	1	2508295	10/01/25	10/02/25	EPA 8015M	
Motor Oil	**2.8**	1.0	"	"	"	"	"	"	TPH-X
Surrogate: o-Terphenyl		*98 %*	*65-135*		"	"	"	"	
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
Diesel	**1.5**	1.0	mg/kg	1	2508295	10/01/25	10/02/25	EPA 8015M	
Motor Oil	**2.2**	1.0	"	"	"	"	"	"	TPH-X
Surrogate: o-Terphenyl		*93 %*	*65-135*		"	"	"	"	
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
Diesel	ND	1.0	mg/kg	1	2508295	10/01/25	10/02/25	EPA 8015M	
Motor Oil	**3.1**	1.0	"	"	"	"	"	"	TPH-X
Surrogate: o-Terphenyl		*100 %*	*65-135*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ADL1 (25I1400-01) Soil Sampled: 09/29/25 09:15 Received: 09/29/25 12:31									
Lead	**7.0**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
ADL2 (25I1400-02) Soil Sampled: 09/29/25 09:07 Received: 09/29/25 12:31									
Lead	**13**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
ADL3 (25I1400-03) Soil Sampled: 09/29/25 09:26 Received: 09/29/25 12:31									
Lead	**14**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
ADL4 (25I1400-04) Soil Sampled: 09/29/25 09:29 Received: 09/29/25 12:31									
Lead	**24**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
ADL4D (25I1400-05) Soil Sampled: 09/29/25 09:29 Received: 09/29/25 12:31									
Lead	**30**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
ADL5 (25I1400-06) Soil Sampled: 09/29/25 09:17 Received: 09/29/25 12:31									
Lead	**23**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
ADL6 (25I1400-07) Soil Sampled: 09/29/25 09:09 Received: 09/29/25 12:31									
Lead	**33**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
ADL7 (25I1400-08) Soil Sampled: 09/29/25 09:34 Received: 09/29/25 12:31									
Lead	**16**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
ADL8 (25I1400-09) Soil Sampled: 09/29/25 09:36 Received: 09/29/25 12:31									
Lead	**57**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

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COC #:

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S1 (25I1400-15) Soil Sampled: 09/29/25 10:14 Received: 09/29/25 12:31									
Arsenic	ND	2.0	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
Lead	**11**	2.5	"	"	"	"	10/02/25	"	
S2 (25I1400-16) Soil Sampled: 09/29/25 10:13 Received: 09/29/25 12:31									
Arsenic	ND	2.0	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
Lead	**8.1**	2.5	"	"	"	"	10/02/25	"	
S3 (25I1400-17) Soil Sampled: 09/29/25 10:19 Received: 09/29/25 12:31									
Arsenic	ND	2.0	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
Lead	**16**	2.5	"	"	"	"	10/02/25	"	
S3D (25I1400-18) Soil Sampled: 09/29/25 10:19 Received: 09/29/25 12:31									
Arsenic	ND	2.0	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
Lead	**16**	2.5	"	"	"	"	10/02/25	"	
S4 (25I1400-19) Soil Sampled: 09/29/25 10:20 Received: 09/29/25 12:31									
Arsenic	ND	2.0	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
Lead	**17**	2.5	"	"	"	"	10/02/25	"	
B1Na (25I1400-20) Soil Sampled: 09/29/25 09:11 Received: 09/29/25 12:31									
Lead	**10**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
B1Ea (25I1400-22) Soil Sampled: 09/29/25 08:59 Received: 09/29/25 12:31									
Lead	**9.6**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1Sa (25I1400-25) Soil Sampled: 09/29/25 09:03 Received: 09/29/25 12:31									
Lead	**8.4**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
B1Wa (25I1400-27) Soil Sampled: 09/29/25 09:16 Received: 09/29/25 12:31									
Lead	**8.5**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
B2Na (25I1400-29) Soil Sampled: 09/29/25 09:38 Received: 09/29/25 12:31									
Lead	**6.8**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
B2Ea (25I1400-31) Soil Sampled: 09/29/25 10:11 Received: 09/29/25 12:31									
Lead	**3.4**	2.5	mg/kg	10	2508277	10/01/25	10/02/25	EPA 6020	
B2Sa (25I1400-33) Soil Sampled: 09/29/25 09:58 Received: 09/29/25 12:31									
Lead	**15**	2.5	mg/kg	10	2508276	10/01/25	10/02/25	EPA 6020	
B2Wa (25I1400-36) Soil Sampled: 09/29/25 09:44 Received: 09/29/25 12:31									
Lead	**11**	2.5	mg/kg	10	2508276	10/01/25	10/02/25	EPA 6020	
B4Na (25I1400-38) Soil Sampled: 09/29/25 10:35 Received: 09/29/25 12:31									
Lead	**31**	2.5	mg/kg	10	2508276	10/01/25	10/02/25	EPA 6020	
B4Ea (25I1400-39) Soil Sampled: 09/29/25 10:41 Received: 09/29/25 12:31									
Lead	**15**	2.5	mg/kg	10	2508276	10/01/25	10/02/25	EPA 6020	
B4Sa (25I1400-40) Soil Sampled: 09/29/25 10:43 Received: 09/29/25 12:31									
Lead	**17**	2.5	mg/kg	10	2508276	10/01/25	10/02/25	EPA 6020	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4Wa (25I1400-41) Soil Sampled: 09/29/25 10:38 Received: 09/29/25 12:31									
Lead	**15**	2.5	mg/kg	10	2508276	10/01/25	10/02/25	EPA 6020	
B4WaD (25I1400-42) Soil Sampled: 09/29/25 10:38 Received: 09/29/25 12:31									
Lead	**13**	2.5	mg/kg	10	2508276	10/01/25	10/02/25	EPA 6020	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S1 (25I1400-15) Soil Sampled: 09/29/25 10:14 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	**34**	17	"	"	"	"	"	"	
4,4´-DDT	ND	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	
Mirex	ND	17	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*68 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*76 %*	*46-139*		"	"	"	"	
S2 (25I1400-16) Soil Sampled: 09/29/25 10:13 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	**7.3**	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S2 (25I1400-16) Soil Sampled: 09/29/25 10:13 Received: 09/29/25 12:31									
Chlordane-technical	ND	3.3	µg/kg	1	2508269	"	10/02/25	EPA 8081A	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*75 %*		*52-141*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*69 %*		*46-139*	"	"	"	"	
S3 (25I1400-17) Soil Sampled: 09/29/25 10:19 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	**180**	66	"	20	"	"	"	"	
4,4´-DDT	**36**	17	"	5	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S3 (25I1400-17) Soil Sampled: 09/29/25 10:19 Received: 09/29/25 12:31									**QRL-8**
Endrin	ND	17	µg/kg	5	2508269	"	10/02/25	EPA 8081A	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	
Mirex	ND	17	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*75 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*68 %*	*46-139*		"	"	"	"	
S3D (25I1400-18) Soil Sampled: 09/29/25 10:19 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	**99**	17	"	"	"	"	"	"	
4,4´-DDT	**21**	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S3D (25I1400-18) Soil Sampled: 09/29/25 10:19 Received: 09/29/25 12:31									**QRL-8**
Mirex	ND	17	µg/kg	5	2508269	"	10/02/25	EPA 8081A	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*69 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*71 %*	*46-139*		"	"	"	"	
S4 (25I1400-19) Soil Sampled: 09/29/25 10:20 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	**60**	17	"	"	"	"	"	"	
4,4´-DDT	**17**	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	
Mirex	ND	17	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*59 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*59 %*	*46-139*		"	"	"	"	

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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1Na (25I1400-20) Soil Sampled: 09/29/25 09:11 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*71 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*58 %*	*46-139*		"	"	"	"	
B1Nb (25I1400-21) Soil Sampled: 09/29/25 09:17 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1Nb (25I1400-21) Soil Sampled: 09/29/25 09:17 Received: 09/29/25 12:31									
Chlordane-technical	ND	3.3	µg/kg	1	2508269	"	10/02/25	EPA 8081A	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*86 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*79 %*	*46-139*		"	"	"	"	
B1Ea (25I1400-22) Soil Sampled: 09/29/25 08:59 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1Ea (25I1400-22) Soil Sampled: 09/29/25 08:59 Received: 09/29/25 12:31									
Endrin	ND	3.3	µg/kg	1	2508269	"	10/02/25	EPA 8081A	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*82 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*76 %*	*46-139*		"	"	"	"	
B1Eb (25I1400-23) Soil Sampled: 09/29/25 09:03 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1Eb (25I1400-23) Soil Sampled: 09/29/25 09:03 Received: 09/29/25 12:31									
Mirex	ND	3.3	µg/kg	1	2508269	"	10/02/25	EPA 8081A	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*76 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*68 %*	*46-139*		"	"	"	"	
B1EbD (25I1400-24) Soil Sampled: 09/29/25 09:03 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*78 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*67 %*	*46-139*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1Sa (25I1400-25) Soil Sampled: 09/29/25 09:03 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*71 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*56 %*	*46-139*		"	"	"	"	
B1Sb (25I1400-26) Soil Sampled: 09/29/25 09:07 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1Sb (25I1400-26) Soil Sampled: 09/29/25 09:07 Received: 09/29/25 12:31									
Chlordane-technical	ND	3.3	µg/kg	1	2508269	"	10/02/25	EPA 8081A	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*75 %*		*52-141*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*68 %*		*46-139*	"	"	"	"	
B1Wa (25I1400-27) Soil Sampled: 09/29/25 09:16 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1Wa (25I1400-27) Soil Sampled: 09/29/25 09:16 Received: 09/29/25 12:31									
Endrin	ND	3.3	µg/kg	1	2508269	"	10/02/25	EPA 8081A	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*74 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*63 %*	*46-139*		"	"	"	"	
B1Wb (25I1400-28) Soil Sampled: 09/29/25 09:19 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1Wb (25I1400-28) Soil Sampled: 09/29/25 09:19 Received: 09/29/25 12:31									
Mirex	ND	3.3	µg/kg	1	2508269	"	10/02/25	EPA 8081A	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*92 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*89 %*	*46-139*		"	"	"	"	
B2Na (25I1400-29) Soil Sampled: 09/29/25 09:38 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*85 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*85 %*	*46-139*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2Nb (25I1400-30) Soil Sampled: 09/29/25 09:47 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*82 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*71 %*	*46-139*		"	"	"	"	
B2Ea (25I1400-31) Soil Sampled: 09/29/25 10:11 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2Ea (25I1400-31) Soil Sampled: 09/29/25 10:11 Received: 09/29/25 12:31									
Chlordane-technical	ND	3.3	µg/kg	1	2508269	"	10/02/25	EPA 8081A	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*99 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*87 %*	*46-139*		"	"	"	"	
B2Eb (25I1400-32) Soil Sampled: 09/29/25 10:22 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2Eb (25I1400-32) Soil Sampled: 09/29/25 10:22 Received: 09/29/25 12:31									
Endrin	ND	3.3	µg/kg	1	2508269	"	10/02/25	EPA 8081A	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*84 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*74 %*	*46-139*		"	"	"	"	
B2Sa (25I1400-33) Soil Sampled: 09/29/25 09:58 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	17	"	"	"	"	"	"	
4,4´-DDT	ND	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	**230**	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2Sa (25I1400-33) Soil Sampled: 09/29/25 09:58 Received: 09/29/25 12:31									**QRL-8**
Mirex	ND	17	µg/kg	5	2508269	"	10/02/25	EPA 8081A	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*77 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*72 %*	*46-139*		"	"	"	"	
B2Sb (25I1400-34) Soil Sampled: 09/29/25 10:16 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	**14**	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*88 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*79 %*	*46-139*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2SbD (25I1400-35) Soil Sampled: 09/29/25 10:16 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508269	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*77 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*65 %*	*46-139*		"	"	"	"	
B2Wa (25I1400-36) Soil Sampled: 09/29/25 09:44 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	

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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2Wa (25I1400-36) Soil Sampled: 09/29/25 09:44 Received: 09/29/25 12:31									
Chlordane-technical	**22**	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*80 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*78 %*	*46-139*		"	"	"	"	
B2Wb (25I1400-37) Soil Sampled: 09/29/25 09:46 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	**18**	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2Wb (25I1400-37) Soil Sampled: 09/29/25 09:46 Received: 09/29/25 12:31									
Endrin	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*66 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*64 %*	*46-139*		"	"	"	"	
B3Na (25I1400-43) Soil Sampled: 09/29/25 11:13 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	17	"	"	"	"	"	"	
4,4´-DDT	ND	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	

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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3Na (25I1400-43) Soil Sampled: 09/29/25 11:13 Received: 09/29/25 12:31									**QRL-8**
Mirex	ND	17	µg/kg	5	2508270	"	10/02/25	EPA 8081A	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*100 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*72 %*	*46-139*		"	"	"	"	
B3NaD (25I1400-44) Soil Sampled: 09/29/25 11:13 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	17	"	"	"	"	"	"	
4,4´-DDT	ND	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	
Mirex	ND	17	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*94 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*86 %*	*46-139*		"	"	"	"	

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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3Ea (25I1400-45) Soil Sampled: 09/29/25 11:06 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	17	"	"	"	"	"	"	
4,4´-DDT	ND	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	
Mirex	ND	17	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*87 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*82 %*	*46-139*		"	"	"	"	
B3Eb (25I1400-46) Soil Sampled: 09/29/25 11:13 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3Eb (25I1400-46) Soil Sampled: 09/29/25 11:13 Received: 09/29/25 12:31									
Chlordane-technical	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*82 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*81 %*	*46-139*		"	"	"	"	
B3Sa (25I1400-47) Soil Sampled: 09/29/25 10:57 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	**19**	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3Sa (25I1400-47) Soil Sampled: 09/29/25 10:57 Received: 09/29/25 12:31									
Endrin	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*71 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*72 %*	*46-139*		"	"	"	"	
B3Sb (25I1400-48) Soil Sampled: 09/29/25 11:00 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3Sb (25I1400-48) Soil Sampled: 09/29/25 11:00 Received: 09/29/25 12:31									
Mirex	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*81 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*85 %*	*46-139*		"	"	"	"	
B3Wa (25I1400-49) Soil Sampled: 09/29/25 10:56 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	17	"	"	"	"	"	"	
4,4´-DDT	ND	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	
Mirex	ND	17	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*79 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*91 %*	*46-139*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3Wb (25I1400-50) Soil Sampled: 09/29/25 11:05 Received: 09/29/25 12:31									**QRL-8**
4,4´-DDD	ND	17	µg/kg	5	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	17	"	"	"	"	"	"	
4,4´-DDT	ND	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	
Mirex	ND	17	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*81 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*78 %*	*46-139*		"	"	"	"	
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Chlordane-technical	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*68 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*71 %*	*46-139*		"	"	"	"	
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Endrin	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*76 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*73 %*	*46-139*		"	"	"	"	
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
Mirex	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*124 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*79 %*	*46-139*		"	"	"	"	
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*80 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*77 %*	*46-139*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*88 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*86 %*	*46-139*		"	"	"	"	
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
Chlordane-technical	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*81 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*83 %*	*46-139*		"	"	"	"	
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
Endrin	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*86 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*85 %*	*46-139*		"	"	"	"	
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
Mirex	ND	3.3	µg/kg	1	2508270	"	10/02/25	EPA 8081A	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*90 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*95 %*	*46-139*		"	"	"	"	
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
4,4´-DDD	ND	3.3	µg/kg	1	2508270	10/01/25	10/02/25	EPA 8081A	
4,4´-DDE	ND	3.3	"	"	"	"	"	"	
4,4´-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*81 %*	*52-141*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*84 %*	*46-139*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PMT1 (25I1400-10) Soil Sampled: 09/29/25 09:54 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*105 %*	*50-150*		"	"	"	"	
PMT1D (25I1400-11) Soil Sampled: 09/29/25 09:54 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*147 %*	*50-150*		"	"	"	"	
PMT2 (25I1400-12) Soil Sampled: 09/29/25 10:00 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PMT2 (25I1400-12) Soil Sampled: 09/29/25 10:00 Received: 09/29/25 12:31									
Aroclor 1268	ND	20	µg/kg	1	2508260	"	10/03/25	EPA 8082	
Surrogate: Decachlorobiphenyl		*146 %*	*50-150*		"	"	"	"	
PMT3 (25I1400-13) Soil Sampled: 09/29/25 10:02 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*31 %*	*50-150*		"	"	"	"	*QS-4*
PMT4 (25I1400-14) Soil Sampled: 09/29/25 09:56 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*51 %*	*50-150*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*53 %*	*50-150*		"	"	"	"	
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*59 %*	*50-150*		"	"	"	"	
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
Aroclor 1268	ND	20	µg/kg	1	2508260	"	10/03/25	EPA 8082	
Surrogate: Decachlorobiphenyl		*56 %*	*50-150*		"	"	"	"	
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*65 %*	*50-150*		"	"	"	"	
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*66 %*	*50-150*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*60 %*	*50-150*		"	"	"	"	
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*62 %*	*50-150*		"	"	"	"	
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
Aroclor 1268	ND	20	µg/kg	1	2508260	"	10/03/25	EPA 8082	
Surrogate: Decachlorobiphenyl		*61 %*	*50-150*		"	"	"	"	
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
Aroclor 1016	ND	20	µg/kg	1	2508260	10/01/25	10/03/25	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*59 %*	*50-150*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2508262	09/30/25	10/02/25	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	
2-Nitrophenol	ND	330	"	"	"	"	"	"	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Benzo (a) pyrene	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-methyl-2-pyrrolidone	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
N-Nitrosodi-n-propylamine	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*40 %*		*19-122*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*46 %*		*30-115*	"	"	"	"	
Surrogate: 2-Fluorophenol		*46 %*		*25-121*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*53 %*		*23-120*	"	"	"	"	
Surrogate: Phenol-d6		*48 %*		*10-110*	"	"	"	"	
Surrogate: Terphenyl-dl4		*47 %*		*18-137*	"	"	"	"	
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2508262	09/30/25	10/02/25	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
2-Nitrophenol	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Dimethyl phthalate	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-methyl-2-pyrrolidone	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*38 %*	*19-122*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*42 %*	*30-115*		"	"	"	"	
Surrogate: 2-Fluorophenol		*42 %*	*25-121*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*49 %*	*23-120*		"	"	"	"	
Surrogate: Phenol-d6		*44 %*	*10-110*		"	"	"	"	
Surrogate: Terphenyl-dl4		*44 %*	*18-137*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2508262	09/30/25	10/02/25	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	
2-Nitrophenol	ND	330	"	"	"	"	"	"	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
Benzo (a) pyrene	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-methyl-2-pyrrolidone	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
N-Nitrosodi-n-propylamine	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*39 %*		*19-122*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*43 %*		*30-115*	"	"	"	"	
Surrogate: 2-Fluorophenol		*42 %*		*25-121*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*49 %*		*23-120*	"	"	"	"	
Surrogate: Phenol-d6		*44 %*		*10-110*	"	"	"	"	
Surrogate: Terphenyl-dl4		*46 %*		*18-137*	"	"	"	"	
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2508262	09/30/25	10/02/25	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
2-Nitrophenol	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
Dimethyl phthalate	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-methyl-2-pyrrolidone	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*43 %*	*19-122*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*48 %*	*30-115*		"	"	"	"	
Surrogate: 2-Fluorophenol		*48 %*	*25-121*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*56 %*	*23-120*		"	"	"	"	
Surrogate: Phenol-d6		*50 %*	*10-110*		"	"	"	"	
Surrogate: Terphenyl-dl4		*50 %*	*18-137*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2508262	09/30/25	10/02/25	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	
2-Nitrophenol	ND	330	"	"	"	"	"	"	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
Benzo (a) pyrene	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-methyl-2-pyrrolidone	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
N-Nitrosodi-n-propylamine	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*30 %*		*19-122*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*35 %*		*30-115*	"	"	"	"	
Surrogate: 2-Fluorophenol		*35 %*		*25-121*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*40 %*		*23-120*	"	"	"	"	
Surrogate: Phenol-d6		*36 %*		*10-110*	"	"	"	"	
Surrogate: Terphenyl-dl4		*35 %*		*18-137*	"	"	"	"	
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2508262	09/30/25	10/02/25	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
2-Nitrophenol	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
Dimethyl phthalate	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-methyl-2-pyrrolidone	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*37 %*	*19-122*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*44 %*	*30-115*		"	"	"	"	
Surrogate: 2-Fluorophenol		*44 %*	*25-121*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*51 %*	*23-120*		"	"	"	"	
Surrogate: Phenol-d6		*45 %*	*10-110*		"	"	"	"	
Surrogate: Terphenyl-dl4		*47 %*	*18-137*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2508262	09/30/25	10/02/25	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	
2-Nitrophenol	ND	330	"	"	"	"	"	"	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
Benzo (a) pyrene	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-methyl-2-pyrrolidone	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
N-Nitrosodi-n-propylamine	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*37 %*		*19-122*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*42 %*		*30-115*	"	"	"	"	
Surrogate: 2-Fluorophenol		*42 %*		*25-121*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*49 %*		*23-120*	"	"	"	"	
Surrogate: Phenol-d6		*44 %*		*10-110*	"	"	"	"	
Surrogate: Terphenyl-dl4		*45 %*		*18-137*	"	"	"	"	
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2508262	09/30/25	10/02/25	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
2-Nitrophenol	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
Dimethyl phthalate	ND	330	µg/kg	1	2508262	"	10/02/25	EPA 8270C	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-methyl-2-pyrrolidone	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*37 %*	*19-122*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*42 %*	*30-115*		"	"	"	"	
Surrogate: 2-Fluorophenol		*42 %*	*25-121*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*49 %*	*23-120*		"	"	"	"	
Surrogate: Phenol-d6		*43 %*	*10-110*		"	"	"	"	
Surrogate: Terphenyl-dl4		*42 %*	*18-137*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2508262	09/30/25	10/03/25	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	
2-Nitrophenol	ND	330	"	"	"	"	"	"	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
Benzo (a) pyrene	ND	330	µg/kg	1	2508262	"	10/03/25	EPA 8270C	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-methyl-2-pyrrolidone	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
N-Nitrosodi-n-propylamine	ND	330	µg/kg	1	2508262	"	10/03/25	EPA 8270C	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*42 %*		*19-122*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*45 %*		*30-115*	"	"	"	"	
Surrogate: 2-Fluorophenol		*45 %*		*25-121*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*53 %*		*23-120*	"	"	"	"	
Surrogate: Phenol-d6		*47 %*		*10-110*	"	"	"	"	
Surrogate: Terphenyl-dl4		*47 %*		*18-137*	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

TPH-Gasoline by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Gasoline	ND	0.20	mg/kg	1	2508307	09/30/25	09/30/25	EPA 8260M	
Surrogate: Toluene-d8		*97 %*		*65-135*		"	"	"	"
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Gasoline	ND	0.20	mg/kg	1	2508307	09/30/25	09/30/25	EPA 8260M	
Surrogate: Toluene-d8		*96 %*		*65-135*		"	"	"	"
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
Gasoline	ND	0.20	mg/kg	1	2508307	09/30/25	09/30/25	EPA 8260M	
Surrogate: Toluene-d8		*96 %*		*65-135*		"	"	"	"
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
Gasoline	ND	0.20	mg/kg	1	2508307	09/30/25	09/30/25	EPA 8260M	
Surrogate: Toluene-d8		*96 %*		*65-135*		"	"	"	"
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
Gasoline	ND	0.20	mg/kg	1	2508307	09/30/25	09/30/25	EPA 8260M	
Surrogate: Toluene-d8		*96 %*		*65-135*		"	"	"	"
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
Gasoline	ND	0.20	mg/kg	1	2508307	09/30/25	09/30/25	EPA 8260M	
Surrogate: Toluene-d8		*96 %*		*65-135*		"	"	"	"
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
Gasoline	ND	0.20	mg/kg	1	2508307	09/30/25	09/30/25	EPA 8260M	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

TPH-Gasoline by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
Surrogate: Toluene-d8		*95 %*	*65-135*		*2508307*	"	*09/30/25*	*EPA 8260M*	
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
Gasoline	ND	0.20	mg/kg	1	2508307	09/30/25	09/30/25	EPA 8260M	
Surrogate: Toluene-d8		*93 %*	*65-135*		"	"	"	"	
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
Gasoline	ND	0.20	mg/kg	1	2508307	09/30/25	09/30/25	EPA 8260M	
Surrogate: Toluene-d8		*94 %*	*65-135*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2508307	09/30/25	09/30/25	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Bromoform	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	ELAP1
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	ELAP1
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	ELAP1
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1 (25I1400-51) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Tetrachloroethene	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*		*50-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*120 %*		*50-128*	"	"	"	"	
Surrogate: Toluene-d8		*97 %*		*62-125*	"	"	"	"	
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2508307	09/30/25	09/30/25	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
1,2-Dichloropropane	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	ELAP1
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP1D (25I1400-52) Soil Sampled: 09/29/25 08:30 Received: 09/29/25 12:31									
Isopropylbenzene	ND	50	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	ELAP1
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	ELAP1
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*50-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*119 %*	*50-128*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*62-125*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2508307	09/30/25	09/30/25	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
Bromoform	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	ELAP1
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	ELAP1
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	ELAP1
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP2 (25I1400-53) Soil Sampled: 09/29/25 08:31 Received: 09/29/25 12:31									
Tetrachloroethene	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*		*50-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*		*50-128*	"	"	"	"	
Surrogate: Toluene-d8		*96 %*		*62-125*	"	"	"	"	
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2508307	09/30/25	09/30/25	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
1,2-Dichloropropane	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	ELAP1
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP3 (25I1400-54) Soil Sampled: 09/29/25 08:34 Received: 09/29/25 12:31									
Isopropylbenzene	ND	50	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	ELAP1
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	ELAP1
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*50-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*117 %*	*50-128*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*62-125*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2508307	09/30/25	09/30/25	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
Bromoform	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	ELAP1
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	ELAP1
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	ELAP1
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP4 (25I1400-55) Soil Sampled: 09/29/25 08:36 Received: 09/29/25 12:31									
Tetrachloroethene	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*		*50-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*120 %*		*50-128*	"	"	"	"	
Surrogate: Toluene-d8		*96 %*		*62-125*	"	"	"	"	
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2508307	09/30/25	09/30/25	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
1,2-Dichloropropane	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	ELAP1
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP5 (25I1400-56) Soil Sampled: 09/29/25 08:38 Received: 09/29/25 12:31									
Isopropylbenzene	ND	50	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	ELAP1
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	ELAP1
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*50-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*121 %*	*50-128*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*62-125*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2508307	09/30/25	09/30/25	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
Bromoform	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	ELAP1
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	ELAP1
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	ELAP1
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP6 (25I1400-57) Soil Sampled: 09/29/25 08:41 Received: 09/29/25 12:31									
Tetrachloroethene	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*		*50-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*121 %*		*50-128*	"	"	"	"	
Surrogate: Toluene-d8		*95 %*		*62-125*	"	"	"	"	
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2508307	09/30/25	09/30/25	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
1,2-Dichloropropane	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	ELAP1
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP7 (25I1400-58) Soil Sampled: 09/29/25 08:46 Received: 09/29/25 12:31									
Isopropylbenzene	ND	50	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	ELAP1
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	ELAP1
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*50-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*	*50-128*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*62-125*		"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2508307	09/30/25	09/30/25	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	ELAP1
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
Bromoform	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	ELAP1
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	ELAP1
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	ELAP1
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP8 (25I1400-59) Soil Sampled: 09/29/25 08:49 Received: 09/29/25 12:31									
Tetrachloroethene	ND	5.0	µg/kg	1	2508307	"	09/30/25	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*		*50-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*		*50-128*	"	"	"	"	
Surrogate: Toluene-d8		*94 %*		*62-125*	"	"	"	"	

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508240 - EPA 7471A										
Blank (2508240-BLK1)				Prepared: 09/30/25 Analyzed: 10/01/25						
Mercury	ND	0.10	mg/kg							
LCS (2508240-BS1)				Prepared: 09/30/25 Analyzed: 10/01/25						
Mercury	0.218	0.10	mg/kg	0.208		105	75-125			
Matrix Spike (2508240-MS1)		**Source: 25I1342-66**		Prepared: 09/30/25 Analyzed: 10/01/25						
Mercury	0.297	0.10	mg/kg	0.208	0.0784	105	75-125			
Matrix Spike Dup (2508240-MSD1)		**Source: 25I1342-66**		Prepared: 09/30/25 Analyzed: 10/01/25						
Mercury	0.324	0.10	mg/kg	0.208	0.0784	118	75-125	9	25	
Batch 2508310 - EPA 3050B										
Blank (2508310-BLK1)				Prepared & Analyzed: 10/01/25						
Antimony	ND	2.5	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Cobalt	ND	1.0	"							
Chromium	ND	1.0	"							
Copper	ND	1.0	"							
Lead	ND	2.5	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.0	"							
Selenium	ND	2.5	"							
Silver	ND	1.0	"							
Thallium	ND	4.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	1.0	"							

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508310 - EPA 3050B										
LCS (2508310-BS1)				Prepared & Analyzed: 10/01/25						
Antimony	40.7	2.5	mg/kg	50.0		81	75-125			
Arsenic	39.0	1.0	"	50.0		78	75-125			
Barium	45.6	1.0	"	50.0		91	75-125			
Beryllium	46.7	1.0	"	50.0		93	75-125			
Cadmium	45.3	1.0	"	50.0		91	75-125			
Cobalt	47.1	1.0	"	50.0		94	75-125			
Chromium	44.7	1.0	"	50.0		89	75-125			
Copper	46.6	1.0	"	50.0		93	75-125			
Lead	45.4	2.5	"	50.0		91	75-125			
Molybdenum	43.6	1.0	"	50.0		87	75-125			
Nickel	44.9	1.0	"	50.0		90	75-125			
Selenium	37.4	2.5	"	50.0		75	75-125			
Silver	45.4	1.0	"	50.0		91	75-125			
Thallium	40.9	4.0	"	50.0		82	75-125			
Vanadium	45.1	1.0	"	50.0		90	75-125			
Zinc	43.2	1.0	"	50.0		86	75-125			
Matrix Spike (2508310-MS1)		**Source: 25I1342-62**		Prepared & Analyzed: 10/01/25						
Antimony	13.1	2.5	mg/kg	50.0	ND	26	75-125			QM-5
Arsenic	36.3	1.0	"	50.0	3.23	66	75-125			QM-5
Barium	180	1.0	"	50.0	134	94	75-125			
Beryllium	41.0	1.0	"	50.0	0.602	81	75-125			
Cadmium	38.0	1.0	"	50.0	ND	76	75-125			
Cobalt	53.5	1.0	"	50.0	18.4	70	75-125			QM-5
Chromium	97.3	1.0	"	50.0	55.0	85	75-125			
Copper	72.2	1.0	"	50.0	41.3	62	75-125			QM-5
Lead	61.2	2.5	"	50.0	23.3	76	75-125			
Molybdenum	31.3	1.0	"	50.0	ND	63	75-125			QM-5
Nickel	86.6	1.0	"	50.0	47.7	78	75-125			
Selenium	25.3	2.5	"	50.0	ND	51	75-125			QM-5
Silver	37.7	1.0	"	50.0	ND	75	75-125			

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508310 - EPA 3050B										
Matrix Spike (2508310-MS1)	**Source: 25I1342-62**			Prepared & Analyzed: 10/01/25						
Thallium	33.0	4.0	mg/kg	50.0	ND	66	75-125			QM-5
Vanadium	129	1.0	"	50.0	86.2	85	75-125			
Zinc	91.8	1.0	"	50.0	56.0	72	75-125			QM-5
Matrix Spike Dup (2508310-MSD1)	**Source: 25I1342-62**			Prepared & Analyzed: 10/01/25						
Antimony	16.0	2.5	mg/kg	50.0	ND	32	75-125	20	30	QM-5
Arsenic	39.2	1.0	"	50.0	3.23	72	75-125	8	30	QM-5
Barium	175	1.0	"	50.0	134	82	75-125	3	30	
Beryllium	43.3	1.0	"	50.0	0.602	85	75-125	6	30	
Cadmium	40.0	1.0	"	50.0	ND	80	75-125	5	30	
Cobalt	53.6	1.0	"	50.0	18.4	70	75-125	0.2	30	QM-5
Chromium	97.5	1.0	"	50.0	55.0	85	75-125	0.2	30	
Copper	75.7	1.0	"	50.0	41.3	69	75-125	5	30	QM-5
Lead	66.9	2.5	"	50.0	23.3	87	75-125	9	30	
Molybdenum	36.2	1.0	"	50.0	ND	72	75-125	15	30	QM-5
Nickel	92.1	1.0	"	50.0	47.7	89	75-125	6	30	
Selenium	28.9	2.5	"	50.0	ND	58	75-125	13	30	QM-5
Silver	39.9	1.0	"	50.0	ND	80	75-125	6	30	
Thallium	34.5	4.0	"	50.0	ND	69	75-125	5	30	QM-5
Vanadium	124	1.0	"	50.0	86.2	75	75-125	4	30	
Zinc	96.0	1.0	"	50.0	56.0	80	75-125	4	30	

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508295 - EPA 3510B GCNV										
Blank (2508295-BLK1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Diesel	ND	1.0	mg/kg							
Motor Oil	ND	1.0	"							
Surrogate: o-Terphenyl	*0.589*		*"*	*0.500*		*118*	*65-135*			
LCS (2508295-BS1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Diesel	44.7	1.0	mg/kg	50.0		89	65-135			
Surrogate: o-Terphenyl	*0.505*		*"*	*0.500*		*101*	*65-135*			
LCS Dup (2508295-BSD1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Diesel	51.5	1.0	mg/kg	50.0		103	65-135	14	30	
Surrogate: o-Terphenyl	*0.495*		*"*	*0.500*		*99*	*65-135*			
Matrix Spike (2508295-MS1)		**Source: 25I1342-61**		Prepared: 10/01/25 Analyzed: 10/02/25						
Diesel	40.8	1.0	mg/kg	50.0	ND	82	59-138			
Surrogate: o-Terphenyl	*0.434*		*"*	*0.500*		*87*	*65-135*			
Matrix Spike Dup (2508295-MSD1)		**Source: 25I1342-61**		Prepared: 10/01/25 Analyzed: 10/02/25						
Diesel	52.1	1.0	mg/kg	50.0	ND	104	59-138	24	37	
Surrogate: o-Terphenyl	*0.583*		*"*	*0.500*		*117*	*65-135*			

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508276 - EPA 3050B										
Blank (2508276-BLK1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Lead	ND	0.25	mg/kg							
LCS (2508276-BS1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Lead	10.3	0.25	mg/kg	10.0		103	75-125			
Matrix Spike (2508276-MS1)		**Source: 25I1347-04**		Prepared: 10/01/25 Analyzed: 10/02/25						
Lead	21.8	2.5	mg/kg	10.0	10.8	110	75-125			
Matrix Spike Dup (2508276-MSD1)		**Source: 25I1347-04**		Prepared: 10/01/25 Analyzed: 10/02/25						
Lead	20.8	2.5	mg/kg	10.0	10.8	100	75-125	4.66	30	
Batch 2508277 - EPA 3050B										
Blank (2508277-BLK1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Lead	ND	0.25	mg/kg							
Arsenic	ND	0.20	"							
LCS (2508277-BS1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Lead	10.2	0.25	mg/kg	10.0		102	75-125			
Arsenic	9.30	0.20	"	10.0		93	75-125			
Matrix Spike (2508277-MS1)		**Source: 25I1400-31**		Prepared: 10/01/25 Analyzed: 10/02/25						
Lead	13.6	2.5	mg/kg	10.0	3.41	102	75-125			
Arsenic	9.86	2.0	"	10.0	ND	99	75-125			
Matrix Spike Dup (2508277-MSD1)		**Source: 25I1400-31**		Prepared: 10/01/25 Analyzed: 10/02/25						
Lead	14.0	2.5	mg/kg	10.0	3.41	106	75-125	3.12	30	
Arsenic	9.34	2.0	"	10.0	ND	93	75-125	5	30	

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508269 - LUFT-DHS GCNV										
Blank (2508269-BLK1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Aldrin	ND	1.0	µg/kg							
alpha-BHC	ND	1.7	"							
beta-BHC	ND	1.7	"							
gamma-BHC (Lindane)	ND	1.7	"							
delta-BHC	ND	1.7	"							
Chlordane-technical	ND	3.3	"							
4,4´-DDD	ND	3.3	"							
4,4´-DDE	ND	3.3	"							
4,4´-DDT	ND	3.3	"							
Dieldrin	ND	1.0	"							
Endosulfan I	ND	1.7	"							
Endosulfan II	ND	3.3	"							
Endosulfan sulfate	ND	3.3	"							
Endrin	ND	3.3	"							
Endrin aldehyde	ND	3.3	"							
Heptachlor	ND	1.7	"							
Heptachlor epoxide	ND	1.7	"							
Methoxychlor	ND	17	"							
Mirex	ND	3.3	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	*8.09*		*"*	*8.33*		*97*	*46-139*			
Surrogate: Decachlorobiphenyl	*8.09*		*"*	*8.33*		*97*	*52-141*			
LCS (2508269-BS1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Aldrin	12.3	1.0	µg/kg	16.7		74	47-132			
gamma-BHC (Lindane)	12.1	1.7	"	16.7		73	56-133			
4,4´-DDT	10.9	3.3	"	16.7		65	46-137			
Dieldrin	12.7	1.0	"	16.7		76	44-143			
Endrin	7.85	3.3	"	16.7		47	30-147			
Heptachlor	11.6	1.7	"	16.7		70	33-148			
Surrogate: Tetrachloro-meta-xylene	*6.59*		*"*	*8.33*		*79*	*46-139*			

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508269 - LUFT-DHS GCNV										
LCS (2508269-BS1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Surrogate: Decachlorobiphenyl	*5.12*		*µg/kg*	*8.33*		*61*	*52-141*			
LCS Dup (2508269-BSD1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Aldrin	13.6	1.0	µg/kg	16.7		81	47-132	10	30	
gamma-BHC (Lindane)	13.2	1.7	"	16.7		79	56-133	9	30	
4,4´-DDT	12.0	3.3	"	16.7		72	46-137	10	30	
Dieldrin	14.2	1.0	"	16.7		85	44-143	11	30	
Endrin	13.5	3.3	"	16.7		81	30-147	53	30	QR-2
Heptachlor	12.8	1.7	"	16.7		77	33-148	10	30	
Surrogate: Tetrachloro-meta-xylene	*7.30*		*"*	*8.33*		*88*	*46-139*			
Surrogate: Decachlorobiphenyl	*6.25*		*"*	*8.33*		*75*	*52-141*			
Matrix Spike (2508269-MS1)	**Source: 25I1400-15**			Prepared: 10/01/25 Analyzed: 10/02/25						**QRL-8**
Aldrin	16.7	5.0	µg/kg	16.7	ND	100	47-138			
gamma-BHC (Lindane)	11.7	8.5	"	16.7	ND	70	38-144			
4,4´-DDT	24.7	17	"	16.7	6.55	109	41-157			
Dieldrin	11.9	5.0	"	16.7	ND	71	46-155			
Endrin	15.9	17	"	16.7	ND	95	34-149			
Heptachlor	11.8	8.5	"	16.7	ND	71	36-155			
Surrogate: Tetrachloro-meta-xylene	*14.4*		*"*	*20.8*		*69*	*46-139*			
Surrogate: Decachlorobiphenyl	*13.4*		*"*	*20.8*		*64*	*52-141*			
Matrix Spike Dup (2508269-MSD1)	**Source: 25I1400-15**			Prepared: 10/01/25 Analyzed: 10/02/25						**QRL-8**
Aldrin	22.0	5.0	µg/kg	16.7	ND	132	47-138	27	35	
gamma-BHC (Lindane)	11.4	8.5	"	16.7	ND	68	38-144	3	35	
4,4´-DDT	23.2	17	"	16.7	6.55	100	41-157	6	35	
Dieldrin	13.1	5.0	"	16.7	ND	79	46-155	10	35	
Endrin	12.6	17	"	16.7	ND	76	34-149	23	35	
Heptachlor	11.4	8.5	"	16.7	ND	68	36-155	3	35	
Surrogate: Tetrachloro-meta-xylene	*13.0*		*"*	*20.8*		*62*	*46-139*			
Surrogate: Decachlorobiphenyl	*15.1*		*"*	*20.8*		*73*	*52-141*			

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508270 - LUFT-DHS GCNV										
Blank (2508270-BLK1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Aldrin	ND	1.0	µg/kg							
alpha-BHC	ND	1.7	"							
beta-BHC	ND	1.7	"							
gamma-BHC (Lindane)	ND	1.7	"							
delta-BHC	ND	1.7	"							
Chlordane-technical	ND	3.3	"							
4,4´-DDD	ND	3.3	"							
4,4´-DDE	ND	3.3	"							
4,4´-DDT	ND	3.3	"							
Dieldrin	ND	1.0	"							
Endosulfan I	ND	1.7	"							
Endosulfan II	ND	3.3	"							
Endosulfan sulfate	ND	3.3	"							
Endrin	ND	3.3	"							
Endrin aldehyde	ND	3.3	"							
Heptachlor	ND	1.7	"							
Heptachlor epoxide	ND	1.7	"							
Methoxychlor	ND	17	"							
Mirex	ND	3.3	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	*9.15*		*"*	*8.33*		*110*	*46-139*			
Surrogate: Decachlorobiphenyl	*8.59*		*"*	*8.33*		*103*	*52-141*			
LCS (2508270-BS1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Aldrin	7.17	1.0	µg/kg	16.7		43	47-132			QM-1
gamma-BHC (Lindane)	7.18	1.7	"	16.7		43	56-133			QM-1
4,4´-DDT	8.11	3.3	"	16.7		49	46-137			
Dieldrin	7.62	1.0	"	16.7		46	44-143			
Endrin	8.06	3.3	"	16.7		48	30-147			
Heptachlor	6.84	1.7	"	16.7		41	33-148			
Surrogate: Tetrachloro-meta-xylene	*4.04*		*"*	*8.33*		*48*	*46-139*			

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COC #:

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508270 - LUFT-DHS GCNV										
LCS (2508270-BS1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Surrogate: Decachlorobiphenyl	*4.97*		*µg/kg*	*8.33*		*60*	*52-141*			
LCS Dup (2508270-BSD1)				Prepared: 10/01/25 Analyzed: 10/02/25						
Aldrin	7.88	1.0	µg/kg	16.7		47	47-132	9	30	
gamma-BHC (Lindane)	9.62	1.7	"	16.7		58	56-133	29	30	
4,4´-DDT	8.39	3.3	"	16.7		50	46-137	3	30	
Dieldrin	7.63	1.0	"	16.7		46	44-143	0.2	30	
Endrin	8.22	3.3	"	16.7		49	30-147	2	30	
Heptachlor	7.99	1.7	"	16.7		48	33-148	16	30	
Surrogate: Tetrachloro-meta-xylene	*4.55*		*"*	*8.33*		*55*	*46-139*			
Surrogate: Decachlorobiphenyl	*4.30*		*"*	*8.33*		*52*	*52-141*			
Matrix Spike (2508270-MS1)	**Source: 25I1400-34**			Prepared: 10/01/25 Analyzed: 10/02/25						
Aldrin	15.6	1.0	µg/kg	16.7	ND	94	47-138			
gamma-BHC (Lindane)	16.0	1.7	"	16.7	ND	96	38-144			
4,4´-DDT	18.4	3.3	"	16.7	ND	110	41-157			
Dieldrin	16.5	1.0	"	16.7	ND	99	46-155			
Endrin	17.0	3.3	"	16.7	ND	102	34-149			
Heptachlor	16.1	1.7	"	16.7	ND	96	36-155			
Surrogate: Tetrachloro-meta-xylene	*19.3*		*"*	*20.8*		*93*	*46-139*			
Surrogate: Decachlorobiphenyl	*21.0*		*"*	*20.8*		*101*	*52-141*			
Matrix Spike Dup (2508270-MSD1)	**Source: 25I1400-34**			Prepared: 10/01/25 Analyzed: 10/02/25						
Aldrin	13.2	1.0	µg/kg	16.7	ND	79	47-138	17	35	
gamma-BHC (Lindane)	13.5	1.7	"	16.7	ND	81	38-144	16	35	
4,4´-DDT	15.0	3.3	"	16.7	ND	90	41-157	20	35	
Dieldrin	14.2	1.0	"	16.7	ND	85	46-155	15	35	
Endrin	14.4	3.3	"	16.7	ND	86	34-149	17	35	
Heptachlor	13.4	1.7	"	16.7	ND	80	36-155	18	35	
Surrogate: Tetrachloro-meta-xylene	*16.1*		*"*	*20.8*		*77*	*46-139*			
Surrogate: Decachlorobiphenyl	*17.4*		*"*	*20.8*		*83*	*52-141*			

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Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508260 - LUFT-DHS GCNV										
Blank (2508260-BLK1)				Prepared: 09/30/25 Analyzed: 10/02/25						
Aroclor 1016	ND	20	µg/kg							
Aroclor 1221	ND	20	"							
Aroclor 1232	ND	20	"							
Aroclor 1242	ND	20	"							
Aroclor 1248	ND	20	"							
Aroclor 1254	ND	20	"							
Aroclor 1260	ND	20	"							
Aroclor 1268	ND	20	"							
Surrogate: Decachlorobiphenyl	*7.60*		"	*8.33*		*91*	*50-150*			
LCS (2508260-BS1)				Prepared: 09/30/25 Analyzed: 10/02/25						
Aroclor 1260	71.1	20	µg/kg	83.3		85	29-131			
Surrogate: Decachlorobiphenyl	*6.79*		"	*8.33*		*82*	*50-150*			
LCS Dup (2508260-BSD1)				Prepared: 09/30/25 Analyzed: 10/02/25						
Aroclor 1260	76.6	20	µg/kg	83.3		92	29-131	7	30	
Surrogate: Decachlorobiphenyl	*7.65*		"	*8.33*		*92*	*50-150*			
Matrix Spike (2508260-MS1)	**Source: 25I1363-03**			Prepared: 09/30/25 Analyzed: 10/02/25						
Aroclor 1260	51.5	20	µg/kg	83.3	ND	62	29-131			
Surrogate: Decachlorobiphenyl	*11.5*		"	*20.8*		*55*	*50-150*			
Matrix Spike Dup (2508260-MSD1)	**Source: 25I1363-03**			Prepared: 09/30/25 Analyzed: 10/02/25						
Aroclor 1260	57.5	20	µg/kg	83.3	ND	69	29-131	11	30	
Surrogate: Decachlorobiphenyl	*14.6*		"	*20.8*		*70*	*50-150*			

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508262 - LUFT-DHS GCMS										
Blank (2508262-BLK1)				Prepared: 09/30/25 Analyzed: 10/02/25						
Acenaphthene	ND	330	µg/kg							
Acenaphthylene	ND	330	"							
Anthracene	ND	330	"							
Benzo (a) anthracene	ND	330	"							
Benzo (b) fluoranthene	ND	330	"							
Benzo (k) fluoranthene	ND	330	"							
Benzo (g,h,i) perylene	ND	330	"							
Benzo (a) pyrene	ND	330	"							
Benzyl alcohol	ND	330	"							
Bis(2-chloroethoxy)methane	ND	330	"							
Bis(2-chloroethyl)ether	ND	330	"							
Bis(2-ethylhexyl)phthalate	ND	330	"							
4-Bromophenyl phenyl ether	ND	330	"							
Butyl benzyl phthalate	ND	330	"							
4-Chloroaniline	ND	330	"							
2-Chloronaphthalene	ND	330	"							
4-Chlorophenyl phenyl ether	ND	330	"							
Chrysene	ND	330	"							
Dibenz (a,h) anthracene	ND	330	"							
Dibenzofuran	ND	330	"							
Di-n-butyl phthalate	ND	330	"							
1,2-Dichlorobenzene	ND	330	"							
1,3-Dichlorobenzene	ND	330	"							
1,4-Dichlorobenzene	ND	330	"							
3,3´-Dichlorobenzidine	ND	670	"							
Diethyl phthalate	ND	330	"							
Dimethyl phthalate	ND	330	"							
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"							
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"							
Di-n-octyl phthalate	ND	330	"							
Fluoranthene	ND	330	"							

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508262 - LUFT-DHS GCMS										
Blank (2508262-BLK1)				Prepared: 09/30/25 Analyzed: 10/02/25						
Fluorene	ND	330	µg/kg							
Indeno (1,2,3-cd) pyrene	ND	330	"							
Isophorone	ND	330	"							
2-Methylnaphthalene	ND	330	"							
Naphthalene	ND	330	"							
2-Nitroaniline	ND	830	"							
3-Nitroaniline	ND	830	"							
4-Nitroaniline	ND	830	"							
Nitrobenzene (NB)	ND	330	"							
N-Nitrosodimethylamine	ND	330	"							
N-Nitrosodiphenylamine	ND	330	"							
N-Nitrosodi-n-propylamine	ND	330	"							
Phenanthrene	ND	330	"							
Bis(2-chloroisopropyl)ether	ND	330	"							
Pyridine	ND	670	"							
Hexachlorobenzene	ND	330	"							
Hexachlorobutadiene	ND	330	"							
Hexachlorocyclopentadiene	ND	330	"							
Hexachloroethane	ND	330	"							
Pyrene	ND	330	"							
1,2,4-Trichlorobenzene	ND	330	"							
4,6-Dinitro-2-methylphenol	ND	830	"							
N-methyl-2-pyrrolidone	ND	330	"							
3 & 4-Methylphenol	ND	330	"							
Phenol	ND	330	"							
2,4,5-Trichlorophenol	ND	330	"							
2,4,6-Trichlorophenol	ND	330	"							
Benzoic acid	ND	830	"							
4-Chloro-3-methylphenol	ND	330	"							
2-Chlorophenol	ND	330	"							
2,4-Dichlorophenol	ND	330	"							

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508262 - LUFT-DHS GCMS										
Blank (2508262-BLK1)				Prepared: 09/30/25 Analyzed: 10/02/25						
2,4-Dimethylphenol	ND	330	µg/kg							
2,4-Dinitrophenol	ND	830	"							
2-Nitrophenol	ND	330	"							
4-Nitrophenol	ND	830	"							
Pentachlorophenol	ND	830	"							
Surrogate: 2-Fluorophenol	*646*		*"*	*1330*		*48*	*25-121*			
Surrogate: Phenol-d6	*696*		*"*	*1330*		*52*	*10-110*			
Surrogate: Nitrobenzene-d5	*770*		*"*	*1330*		*58*	*23-120*			
Surrogate: 2-Fluorobiphenyl	*657*		*"*	*1330*		*49*	*30-115*			
Surrogate: 2,4,6-Tribromophenol	*534*		*"*	*1330*		*40*	*19-122*			
Surrogate: Terphenyl-dl4	*665*		*"*	*1330*		*50*	*18-137*			
LCS (2508262-BS1)				Prepared: 09/30/25 Analyzed: 10/02/25						
Acenaphthene	364	330	µg/kg	667		55	31-137			
1,4-Dichlorobenzene	378	330	"	667		57	19-116			
2,4-Dinitrotoluene (2,4-DNT)	377	330	"	667		57	28-109			
N-Nitrosodi-n-propylamine	412	330	"	667		62	41-126			
Pyrene	370	330	"	667		55	35-142			
1,2,4-Trichlorobenzene	408	330	"	667		61	38-117			
Phenol	399	330	"	667		60	6-125			
4-Chloro-3-methylphenol	376	330	"	667		56	26-122			
2-Chlorophenol	391	330	"	667		59	25-132			
4-Nitrophenol	1090	830	"	667		164	11-124			QC-4H
Pentachlorophenol	385	830	"	667		58	17-119			
Surrogate: 2-Fluorophenol	*675*		*"*	*1330*		*51*	*25-121*			
Surrogate: Phenol-d6	*679*		*"*	*1330*		*51*	*10-110*			
Surrogate: Nitrobenzene-d5	*757*		*"*	*1330*		*57*	*23-120*			
Surrogate: 2-Fluorobiphenyl	*653*		*"*	*1330*		*49*	*30-115*			
Surrogate: 2,4,6-Tribromophenol	*595*		*"*	*1330*		*45*	*19-122*			
Surrogate: Terphenyl-dl4	*692*		*"*	*1330*		*52*	*18-137*			

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508262 - LUFT-DHS GCMS										
LCS Dup (2508262-BSD1)				Prepared: 09/30/25 Analyzed: 10/02/25						
Acenaphthene	358	330	µg/kg	667		54	31-137	2	20	
1,4-Dichlorobenzene	381	330	"	667		57	19-116	0.7	27	
2,4-Dinitrotoluene (2,4-DNT)	384	330	"	667		58	28-109	2	45	
N-Nitrosodi-n-propylamine	416	330	"	667		62	41-126	1	38	
Pyrene	356	330	"	667		53	35-142	4	36	
1,2,4-Trichlorobenzene	415	330	"	667		62	38-117	2	23	
Phenol	397	330	"	667		60	6-125	0.4	35	
4-Chloro-3-methylphenol	376	330	"	667		56	26-122	0.09	33	
2-Chlorophenol	389	330	"	667		58	25-132	0.4	45	
4-Nitrophenol	1080	830	"	667		162	11-124	1	45	QC-4H
Pentachlorophenol	374	830	"	667		56	17-119	3	47	
Surrogate: 2-Fluorophenol	*632*		"	*1330*		*47*	*25-121*			
Surrogate: Phenol-d6	*638*		"	*1330*		*48*	*10-110*			
Surrogate: Nitrobenzene-d5	*725*		"	*1330*		*54*	*23-120*			
Surrogate: 2-Fluorobiphenyl	*635*		"	*1330*		*48*	*30-115*			
Surrogate: 2,4,6-Tribromophenol	*557*		"	*1330*		*42*	*19-122*			
Surrogate: Terphenyl-dl4	*642*		"	*1330*		*48*	*18-137*			
Matrix Spike (2508262-MS1)		**Source: 25I1363-03**		Prepared: 09/30/25 Analyzed: 10/03/25						
Acenaphthene	322	330	µg/kg	667	ND	48	31-137			
1,4-Dichlorobenzene	331	330	"	667	ND	50	28-104			
2,4-Dinitrotoluene (2,4-DNT)	355	330	"	667	ND	53	28-105			
N-Nitrosodi-n-propylamine	394	330	"	667	ND	59	41-126			
Pyrene	311	330	"	667	ND	47	35-142			
1,2,4-Trichlorobenzene	370	330	"	667	ND	56	38-107			
Phenol	366	330	"	667	ND	55	6-125			
4-Chloro-3-methylphenol	358	330	"	667	ND	54	26-103			
2-Chlorophenol	369	330	"	667	ND	55	25-102			
4-Nitrophenol	1250	830	"	667	ND	188	11-114			A-COM
Pentachlorophenol	163	830	"	667	ND	24	17-109			
Surrogate: 2-Fluorophenol	*620*		"	*1330*		*46*	*25-121*			

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508262 - LUFT-DHS GCMS										
Matrix Spike (2508262-MS1)	**Source: 25I1363-03**			Prepared: 09/30/25 Analyzed: 10/03/25						
Surrogate: Phenol-d6	*625*		*µg/kg*	*1330*		*47*	*10-110*			
Surrogate: Nitrobenzene-d5	*699*		*"*	*1330*		*52*	*23-120*			
Surrogate: 2-Fluorobiphenyl	*576*		*"*	*1330*		*43*	*30-115*			
Surrogate: 2,4,6-Tribromophenol	*533*		*"*	*1330*		*40*	*19-122*			
Surrogate: Terphenyl-dl4	*598*		*"*	*1330*		*45*	*18-137*			
Matrix Spike Dup (2508262-MSD1)	**Source: 25I1363-03**			Prepared: 09/30/25 Analyzed: 10/03/25						
Acenaphthene	323	330	µg/kg	667	ND	48	31-137	0.1	20	
1,4-Dichlorobenzene	357	330	"	667	ND	54	28-104	8	27	
2,4-Dinitrotoluene (2,4-DNT)	346	330	"	667	ND	52	28-105	2	45	
N-Nitrosodi-n-propylamine	403	330	"	667	ND	61	41-126	2	38	
Pyrene	326	330	"	667	ND	49	35-142	5	36	
1,2,4-Trichlorobenzene	387	330	"	667	ND	58	38-107	4	23	
Phenol	376	330	"	667	ND	56	6-125	3	35	
4-Chloro-3-methylphenol	349	330	"	667	ND	52	26-103	3	33	
2-Chlorophenol	380	330	"	667	ND	57	25-102	3	45	
4-Nitrophenol	1260	830	"	667	ND	189	11-114	0.5	45	A-COM
Pentachlorophenol	149	830	"	667	ND	22	17-109		47	
Surrogate: 2-Fluorophenol	*625*		*"*	*1330*		*47*	*25-121*			
Surrogate: Phenol-d6	*638*		*"*	*1330*		*48*	*10-110*			
Surrogate: Nitrobenzene-d5	*712*		*"*	*1330*		*53*	*23-120*			
Surrogate: 2-Fluorobiphenyl	*570*		*"*	*1330*		*43*	*30-115*			
Surrogate: 2,4,6-Tribromophenol	*508*		*"*	*1330*		*38*	*19-122*			
Surrogate: Terphenyl-dl4	*607*		*"*	*1330*		*46*	*18-137*			

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

TPH-Gasoline by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508307 - EPA 3510B GCMS										
Blank (2508307-BLK1)				Prepared & Analyzed: 09/30/25						
Gasoline	ND	0.20	mg/kg							
Surrogate: Toluene-d8	*0.0290*		*"*	*0.0300*		*97*	*65-135*			
LCS (2508307-BS1)				Prepared & Analyzed: 09/30/25						
Gasoline	2.19	0.20	mg/kg	2.00		110	65-135			
Surrogate: Toluene-d8	*0.0298*		*"*	*0.0300*		*99*	*65-135*			
LCS Dup (2508307-BSD1)				Prepared & Analyzed: 09/30/25						
Gasoline	2.15	0.20	mg/kg	2.00		108	65-135	2	30	
Surrogate: Toluene-d8	*0.0298*		*"*	*0.0300*		*99*	*65-135*			
Matrix Spike (2508307-MS1)		**Source: 25I1400-51**		Prepared & Analyzed: 09/30/25						
Gasoline	1.62	0.20	mg/kg	2.00	ND	81	63-124			
Surrogate: Toluene-d8	*0.0295*		*"*	*0.0300*		*98*	*65-135*			
Matrix Spike Dup (2508307-MSD1)		**Source: 25I1400-51**		Prepared & Analyzed: 09/30/25						
Gasoline	1.50	0.20	mg/kg	2.00	ND	75	63-124	8	35	
Surrogate: Toluene-d8	*0.0302*		*"*	*0.0300*		*101*	*65-135*			

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508307 - EPA 3510B GCMS										
Blank (2508307-BLK1)				Prepared & Analyzed: 09/30/25						
Benzene	ND	5.0	µg/kg							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	10	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	10	"							
p-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	10	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							ELAP1
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane (Freon 12)	ND	10	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							ELAP1
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508307 - EPA 3510B GCMS										
Blank (2508307-BLK1)				Prepared & Analyzed: 09/30/25						
Ethylbenzene	ND	5.0	µg/kg							
Hexachlorobutadiene	ND	5.0	"							
Methylene chloride	ND	20	"							
4-Methyl-2-pentanone	ND	50	"							
Acetone	ND	100	"							
Methyl tert-butyl ether	ND	5.0	"							
2-Butanone	ND	100	"							
Naphthalene	ND	5.0	"							
o-Chlorotoluene	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"							
2-Hexanone	ND	50	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
Isopropylbenzene	ND	50	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							ELAP1
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508307 - EPA 3510B GCMS										
Blank (2508307-BLK1)				Prepared & Analyzed: 09/30/25						
1,2,3-Trichloropropane	ND	5.0	µg/kg							ELAP1
Vinyl chloride	ND	10	"							
Xylenes (total)	ND	10	"							
Di-isopropyl ether	ND	5.0	"							
Ethyl tert-butyl ether	ND	5.0	"							
tert-Amyl methyl ether	ND	5.0	"							ELAP1
tert-Butyl alcohol	ND	50	"							ELAP1
Surrogate: 1,2-Dichloroethane-d4	*25.2*		*"*	*30.0*		*84*	*50-125*			
Surrogate: Toluene-d8	*29.0*		*"*	*30.0*		*97*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*35.0*		*"*	*30.0*		*117*	*50-128*			
LCS (2508307-BS1)				Prepared & Analyzed: 09/30/25						
Benzene	20.5	5.0	µg/kg	20.0		103	64-135			
Chlorobenzene	20.2	5.0	"	20.0		101	67-133			
1,1-Dichloroethene	20.6	5.0	"	20.0		103	53-137			
Toluene	19.8	5.0	"	20.0		99	61-138			
Trichloroethene	21.3	5.0	"	20.0		106	64-130			
Surrogate: 1,2-Dichloroethane-d4	*25.4*		*"*	*30.0*		*85*	*50-125*			
Surrogate: Toluene-d8	*29.8*		*"*	*30.0*		*99*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*31.8*		*"*	*30.0*		*106*	*50-128*			
LCS Dup (2508307-BSD1)				Prepared & Analyzed: 09/30/25						
Benzene	20.2	5.0	µg/kg	20.0		101	64-135	1	30	
Chlorobenzene	20.3	5.0	"	20.0		101	67-133	0.6	30	
1,1-Dichloroethene	20.5	5.0	"	20.0		102	53-137	0.5	30	
Toluene	19.9	5.0	"	20.0		99	61-138	0.2	30	
Trichloroethene	21.1	5.0	"	20.0		106	64-130	0.7	30	
Surrogate: 1,2-Dichloroethane-d4	*24.6*		*"*	*30.0*		*82*	*50-125*			
Surrogate: Toluene-d8	*29.8*		*"*	*30.0*		*99*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*30.9*		*"*	*30.0*		*103*	*50-128*			

Youngdahl & Associates	Project:	The Reserve Phase II ESA
1234 Glenhaven Court	Project Number:	E22325.003
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret

CLS Work Order #: 25I1400
COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2508307 - EPA 3510B GCMS										
Matrix Spike (2508307-MS1)	**Source: 25I1400-51**			Prepared & Analyzed: 09/30/25						
Benzene	19.2	5.0	µg/kg	20.0	ND	96	58-139			
Chlorobenzene	18.1	5.0	"	20.0	ND	91	62-134			
1,1-Dichloroethene	17.0	5.0	"	20.0	ND	85	53-152			
Toluene	18.5	5.0	"	20.0	ND	93	58-139			
Trichloroethene	19.3	5.0	"	20.0	ND	96	55-138			
Surrogate: 1,2-Dichloroethane-d4	*27.6*		*"*	*30.0*		*92*	*50-125*			
Surrogate: Toluene-d8	*29.5*		*"*	*30.0*		*98*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*31.3*		*"*	*30.0*		*104*	*50-128*			
Matrix Spike Dup (2508307-MSD1)	**Source: 25I1400-51**			Prepared & Analyzed: 09/30/25						
Benzene	17.6	5.0	µg/kg	20.0	ND	88	58-139	9	30	
Chlorobenzene	16.5	5.0	"	20.0	ND	82	62-134	10	30	
1,1-Dichloroethene	16.1	5.0	"	20.0	ND	81	53-152	5	30	
Toluene	17.0	5.0	"	20.0	ND	85	58-139	9	30	
Trichloroethene	17.5	5.0	"	20.0	ND	87	55-138	10	30	
Surrogate: 1,2-Dichloroethane-d4	*33.8*		*"*	*30.0*		*113*	*50-125*			
Surrogate: Toluene-d8	*30.2*		*"*	*30.0*		*101*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*32.2*		*"*	*30.0*		*107*	*50-128*			

Youngdahl & Associates	Project:	The Reserve Phase II ESA	
1234 Glenhaven Court	Project Number:	E22325.003	**CLS Work Order #: 25I1400**
El Dorado Hills, CA 95762	Project Manager:	Nancy Malaret	COC #:

Notes and Definitions

TPH-X	Although the sample contains compounds in the retention time range of target parameter, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on the target parameter.
QS-4	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QRL-8	The extract of this sample was dark and/or oily. Therefore, the sample was analyzed with a dilution and the reporting limit was raised for all target compounds.
QR-2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-5	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-1	The spike recovery was outside acceptance limits for the LCS or LCSD. The batch was accepted based on acceptable MS/MSD recoveries & RPD's.
QC-4H	The percent recovery of LCS or LCSD was above the upper control limit; however, all analytes in the associated sample were ND; therefore, a reanalysis was not performed.
ELAP1	The analysis is not ELAP-certified; the result is reported per the client's request.
A-COM	The MS/MSD percent recovery was outside the control limit; however, all analytes in the associated sample were ND; therefore, a reanalysis was not performed.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MicroTest Laboratories Inc. NVLAP Code: 200999-0
3110 Gold Canal Dr. Ste. A. Rancho Cordova, CA 95670
PH 916.567.9808 | FX 916.404.0302
www.microtestlabsinc.com | service@microtestlabsinc.com

Project ID

MT012572533

CLIENT INFORMATION

Company California Laboratory Services
Name Shellie Furnas
Address 3249 Fitzgerald Road
Rancho Cordova, CA 95742
Phone (916) 638 - 7301
Email sub@californialab.com

SAMPLE

Date Monday, September 29, 2025
Time

MicroTest Laboratories
Test Report

JOB SITE INFORMATION

Sampler
Project 25I1400
Address

POLARIZED LIGHT MICROSCOPY (PLM) – CARB 435 Level A / 400 Point Count (0.25%)
EPA METHOD 600 / R-93 / 116 & EPA – 40 CFR Appendix E to Subpart E of Part 763

Client Sample ID	Laboratory Sample ID	Client Description	Laboratory Description	Non Fibrous / Fibrous Materials	Asbestiform Minerals %
SP1	72533-1	09/29/25 08:30	Brown Soil Non-Fibrous Homogenous	100% Binder	None Detected
SP1D	72533-2	09/29/25 08:30	Brown Soil Non-Fibrous Homogenous	100% Binder	None Detected
SP2	72533-3	09/29/25 08:31	Brown Soil Non-Fibrous Homogenous	100% Binder	None Detected
SP3	72533-4	09/29/25 08:34	Brown Soil Non-Fibrous Homogenous	100% Binder	None Detected
SP4	72533-5	09/29/25 08:36	Brown Soil Non-Fibrous Homogenous	100% Binder	None Detected
SP5	72533-6	09/29/25 08:38	Brown Soil Non-Fibrous Homogenous	100% Binder	None Detected
SP6	72533-7	09/29/25 08:41	Brown Soil Non-Fibrous Homogenous	100% Binder	None Detected
SP7	72533-8	09/29/25 08:46	Brown Soil Non-Fibrous Homogenous	100% Binder	None Detected
SP8	72533-9	09/29/25 08:49	Brown Soil Non-Fibrous Homogenous	100% Binder	None Detected

Date Received: Tuesday, September 30, 2025
Date Analyzed: Thursday, October 02, 2025
Date Reported: Tuesday, October 07, 2025

Analyst: Andres De Ferrari

Authorized Signatory:

Kelly Favero - Lab Manager

MicroTest Laboratories Inc. NVLAP Code: 200999-0
3110 Gold Canal Dr. Ste. A. Rancho Cordova, CA 95670
PH 916.567.9808 | FX 916.404.0302
www.microtestlabsinc.com | service@microtestlabsinc.com

Project ID

MT012572533

CLIENT INFORMATION

Company California Laboratory Services
Name Shellie Furnas
Address 3249 Fitzgerald Road
Rancho Cordova, CA 95742
Phone (916) 638 - 7301
Email sub@californialab.com

SAMPLE

Date Monday, September 29, 2025
Time

JOB SITE INFORMATION

Sampler
Project 25I1400
Address

MicroTest Laboratories

Notes and Definitions

Notes and Definitions

This document serves as the final report. The results apply only to the sample as received. Due to the inherent limitations of Polarized Light Microscopy (PLM) and the complexity of certain sample matrices, some materials classified as "None Detected" (ND) for asbestos (e.g., floor tiles or similar materials) may require further analysis. MicroTest Laboratories recommends additional testing using PLM and/or Transmission Electron Microscopy (TEM) with gravimetric reduction preparation.

Soil, rock and Vermiculite matrices present analytical challenges. MicroTest recommends homogenization by milling before PLM analysis. The thermal breakdown of asbestos fibers can change their properties, causing them to exhibit different mineral characteristics. Even if altered asbestos isn't counted by the method used, OSHA and various state regulations still recognize it as asbestos. PLM analysis will determine the presence of non-altered asbestos, but fire-altered, former asbestos fibers will be reported as an “Altered” Asbestiform result. Materials commonly seen with fire-altered minerals include, but are not limited to, cementitious sidings, tiles, textures, joint compounds, and fibrous backings. Due to the potential for incomplete or partial decomposition, additional analysis by TEM is advisable.

The reporting limit for calibrated visual area estimation quantitation procedures is 1%. The reporting limits for 400-point count and 1000-point count quantitation procedures are 0.25% and 0.1%, respectively. Samples are considered acceptable unless otherwise noted. Each layer of a sample is analyzed separately unless it consists of multiple manufactured layers (e.g., linoleum, drywall) or if otherwise specified by the client.

Samples received from multiple homogeneous areas and placed in a single bag were analyzed using MicroTest’s MT Sub-sampling Standard Operating Procedures. This method ensures unambiguous and reliable analysis despite the combined nature of the samples received.

All samples will be retained for a minimum of 30 days before disposal. Bench sheets detailing sampling methodologies can be provided upon request. This report must not be used by the client to imply product endorsement by NVLAP or any agency of the U.S. Government. This report may only be reproduced in its entirety with the written approval of MicroTest Laboratories, Inc.

Estimated Positive Error Ranges
<1% - 2% : +/- 1%
3 - 20% : +/- 6%
21 - 50% : +/- 17%
51+% : +/- 23%

Total Samples Received: 9 Total layers analyzed: 9

Authorized Signatory:

Kelly Favero - Lab Manager

SUBCONTRACT ORDER

25I1400

Project ID: 72533
Client: CLS
Received Date: 09/30/25
Count: 9 **TAT:** 5 Day

SENDING LABORATORY:

CLS Labs
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742
Phone: 916-638-7301
Fax: 916-638-4510
Project Manager: Client Services
[redacted]

RECEIVING LABORATORY:

MicroTest Laboratories, Inc.
3110 Gold Canal Dr, Ste A
Rancho Cordova, CA 95670
Phone :(916) 567-9808
Fax: (916) 404-0302

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Asbestos-Soil SUB	5	10/07/25 15:00	03/28/26 08:30	25I1400-51	09/29/25 08:30	09/29/25 12:31	Soil

Client sample ID: SP1
Laboratory sample ID: 25I1400-51
Please use client sample ID on all reports

[redacted]
CARB 435 A

Containers Supplied:
4 oz. jar (A)

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Asbestos-Soil SUB	5	10/07/25 15:00	03/28/26 08:30	25I1400-52	09/29/25 08:30	09/29/25 12:31	Soil

Client sample ID: SP1D
Laboratory sample ID: 25I1400-52
Please use client sample ID on all reports

[redacted]
CARB 435 A

Containers Supplied:
4 oz. jar (A)

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Asbestos-Soil SUB	5	10/07/25 15:00	03/28/26 08:31	25I1400-53	09/29/25 08:31	09/29/25 12:31	Soil

Client sample ID: SP2
Laboratory sample ID: 25I1400-53
Please use client sample ID on all reports

[redacted]
CARB 435 A

Containers Supplied:
4 oz. jar (A)

A.N	09/30/25		9/30/25	1245
Relinquished By	Date	Received By	Date	
	9/30/25 1300	mtol f/c Emma Creeper	9/30/25	1:00PM
Relinquished By	Date	Received By	Date	
CLS				
Shipped By	Airbill Number			

SUBCONTRACT ORDER

25I1400

Project ID: 72533
Client: CLS
Received Date: 09/30/25
Count: 9 **TAT:** 5 Day

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Asbestos-Soil SUB	5	10/07/25 15:00	03/28/26 08:34	25I1400-54	09/29/25 08:34	09/29/25 12:31	Soil

Client sample ID: SP3
Laboratory sample ID: 25I1400-54
Please use client sample ID on all reports

Samplers
CARB 435 A

Containers Supplied:
4 oz. jar (A)

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Asbestos-Soil SUB	5	10/07/25 15:00	03/28/26 08:36	25I1400-55	09/29/25 08:36	09/29/25 12:31	Soil

Client sample ID: SP4
Laboratory sample ID: 25I1400-55
Please use client sample ID on all reports

Samplers
CARB 435 A

Containers Supplied:
4 oz. jar (A)

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Asbestos-Soil SUB	5	10/07/25 15:00	03/28/26 08:38	25I1400-56	09/29/25 08:38	09/29/25 12:31	Soil

Client sample ID: SP5
Laboratory sample ID: 25I1400-56
Please use client sample ID on all reports

Samplers
CARB 435 A

Containers Supplied:
4 oz. jar (A)

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Asbestos-Soil SUB	5	10/07/25 15:00	03/28/26 08:41	25I1400-57	09/29/25 08:41	09/29/25 12:31	Soil

Client sample ID: SP6
Laboratory sample ID: 25I1400-57
Please use client sample ID on all reports

Samplers
CARB 435 A

Containers Supplied:
4 oz. jar (A)

A.N	09/30/25		9/30/25	1245
Relinquished By	Date	Received By	Date	
	9/30/25 1300	MTG Ec Emma Creeper	9/30/25	1:00 PM
Relinquished By	Date	Received By	Date	
CLS				
Shipped By	Airbill Number			

SUBCONTRACT ORDER

25I1400

Project ID: 72533
Client: CLS
Received Date: 09/30/25
Count: 9 **TAT:** 5 Day

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Asbestos-Soil SUB	5	10/07/25 15:00	03/28/26 08:46	25I1400-58	09/29/25 08:46	09/29/25 12:31	Soil

Client sample ID: SP7
Laboratory sample ID: 25I1400-58
Please use client sample ID on all reports

[redacted]
CARB 435 A

Containers Supplied:
4 oz. jar (A)

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Asbestos-Soil SUB	5	10/07/25 15:00	03/28/26 08:49	25I1400-59	09/29/25 08:49	09/29/25 12:31	Soil

Client sample ID: SP8
Laboratory sample ID: 25I1400-59
Please use client sample ID on all reports

[redacted]
CARB 435 A

Containers Supplied:
4 oz. jar (A)

A.N	09/30/25		9/30/25	1245
Relinquished By	Date	Received By	Date	
	9/30/25 1300	Mary Ee Emma Aleja	9/30/25	1:00 pm
Relinquished By	Date	Received By	Date	
CLS				
Shipped By	Airbill Number			

APPENDIX E

FIRE MANAGEMENT PLAN

PREMIER HOMES

THE RESERVE
FIRE MANAGEMENT PLAN

Prepared for:
Town of Loomis
Planning Department

Prepared by:
Premier Homes LLC

August 28, 2025

INTRODUCTION

This Fire Management Plan ("Plan") has been prepared to minimize potential loss of life and property due to a wildfire at The Reserve community in the Town of Loomis.

The goals of the FMP are to:

- Provide safe evacuation and emergency vehicle access routes
- Reduce fire intensity near structures
- Protect valuable natural resources
- Minimize the spread of fires
- Limit fire size
- Minimize the number of fire ignitions

VEGETATION MODIFICATION

Roadside Clearance

Roadside clearing will allow safer access for firefighters and emergency vehicles and safer evacuation of residents.

1. Remove all shrubs and bushes, excepting irrigated landscaping and trees, and maintain grasses at or below 4 inches within a 10-foot roadside clearance zone.
2. Prune all lower limbs from residual trees within 10 feet of the road to 10 feet above the ground or 1/3 of the live crown height, whichever is less.
3. Maintain at least 15 feet vertical clearance over roads.

Defensible Space Around Structures

Create defensible space around all structures. Defensible space is the area around structures that will give firefighters a reasonable chance of protecting it from wildfire or to prevent a structure fire from moving into the wildland area. Create and maintain this area by removing brush, flammable vegetation or combustible growth that is located within at least 100 feet on each side of all structures or to the property line, if closer. Defensible space does not need to be bare. Trees or other vegetation that are well-pruned, widely spaced and maintained so as to effectively manage fuels, can be retained to protect soils from erosion and for aesthetics as long as they do not form a means of rapidly transmitting fire from the native growth to a structure. When implementing the vegetation clearances recommended in this Plan for defensible space, consider the following points:

1. Remove and dispose of all dead trees, plants and slash.
2. Remove deadwood from trees adjacent to or overhanging a structure.
3. Cut or remove all weeds and native grasses annually prior to fire season. Weeds and native grass generally should not exceed 4 to 6 inches in height within the defensible space around buildings and structures. However, in the area located more than 30 feet from buildings and structures, flammable vegetation may be maintained up to 18 inches in height.

4. Prune all lower limbs from trees to keep the leaf or needle line at least 10 feet above the ground or 1/3 of the live crown height, whichever is less.
5. Remove that portion of any tree that extends within 10 feet of the outlet of a chimney or flue.
6. Brush, shrubs and small trees left in the defensible space should be separated horizontally from other similar vegetation. Small grouping of plants is permissible if spacing is maintained between the group and other vegetation. Because vegetation grows, continuing maintenance and thinning will be required to meet this guideline.

CalFire provides good guidance for defensible space management on their website at: https://www.fire.ca.gov/dspace

Initial Clean-Up

Prior to or during land development activities, a one-time vegetation removal and clean up in accordance with above roadside clearance and defensible space modification measures should be completed.

CC&Rs

The vegetation modifications included in this chapter should be included in the Covenants, Conditions & Restrictions for the community.

BUILDING MATERIALS

Wildfires will spread to homes in three ways:

- By flames directly touching the home.
- By heat radiating in front of the fire.
- By burning embers driven by the wind.

Vegetation clearances recommended in this Plan should mitigate the first risk and substantially reduce the second risk under most fire weather conditions. However, the threat of radiating heat in front of a fire and burning embers will be a continuing risk regardless of clearances. These threats can be further reduced by eliminating places where embers can lodge and by maximizing the use of non-combustible building materials.

To that extent, the California 2025 Building Code (taking effect Jan 1, 2026) requires homes to be both flame-resistant and ember-resistant during wildfires by introducing stricter standards for new construction and renovations, including fire-resistant materials, ember-resistant zones, and enhanced safety features, like fire-resistant roofs, fire-resistant siding and the exclusive use of non-flammable materials in the first 5 feet around a home (e.g. gravel or concrete pavers). As the 2025 code-cycle revisions represent a significant upgrade to the previous Wildland-Urban Interface Fire Area Building Standards, implementation of the new building code construction methods at The Reserve will further reduce risks two and three above.

Homes within The Reserve should strictly adhere to the new fire-safety measures in the 2025 building code.

SERVICE PROVIDER

Fire protection services for The Reserve are provided by the South Placer Fire Protection District. The closest fire stations to the community are Station 16 located at 5300 Olive Ranch Road in Granite Bay and Station 18 located at 5840 Horseshoe Bar Road in Loomis. Both stations are roughly 3.5 miles away with an approximate response time of 10 minutes.

COMMUNITY DESIGN

Any home at The Reserve shall comply with the SPFD Fire Code and Ordinance.

Ingress & Egress

The Reserve site layout was reviewed by SPFD fire prevention staff and, as proposed, the cul-de-sac road was found to be compliant with the district's standards for ingress and egress during a wildfire incident. A second emergency vehicle access point is not required. Full improvement plan review and approval by SPFD shall be required prior to construction of the community.

Roadways

Reserve Court shall be a two-lane roadway with a lane width of 12 feet each. The road shall allow for parking on one side through the addition of sufficient pavement to allow for an unobstructed width of not less than 20 feet with a parked vehicle.

Driveways

Driveways at The Reserve shall be a minimum of 12 feet wide. Unless full sight distance is maintained for the entire driveway, driveways exceeding a length of 150 feet should provide a turnout at the midpoint. Driveways shall be surfaced with asphalt or concrete.

Driveway Gates

Gate entrances shall be at least two feet wider than the width of the driveway. Gates shall open in a way that allows a vehicle to stop without obstructing traffic on the roadway. Gates shall be accessible to the fire district via an approved electric key switch, strobe entry and pedestrian gate. Gates must include an emergency power source to automatically open in the event of a power failure and remain open during such emergencies.

APPENDIX F

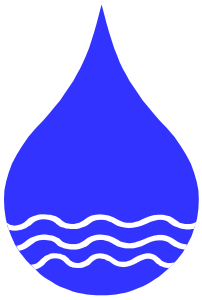
PRELIMINARY HYDROLOGIC AND HYDRAULIC STUDY

THE RESERVE

TOWN OF LOOMIS, CA

PRELIMINARY HYDROLOGIC AND HYDRAULIC STUDY

VERTICAL DATUM: NGVD29



Original Submittal: September 27, 2024
Revised Submittal: July 16, 2025

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APPENDIX A – Vicinity Map

APPENDIX B – FEMA Map

APPENDIX C – Tentative Subdivision Map & Web Soil Survey

APPENDIX D – Shed Maps

APPENDIX E – Hydrology

APPENDIX F – Hydraulics

APPENDIX G – Storm Water Quality

I. INTRODUCTION

This report presents hydrologic and hydraulic analyses for The Reserve Subdivision (Project) by Premier 40, LLC, located in the Town of Loomis, Placer County, California (See Appendix A – Vicinity Map). This report estimates storm flow hydrology and hydraulics as outlined in the *Town of Loomis Land Development Manual* (Reference 1, hereinafter referred to as the *Manual*) and the *Placer County Stormwater Management Manual* (Reference 2, hereinafter referred to as the *SWMM*). Additionally, this report presents Low Impact Development (LID) Storm Water Quality calculations as outlined in the *West Placer – Storm Water Quality Design Manual* (Reference 3, hereinafter referred to as the *LID Manual*).

II. PROJECT LOCATION AND DESCRIPTION

The Project is proposed as a residential subdivision development located on 26.29± acres of currently undeveloped land in the Town of Loomis, Placer County. The site is located in the southwest corner of Rocklin Road and Barton Road (5780 Rocklin Road). Existing roadway improvements (Rocklin Road) border the Project to the north. Existing roadway improvements (Barton Road) border the Project east. Existing developed single-family large-lot parcels border the Project to the south and west. A large parcel (Parcel 2 – APN: 045-161-034) is situated between the Project site and the actual southwest corner of Rocklin and Barton Roads. This parcel (13.78± acres) is mostly undeveloped, with exception to agricultural fields and a small fruit stand structure.

See Vicinity Map – Appendix A

The development is proposed as a 20-lot residential subdivision and public right-of-way dedications along Rocklin and Barton Roads. The Project will construct roadway improvements, underground utilities and buildable areas on the proposed residential lots (see Tentative Subdivision Map – Appendix C). The Project's proposed improvements generally consist of the following:

- 20 Single-Family Residential Lots (Average Lot Size – 54,628 SF);
- 1.21± acres of Public Right-of-Way;
- A paved single cul-de-sac to serve the subdivision (Private)
    - Concrete curb, gutter & sidewalk (one side of road only)
- Offsite (Frontage Widening) Improvements along Rocklin Road
    - Pavement widening
    - Concrete curb, gutter & sidewalk
    - Frontage Soundwall (or Fence)
- Offsite (Frontage Widening) Improvements along Barton Road
    - Pavement Widening + Entrance Tapers
    - 3-FT Bike Lane
    - Roadway Shoulder Grading & AC Curb
- Onsite & Offsite underground utilities;
- Water Quality (Vegetated) Swales, Preservation of Existing Tree Canopy and Preservation of Naturally Vegetated Areas (Buffers)

III. HYDROLOGY

METHODS

The methodology contained in this preliminary study is in compliance with the procedures presented in the *Manual and SWMM*. A hydrologic analysis was completed to estimate storm runoff from the proposed project. The drainage sheds and flow patterns for the undeveloped and developed conditions were determined from existing topography and the proposed preliminary grading plan. Both the Existing Shed Maps and Preliminary Developed Shed Maps can be seen in Appendix – D.

The *SWMM's – Peak Flows from Small Watersheds* was used to determine both the 10-year storm (for analysis of the local onsite storm drain system) and 100-year storm (for analysis of the overland flow routes). The associated detailed analysis, calculations, and estimates can be seen in Appendices – E & F.

EXISTING SITE CONDITIONS AND HYDROLOGY

Previously stated, the Project site encompasses 26.29± acres of undeveloped land and adjacent existing roadway improvements on Rocklin Road and Barton Road (See Appendix D – Existing Shed Maps). The property is located within the Town of Loomis and the County of Placer. Existing Conditions FEMA designation and Soil Group Classification are identified, as follows:

- FEMA National Flood Hazard Layer FIRMette Map, included in Appendix B, shows *The Project* is located within Non-Shaded Flood Zone "X" (Areas of Minimal Flood Hazard). There are no proposed building sites within a FEMA-designated Flood Zone or Special Flood Hazard Area (see Appendix B – FEMA Map).

- Onsite soils belong to the Hydrologic Soil Group "B" (Reference 4, Soil Survey of Placer County, California – Western Part). An infiltration rate of 0.18 inches per hour for Natural Covers – Woodland, Grass – Fair Quality (per Table 5-3 of the *SWMM*) has been assumed for the site under existing conditions and underlying soils.

Native grasses, and heavily wooded rolling terrain comprise the majority of the site's ground cover. The existing drainage patterns are shown on the Existing Shed Maps (Appendix – D). The majority of the existing Project site, including adjacent Parcel 2, drain from the northeast to the southwest corner (denoted as Sheds X1 – X11). The southeast corner of the Project site (Shed X13) drains from northwest to southeast and discharges offsite to the south along Barton Road. Additionally, (6) six offsite drainage sheds (denoted as Sheds O1 – O2, O4 – O7) contribute runoff to and through the Project site to the southwest corner. The southwest corner of the site (shown as Shed X1) is a large pond, containing water year round, receiving runoff from the Project site and adjacent properties to the south and west. Sheds X1 – X13 and O1 – O7 are more specifically described as follows:

SHED X1	The southwest corner of the Project site at 4.42± acres. Shed X1 is most defined as a year round pond, receiving runoff from the site and adjacent properties to the south and west. Stormwater collected in Shed X1 eventually discharges westerly (offsite) to natural conveyances of the Dry Creek watershed.
SHEDS X2 –X9 & X11	The majority of the Project site and adjacent Parcel 2 (APN: 045-161-034) totaling 33.87± acres. Generated runoff flows from the northeast to the southwest via natural drainage swales, entering the existing pond (Shed X1) in several locations.
SHEDS X8 & X10	Drainage sheds within the limits of the Project boundary and Parcel 2; however, located on the north side of Rocklin Road totaling 1.10± acres. Sheds X8 & X10 are characterized mostly by existing roadway runoff. Generated runoff is conveyed by existing roadside ditches to (2) two separate cross-culverts on Rocklin Road. Stormwater is then conveyed across Rocklin Road to the Project site and Parcel 2, combining with Sheds X2 –X9 & X11.
SHED X12	A small portion of Rocklin Road (north side) at 0.06± acres (2,500± SF) draining to an existing roadside ditch. Although technically within the Project's boundary, runoff from this small roadway shed, drain westerly down Rocklin Road to existing offsite drainage conveyances.
SHED X13	The southeast corner of the Project site at 0.99± acres. Shed X13 sheet flows east towards Barton Road and combines with offsite runoff from Shed O3. Runoff is conveyed south via existing AC curb along the west side of the road and discharges south along Barton Road.
SHEDS O1 & O2	Existing offsite drainage sheds contributing runoff to the Project site at 3.51± acres (See Offsite Existing Shed Map – EXH 2 – Appendix D). Existing Sheds O1 & O2 are comprised of large-lot single family properties. Runoff from these sheds combines with Onsite Sheds X2 & X3, respectively, prior to discharging the existing pond.
SHEDS O3 – O5	Existing offsite drainage sheds along Barton Road totaling 0.28± acres. Sheds O3 – O5 are the remainder area between the Project's boundary and roadway crown along Barton Road. Generated runoff from Sheds O3 – O5 sheet flows from the roadway crown to the west where it either continues to sheet flow to the Project site and Parcel 2 or is conveyed by AC curb along the west side of Barton Road. Runoff eventually combines with existing onsite Sheds.
SHEDS O6 & O7	Existing offsite drainage sheds on the north side of Rocklin Road totaling 11.60± acres. Sheds O6 & O7 generate runoff to the existing roadside ditches along the north side of Rocklin Road.

Runoff estimates for the Project's On-Site existing conditions and Offsite run-on were determined utilizing the *SWMM – Peak Flows from Small Watersheds.* Response times and associated runoff for the 10-year and 100-year event peak flows and supporting calculations are included in Appendix E - Table E1.

Table 1 below summarizes estimates for specific individual & cumulative shed storm runoff under existing conditions. Please refer to the detailed analysis performed in Appendix – E for supporting calculations.

	TABLE 1 **EXISTING PEAK FLOW CHARACTERISTICS** **(10 & 100-YEAR)**	
Location	Q_{10} (cfs)	Q_{100} (cfs)
Design Point #1 [SHED X1]	10.07	20.90
Design Point #2 [SHEDS X2 + O1]	6.01	10.98
Design Point #3 [SHED X13 + O3]	2.70	5.39
Design Point #5 [SHEDS X3-X4, O2]	15.18	27.93
Design Point #7 [SHEDS X5 + O4]	14.44	26.47
Design Point #8 [SHED X6]	4.23	8.21
Design Point #15 [SHEDS X7-X11, O5-O7]	53.72	96.80
Design Point #16 [SHED X12]	0.15	0.30

With respect to the existing peak flow runoff rates, shown in Table 1, above, please note the following:

1. Attenuation of existing runoff from Offsite Sheds O6 & O7 and Onsite Sheds X8 & X10, due to the existing culverts in Rocklin Road is not accounted for at this time. Hydraulically, roadway cross-culverts will develop a certain amount of headwater on their upstream end to convey flow. This developed headwater condition will attenuate peak flows from the contributing sheds.
2. Attenuation of existing runoff from Onsite Sheds X2 – X9 & X11, due to localized ponding is not accounted for at this time. Further evaluation of existing topography to determine localized low-points and/or depressions (if any) will be addressed at final design.

DEVELOPED SITE CONDITIONS & HYDROLOGY

The *SWMM – Peak Flows from Small Watersheds* was used to determine the 10-year developed storm flows for the analysis of proposed storm drains and drainage swales. The same methodology was also utilized for the 100-year storm and used to evaluate overland release patterns. The proposed single-family subdivision portion of the Project site has been divided into several drainage sub-sheds shown on the Preliminary Developed Shed Maps (See Appendix – D) as Shed's A1 – A6, Shed B1 – B3 and Sheds C1 – C3, & C6. Existing Onsite Sheds (X1 – X12) were either replaced, modified or unchanged under proposed Developed Conditions.

The proposed sub-sheds, together, encompass the same total area of existing drainage Sheds X1 – X13 shown on the Existing Shed Maps (See Appendix – D). The smaller sub-sheds, under developed conditions, are used to determine 10-year peak flows rates to specific points of concentration (i.e. – drainage swales, vegetated swales, cross culverts, etc.). Sub-shed flows will be used in the hydraulic analysis of the proposed storm drain system under final design.

Similar to existing conditions, the proposed drainage patterns will drain from the northeast to southwest to Shed X1 (Existing Pond). However, in the developed condition the majority of the site that is composed of impervious surfaces will be conveyed to proposed roadside water quality swales (See Section V & Appendix - G). Additionally, developed runoff from impervious surfaces will be disconnected and flow across naturally and/or proposed landscape areas, prior to discharging to the Existing Pond. Runoff will be conveyed via paved surfaces, drainage swales, vegetated (water quality) swales and underground storm drain to the existing pond within the southwest corner of the Project site. The developed sub-sheds of Sheds A1 – A6, B1 – B3 and Sheds C1 – C3 & C6 are more specifically described, as follows:

SHEDS A1 – A6	Onsite developed Sheds totaling 9.27± acres located on the southwest side of the proposed cul-de-sac. These Sheds are comprised primarily of residential homes construction and areas intentionally left undisturbed. Shed A1 – A6 drain directly to the existing pond (Shed X1). Prior to discharging to the pond, developed runoff will drain over/through natural vegetation providing water quality treatment.
SHEDS B1 – B3	Onsite Developed Sheds south of Parcel 2, totaling 5.08± acres. These sheds are comprised five residential lots, roadway and vegetated roadside swales on the south side of the road. Shed B3 drains to a proposed swale between two residential lots. Sheds B1 – B2 drain to the proposed vegetated swales along the south side of the road. The proposed vegetated swale provides water quality treatment. From the swales, stormwater is conveyed to a downstream drainage swale via proposed storm drain, beyond which it ultimately discharges to the existing pond (Shed X1).
SHEDS C1 – C3, C6	Onsite Developed Sheds adjacent to and uphill of the proposed cul-de-sac, totaling 5.88± acres. These Sheds are comprised primarily of residential home construction and areas intentionally left undisturbed. Sheds C2 – C3 also include portions of the proposed cul-de-sac and vegetated roadside swales.

	Shed C6 is comprised primarily of the required roadway widening improvements (i.e. – AC pavement, Concrete Curb, Gutter & Sidewalk, etc.) on Rocklin Road. Sheds C2 – C3 drain to the proposed water quality (vegetated) swales along the south side of the cul-de-sac. Sheds C1 drains to the drainage swale running down the middle of the shed. The proposed vegetated swales provide water quality and convey stormwater to downstream drainage swales, eventually discharging to the existing pond (Shed X1).

It should be noted that specific shed descriptions for Sheds X1, X5, X7 – X10, X11-A, X11-B, X12 and Sheds O1 – O7 have not been provided above, for the proposed Developed Condition. These sheds are similar in nature (if not exactly the same) as Existing Conditions. Sheds X2 – X4 and X13 are replaced by the proposed developed Sheds. Shed X5 is reduced under developed conditions. Sheds X11-A & X11-B are a result of the proposed development. These existing sheds drain through the proposed residential subdivision and discharge to the existing pond, similar to existing conditions.

Response times and associated runoff for the 10-year and 100-year event peak flow and supporting calculations are included in Appendix E - Tables E2 – E5. Table 2 below summarizes estimates for specific individual & cumulative shed storm runoff under developed conditions.

TABLE 2

PROPOSED PEAK FLOW CHARACTERISTICS

(10 & 100-YEAR)

Location	Q_{10} (cfs)	Q_{100} (cfs)
Design Point #1 [SHED X1]	10.07	20.90
Design Point #2 [SHED A1-A2, O1-O2]	15.69	28.89
Design Point #3 [SHED O3 + O3-A]	1.57	3.26
Design Point #7 [SHEDS A3, B1-B5, C1-C3, X5]	14.36	25.95
Design Point #8 [SHED A4]	3.20	6.30
Design Point #15 [SHEDS A5, C4-C6, X7-X11, O5-O7]	50.88	92.54
Design Point #15A [SHED A6]	2.64	4.73
Design Point #16 [SHED X12]	0.15	0.30

IV. HYDRAULICS

STORM DRAIN SYSTEM

The proposed site layout and grading were used in determining the drainage swale locations, cross-culvert size, location, slopes, and inverts in accordance with the *Manual*. Stormwater flows from the sub-shed areas described above will be evaluated using Bentley StormCAD software, under final project design and analyzed for swale & culvert capacity and hydraulic grade line (10-Year Storm Event).

Based on the estimated Design Runoff (10-yr) and the associated hydraulic characteristics within the proposed drainage system, the analysis will verify that the swales and cross-culverts have adequate capacity to convey Design Runoff (10-yr). During final design the StormCAD Hydraulic Reports (Appendix – F) will show that HGL's within the onsite drainage system will maintain freeboard requirements of *Manual* – Section 11.

DETENTION SYSTEM

Under preliminary design, no detention or retention of storm water flows is proposed for this site. This report did however analyze the pre- and post-developed condition volumetric runoff to confirm the existing pond can adequately accommodate the developed stormwater. The Pond Volume Calculations are provided in Appendix E. The volumetric runoff is summarized in Table 3 below:

TABLE 3

VOLUMETRIC RUNOFF SUMMARY

Existing Condition, CF	Developed Condition, CF
205,927	243,252

Based on the analysis, there is an increase of 37,325 CF of runoff volume in the developed condition. This increase in volume equates to an increase of 1.57 inches in depth when spread over the surface area of the existing pond. As the increase in pond depth is minimal, it is determined that the basin can accommodate the developed condition runoff.

V. STORM WATER QUALITY

The Project is required to implement Low Impact Development (LID) standards designed to reduce runoff, treat stormwater, and provide baseline hydromodification management (if required) per the *Manual* and *LID Manual*. "LID is a design strategy where storm water runoff is treated as a valuable resource that can recharge groundwater supplies, protect and enhance natural habitat and biodiversity, and add value to new development or redevelopment projects" *LID Manual.*

The Project design includes the use of four (4) Water Quality Swales (*Swales)* as Site Design Measures to treat and effectively reduce runoff from the impervious surfaces within DMA's 1 & 4 - 6 (See Preliminary Developed DMA SWQ Map – Appendix G). Naturally and/or Developed vegetated areas (Rooftop and Impervious Area Disconnection) and Existing Tree Canopy Preservation are proposed to treat and effectively reduce runoff from the impervious surfaces of DMA's 2 - 3, & 8 - 13. The *LID Manual's* template for Post-Construction Storm Water Quality Plans was utilized to determine the effectiveness for water quality treatment and runoff reduction of the proposed *Swales, Rooftop & Impervious Area Disconnection and Existing Tree Canopy Preservation*. (See Appendix G – LID Storm Water Quality). The Project's proposed drainage sheds were analyzed through the template for their impervious and pervious compositions (Each DMA's Surface Data is also provided on Preliminary Developed DMA SWQ Map – Appendix G). Within the template, drainage sheds are identified as Drainage Management Areas (DMA's) and are designated accordingly in the Preliminary Developed DMA SWQ Map (See Appendix – G). LID measures as outlined in the *LID Manual* were applied to the proposed drainage sheds or DMA's where appropriate. The Project utilizes Site Design Measures as Existing Tree Canopy Preservation, Rooftop and Impervious Area Disconnection and Vegetated Swales within individual drainage sheds (DMA's) prior to reaching the existing pond in the southwest corner of the Project site.

Runoff is treated/reduced from DMA's 1 & 4 - 6 via Existing Tree Canopy Preservation and Vegetated Swales. Per template Forms 3-4 & 3-5 each DMA's impervious surfaces are treated by Site Design Measures. Vegetated swale calculations are provided in Appendix G verifying minimum retention time (10 minutes) and maximum velocity (1 ft/s) requirements are met. Stormwater flow rates above the 2-year, 24-hour storm event are to be conveyed through the *Swales* and storm drain to the existing pond.

Runoff from rooftops and impervious surfaces within DMA's 2 - 3 & 8 - 13 is proposed to be disconnected. To achieve this, naturally and/or proposed vegetated areas will be utilized to capture the runoff volume from the 85th percentile, 24-hour storm event. Per the template's Form 3-4 the required runoff volume to be captured (after taking into consideration Existing Tree Canopy Preservation) is:

- DMA 2 = 495-cubic feet
- DMA 3 = 0-cubic feet
- DMA 8 = 650-cubic feet
- DMA 9 = 0-cubic feet
- DMA 10 = 400-cubic feet
- DMA 11 = 722-cubic feet
- DMA 12 = 578-cubic feet
- DMA 13 = 387-cubic feet

Per the *LID Manual*, disconnected rooftops and impervious surfaces should be directed to established vegetated areas via splash pads, bubble-up emitters and/or sheet flow. Landscaped and/or naturally vegetated areas receiving runoff from rooftops and imperious surfaces should be

sized on an impervious:pervious ratio of 2:1. Under final design, this area ratio will be verified for DMA's 2 – 3 & 8 – 13 to effectively treat the runoff volumes listed above.

Results of the *LID Manual's* template are provided in Appendix G.

VI. CONCLUSIONS

1. The methods used to calculate storm runoff for this project are in compliance with the *Manual and SWMM*.

2. The proposed Project lies outside of a FEMA-designated Flood Zone or Special Flood Hazard Area.

3. 10-Year storm flows generated from the site are conveyed through onsite swales, vegetated swales and underground storm drain.

4. Onsite storm runoff from impervious surfaces is reduced through proposed Site Design Measures consisting of Existing Tree Canopy Preservation, Disconnected Rooftops and impervious surfaces, and Vegetated Swales, providing permanent BMP facilities and LID measures.

5. The proposed Site Design Measures will provide the required water quality treatment and runoff reduction needed for the proposed Reserve Residential subdivision.

VII. REFERENCES

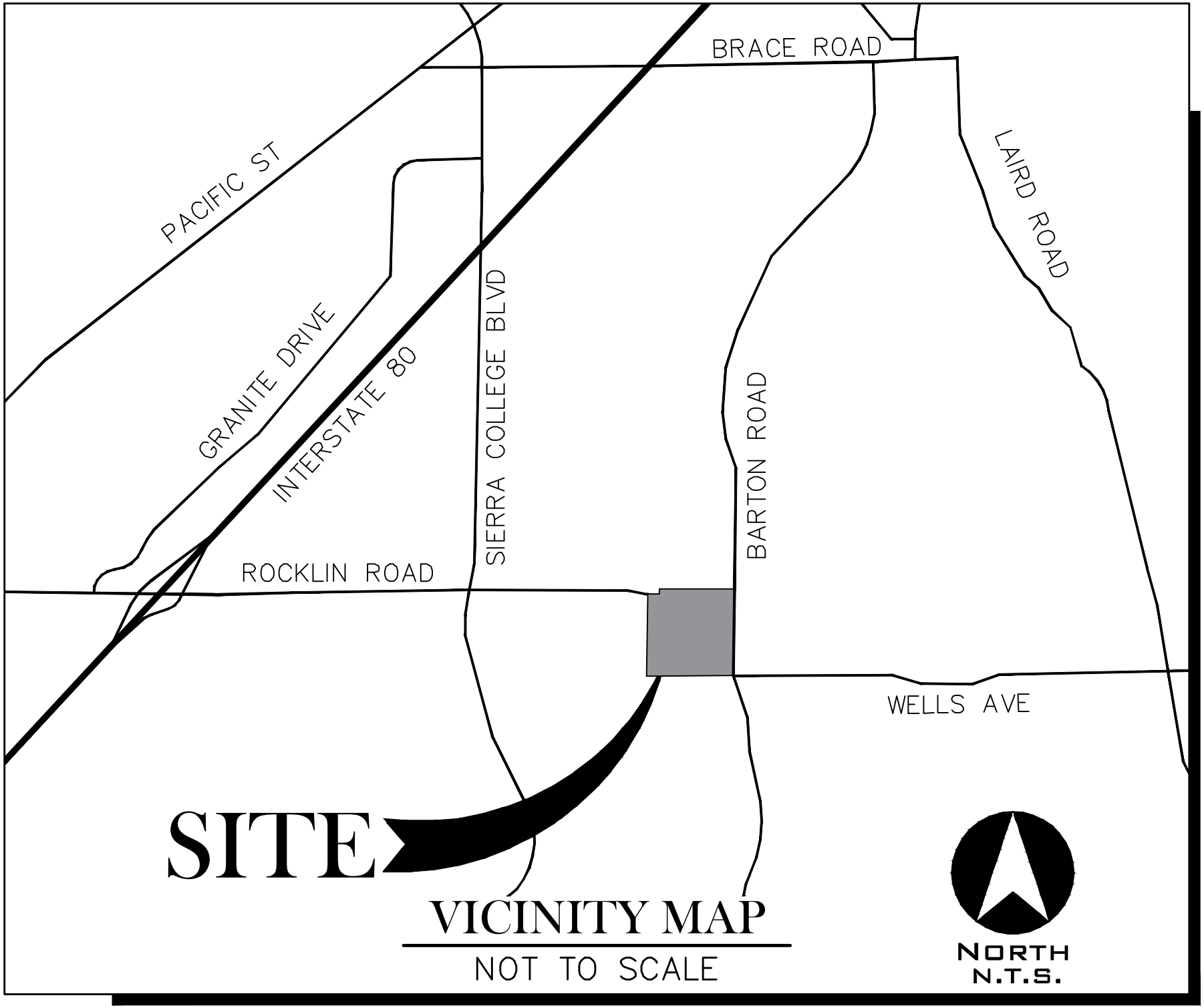
1. Town of Loomis. *Town of Loomis Land Development Manual*. March, 2004
2. Placer County Flood Control and Water Conservation District. *Stormwater Management Manual*. September 1, 1990.

3. West Placer. *Storm Water Quality Design Manual*. April 2016.

4. Natural Resources Conservation Service. *Soil Survey of Placer County, California – Western Part*. Survey Area Data: Version 15, August 31, 2023.

APPENDIX A – VICINITY MAP

Vicinity Map



VICINITY MAP

NOT TO SCALE

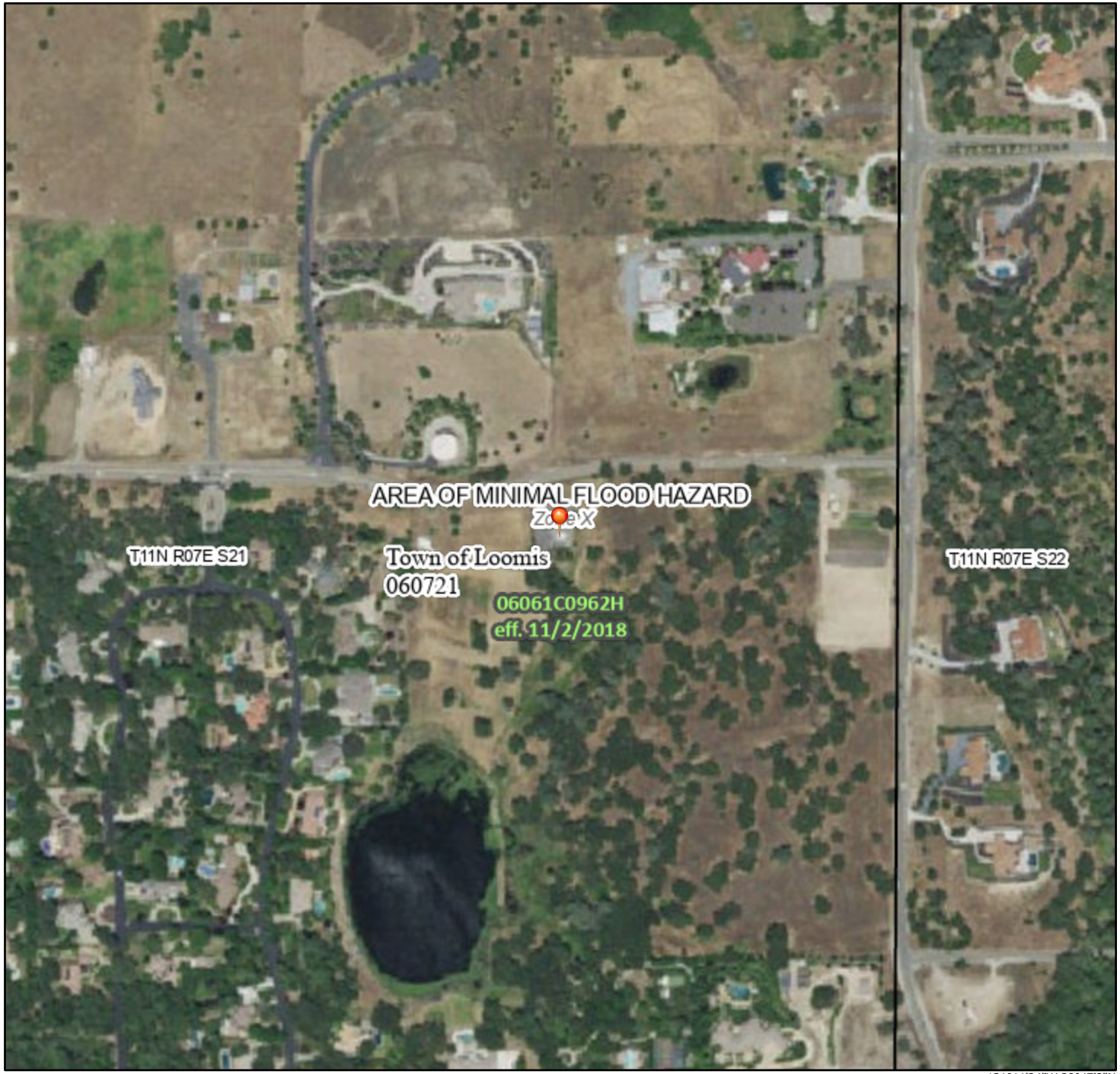
APPENDIX B - FEMA MAP

FEMA Map

National Flood Hazard Layer FIRMette

FEMA

121°12'2"W 38°47'31"N



121°11'24"W 38°47'3"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 — Cross Sections with 1% Annual Chance
- 17.5 — Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/10/2024 at 3:30 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

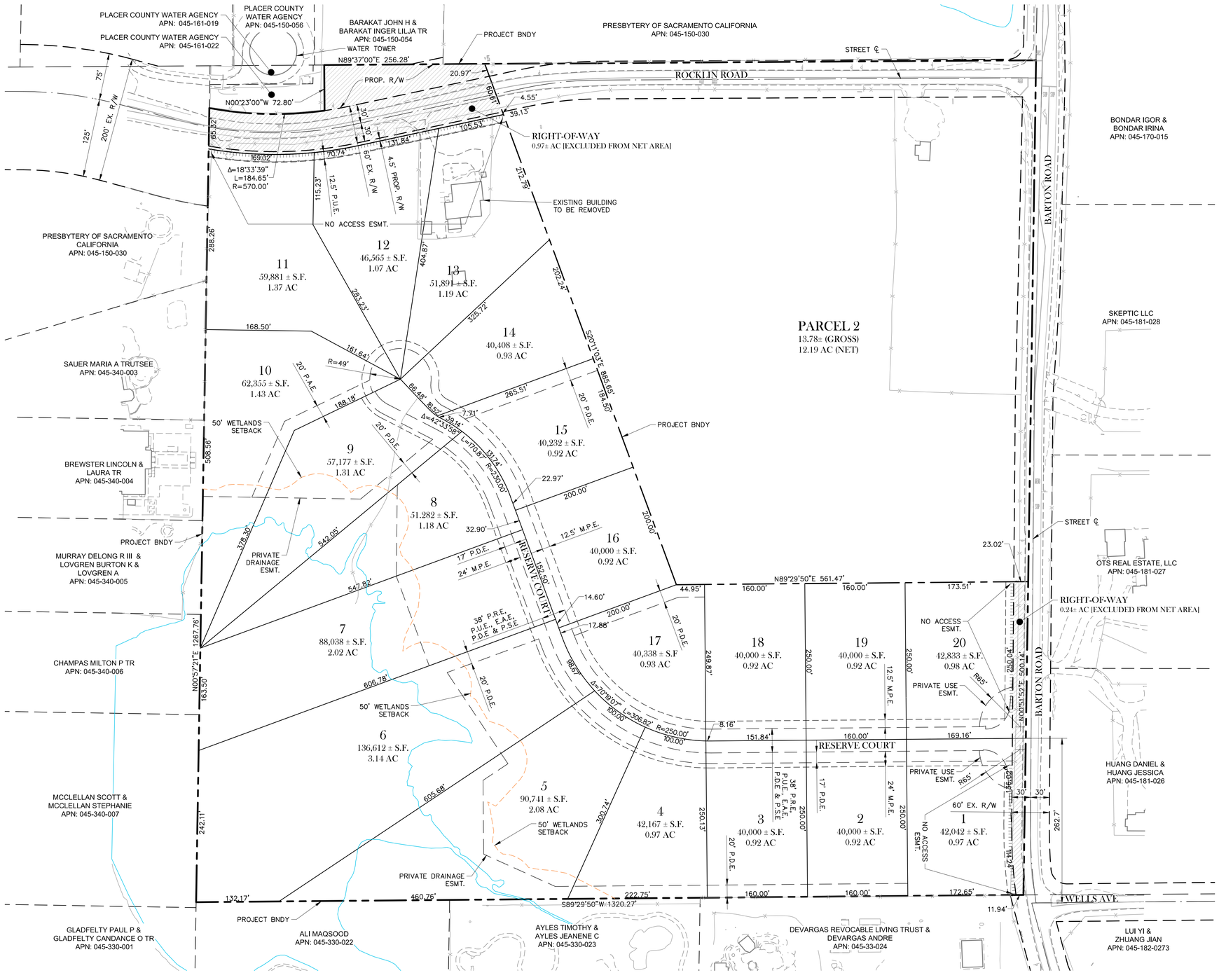
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX C – TSM & WEB SOIL SURVEY

Tentative Subdivision Map

Web Soil Survey Data

TENTATIVE SUBDIVISION MAP



OWNER/APPLICANT

PREMIER 40 LLC
8483 DOUGLAS PLAZA DR, SUITE 110
GRANITE BAY, CA 95746
ATTN: STEFAN HORSTSCHRAER
EMAIL: stefan@premierhomesca.com
PHONE: (916) 773-0207

ENGINEER

TSD ENGINEERING, INC.
785 ORCHARD DRIVE, SUITE 110
FOLSOM, CA 95630
ATTN: CASEY FEICKERT
EMAIL: cfeickert@tsdeng.com
PHONE: (916) 608-0707

DISTRICT ZONES

SANITARY SEWER
SOUTH PLACER MUNICIPAL UTILITY DISTRICT (SPMUD)

STORM DRAIN
TOWN OF LOOMIS

WATER
PLACER COUNTY WATER AGENCY (PCWA)

FIRE
SOUTH PLACER FIRE DISTRICT

GAS
PACIFIC GAS & ELECTRIC COMPANY (PG&E)

ELECTRIC
PACIFIC GAS & ELECTRIC COMPANY (PG&E)

PARK DISTRICT
TOWN OF LOOMIS

ELEM. SCHOOL DISTRICT
LOOMIS UNION SCHOOL DISTRICT

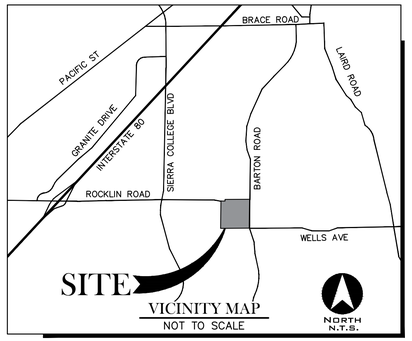
HIGH SCHOOL DISTRICT
PLACER UNION HIGH SCHOOL DISTRICT

FLOOD ZONE

ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, MAP NO. 06061C0962H, DATED NOVEMBER 2, 2018.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS MAP IS THE NORTHERLY LINE OF LOTS 43, 44, & 45, AS SAID LOTS ARE SHOWN ON THE AMENDED PLAT OF "ST. FRANCIS WOODS", FILED ON AUGUST 14, 1991, IN BOOK R OF MAPS, AT PAGE 60, PLACER COUNTY RECORDS.



INDEX OF DRAWINGS

PAGE	TITLE
C-1	TENTATIVE SUBDIVISION MAP
C-2	PRELIMINARY SITE PLAN
C-3	PRELIMINARY TREE PROTECTION PLAN
C-4	PRELIMINARY TREE PROTECTION PLAN
C-5	PRELIMINARY TREE PROTECTION TABLE
C-6	PRELIMINARY UTILITY PLAN
C-7	PRELIMINARY GRADING PLAN
C-8	PRELIMINARY SECTIONS
C-9	PRELIMINARY STRIPING PLAN

PROJECT SUMMARY

ASSESSOR S PARCEL NO.
045-161-033

ADDRESS
5780 ROCKLIN RD

EXISTING USE
SINGLE FAMILY, AGRICULTURAL

PROPOSED USE
SINGLE FAMILY RESIDENTIAL, 20 LOTS

GENERAL PLAN
RR - RURAL RESIDENTIAL

EXISTING ZONING
RR - RURAL RESIDENTIAL

PROPOSED ZONING
RR - RURAL RESIDENTIAL

LOT SIZE
RESIDENTIAL LOTS - 20 LOTS
MINIMUM: 40,000 SF
MAXIMUM: 136,612 SF
AVERAGE: 54,628 SF

PROJECT AREA
GROSS: 26.29± AC (1,145,369 SF)
R/W: 1.21± AC (52,702 SF)
NET: 25.08± AC (1,092,567 SF)

DEVELOPMENT STANDARDS (RR)

CRITERIA	STANDARD
NET LOT AREA (SF)	40,000
MIN. LOT DEPTH (FT)	100
MIN. LOT WIDTH (FT)	135
MAX LOT COVERAGE (%)	20
FRONT SETBACK (FT)	75 AVG. (50 MIN.)
SIDE SETBACK (FT)	20
REAR SETBACK (FT)	20
MAX HEIGHT (FT)	35

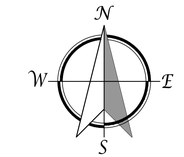
FRONT SETBACK VARIANCE

THE COMBINED FRONT SETBACK FOR LOTS WITHIN THE COMMUNITY SHALL BE AN AVERAGE OF 75' OR MORE FROM THE CENTERLINE OF THE ROADWAY. IN NO EVENT SHALL THE FRONT SETBACK OF A LOT BE LESS THAN 50' FROM THE CENTERLINE OF THE ROADWAY. FRONT SETBACKS OF LESS THAN 75' SHALL BE GRANTED WHERE BENEFICIAL FOR THE PROTECTION OF NATURAL RESOURCES LIKE WETLANDS, TREES, ROCK OUTCROPPINGS AND OTHER DESIRABLE NATURAL FEATURES CURRENTLY EXISTING ON THE PROPERTY.

TOWN OF LOOMIS

BENCHMARK - L36 ▲ 341.89 FEET

BEING THE NORTHWEST BOLT ON A TRAFFIC SIGNAL LIGHT STAND FOR THE SIGNAL LIGHT ARM OVER SIERRA COLLEGE BLVD., AT THE NORTHEAST CORNER OF THE INTERSECTION OF SIERRA COLLEGE BLVD. AND ROCKLIN RD. (NGVD29 DATUM)



scale: 1"=80'

80 0 40 80 160

THE RESERVE - TOWN OF LOOMIS C-1

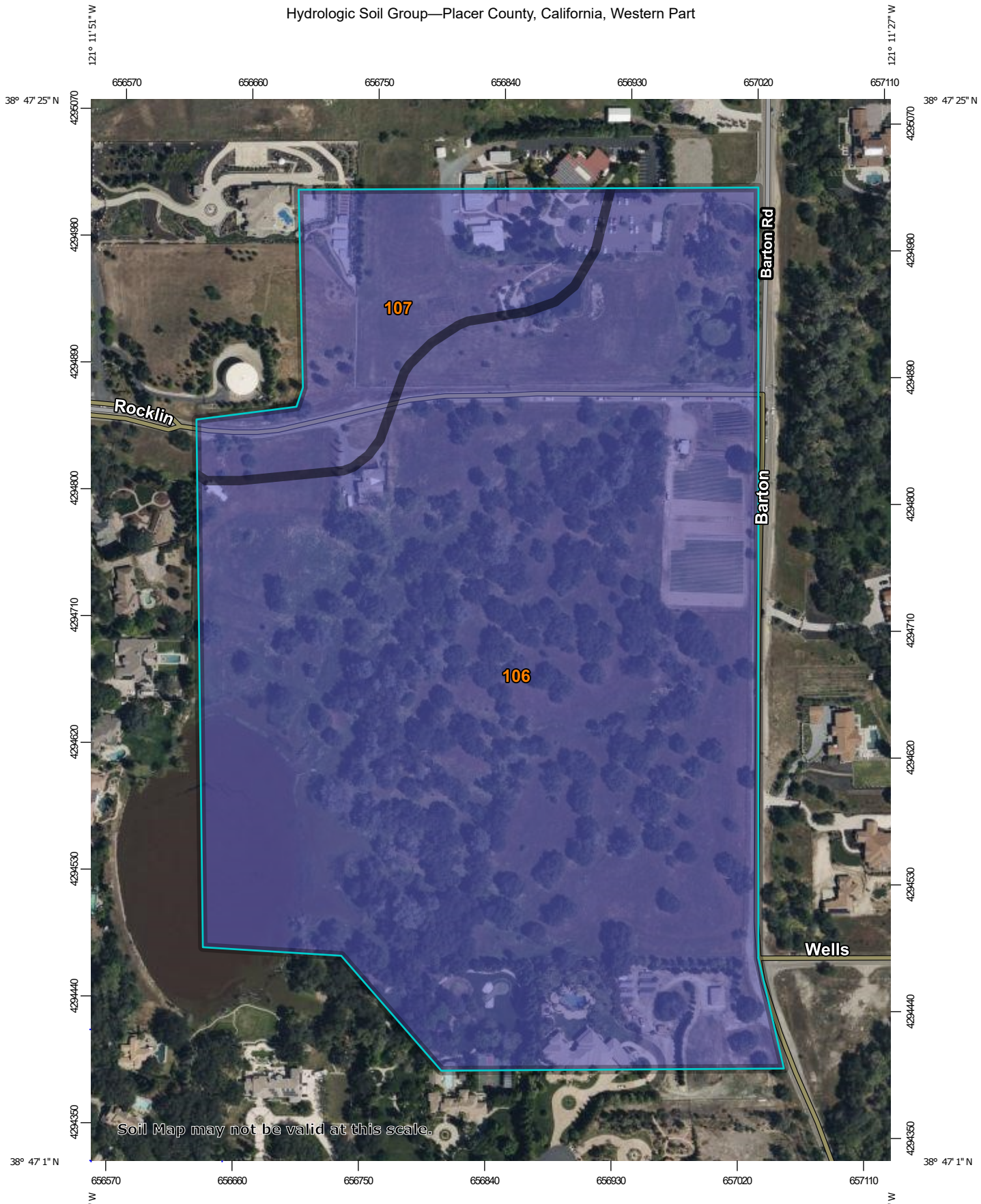
SW Corner of Rocklin Road and Barton Road
Loomis, California

Proposed By:
PREMIER HOMES
8483 Douglas Plaza Dr
Granite Bay, CA 95746

JULY, 2025
3RD SUBMITTAL

TSD ENGINEERING, INC.
expect more.
785 Orchard Drive, Suite #110
Folsom, CA 95630
Phone: (916) 608-0707
Fax: (916) 608-0701

P:\Projects\506-001\02 DWG\B- Planning\VTG\TM_C-1_Tentative Map.dwg, Fernando Ochoa, 16:08:11, 07-16-25



Map Scale: 1:3,670 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Placer County, California, Western Part
Survey Area Data: Version 15, Aug 31, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 23, 2022—Apr 24, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
106	Andregg coarse sandy loam, 2 to 9 percent slopes	B	48.9	86.9%
107	Andregg coarse sandy loam, 9 to 15 percent slopes	B	7.4	13.1%
Totals for Area of Interest			**56.3**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

APPENDIX D – SHED MAPS

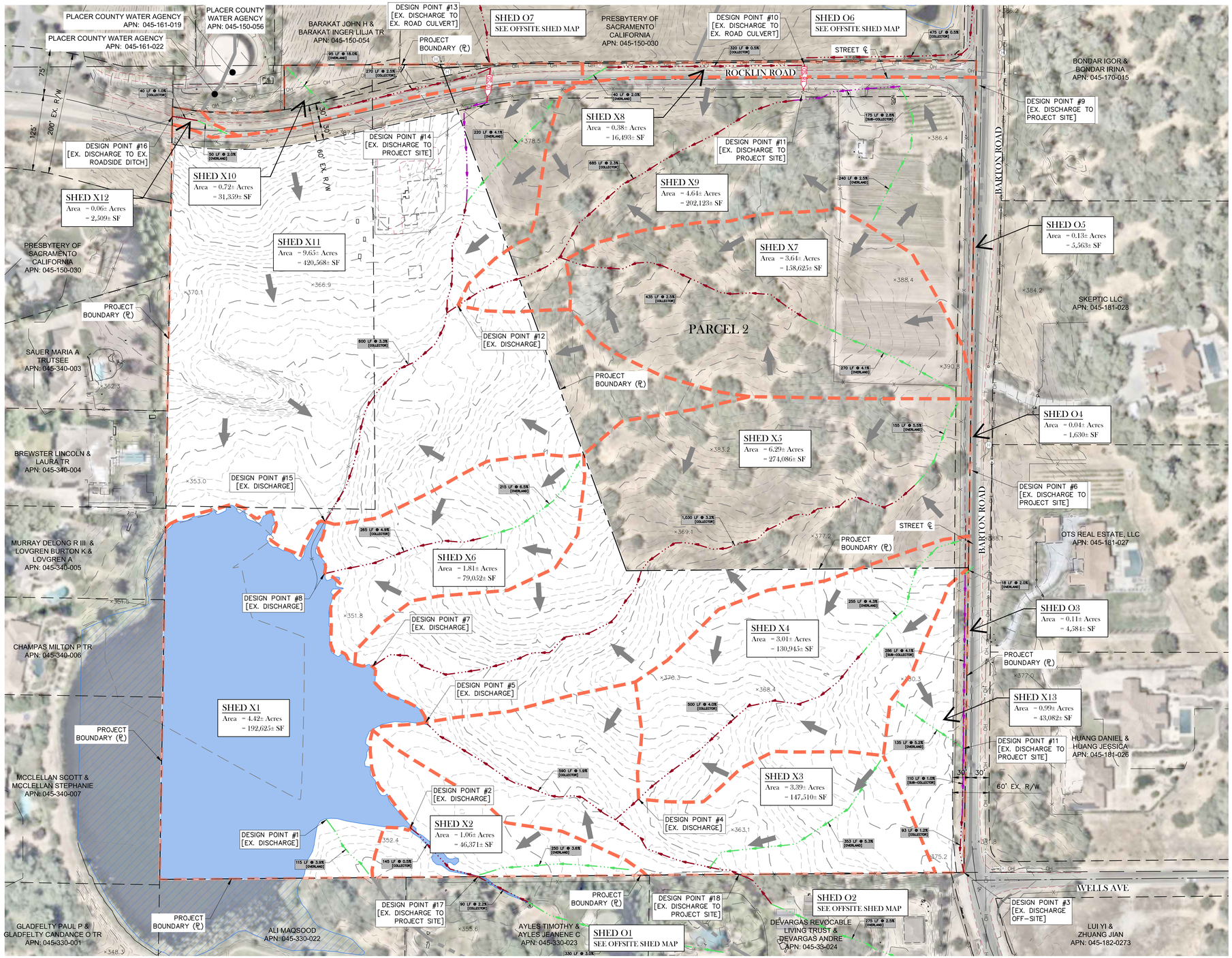
EXH 1 – Existing Shed Map (Onsite)

EXH 2 – Existing Shed Map (Offsite)

EXH 3 – Developed Shed Map (Onsite)

EXH 4 – Developed Shed Map (Offsite)

Existing Shed Map (Onsite)



KEY FEATURES LEGEND:

- EXISTING SHED BOUNDARY
- EXISTING SHED BOUNDARY [ON PL]
- EXISTING SHED BOUNDARY [OFFSITE]
- COLLECTOR FLOW PATH
- SUB-COLLECTOR FLOW PATH
- OVERLAND FLOW PATH
- EXISTING CONTOUR (MAJOR) [SEE NOTE 1]
- EXISTING CONTOUR (MINOR) [SEE NOTE 1]
- EXISTING OFFSITE CONTOUR (20-FT) [SEE NOTE 2]
- EXISTING POND - APPROX. HIGH WATER EDGE [ONSITE – WITHIN PROJECT BOUNDARY]
- EXISTING POND - APPROX. HIGH WATER EDGE [OFFSITE – OUTSIDE PROJECT BOUNDARY]
- EXISTING STORM DRAIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING DRAIN INLET
- DESIGN POINT I.D. (DESIGN POINT #X [EX. DRAIN])
- SURFACE FLOW DIRECTION

GENERAL NOTES:

1. EXISTING GROUND CONTOURS (5–FT MAJOR & 1–FT MINOR) BASED AERIAL TOPOGRAPHIC SURVEY PREPARED BY TSD ENGINEERING, INC. – DATE OF SURVEY: APRIL 2024.
2. EXISTING GROUND CONTOURS (20–FT) BASED ON PLACER COUNTY OPEN DATA (GIS CONTOUR DATA) – UPDATED APRIL 18, 2023.

N
W
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scale: 1"=80'

80 0 40 80 160

THE RESERVE - TOWN OF LOOMIS EXH-I

SW Corner of Rocklin Road and Barton Road
Loomis, California

Proposed By:

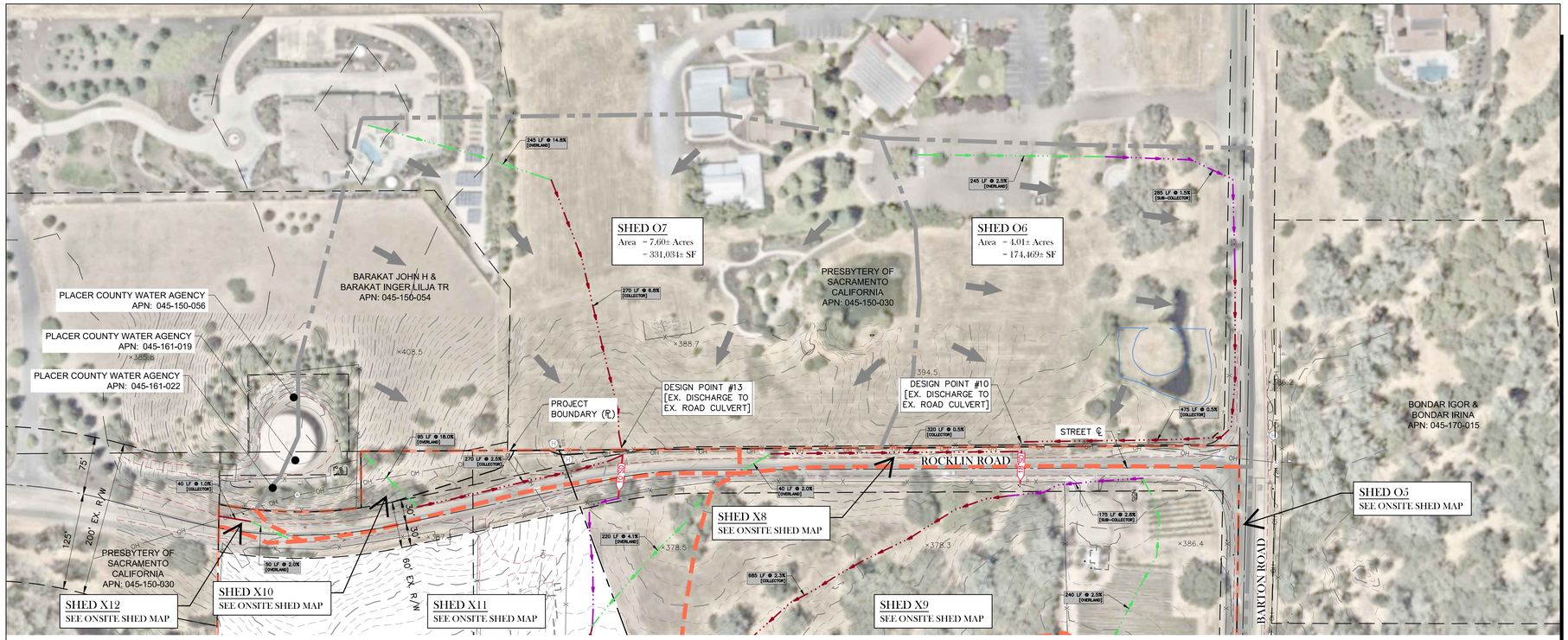
PREMIER HOMES
8483 Douglas Plaza Dr
Granite Bay, CA 95746

APRIL 1, 2025
2ND SUBMITTAL

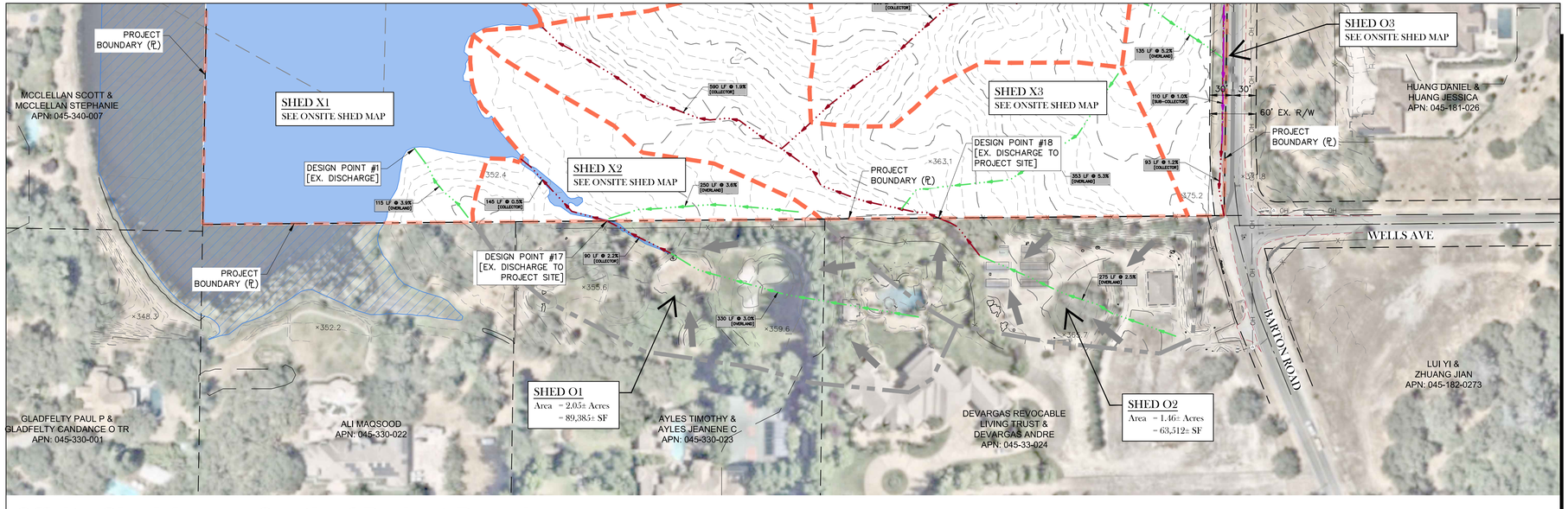
TSD ENGINEERING, INC.
expect more.
785 Orchard Drive, Suite #110
Folsom, CA 95630
Phone: (916) 608-0707
Fax: (916) 608-0701

P:\Projects\506-001\03 REPORTS\HYDROLOGY AND HYDRAULICS_Entitlements\Appendix D – Site Plan\506-001 – Existing Shed Map.dwg, Johnathan Madino, 17:48:26, 04-02-25

Existing Shed Map (Offsite)



Offsite Shed Areas - North of Barton Road



Offsite Shed Areas - South of Project Boundary

KEY FEATURES LEGEND:

- EXISTING SHED BOUNDARY
- EXISTING SHED BOUNDARY [ON PL]
- EXISTING SHED BOUNDARY [OFFSITE]
- COLLECTOR FLOW PATH
- SUB-COLLECTOR FLOW PATH
- OVERLAND FLOW PATH
- EXISTING CONTOUR (MAJOR) [SEE NOTE 1]
- EXISTING CONTOUR (MINOR) [SEE NOTE 1]
- EXISTING OFFSITE CONTOUR (20-FT) [SEE NOTE 2]
- EXISTING POND - APPROX. HIGH WATER EDGE [ONSITE – WITHIN PROJECT BOUNDARY]
- EXISTING POND - APPROX. HIGH WATER EDGE [OFFSITE – OUTSIDE PROJECT BOUNDARY]
- EXISTING STORM DRAIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING DRAIN INLET
- DESIGN POINT I.D.
- SURFACE FLOW DIRECTION

GENERAL NOTES:

1. EXISTING GROUND CONTOURS (5–FT MAJOR & 1–FT MINOR) BASED AERIAL TOPOGRAPHIC SURVEY PREPARED BY TSD ENGINEERING, INC. – DATE OF SURVEY: APRIL 2024.
2. EXISTING GROUND CONTOURS (20–FT) BASED ON PLACER COUNTY OPEN DATA (GIS CONTOUR DATA) – UPDATED APRIL 18, 2023.

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scale: 1"=80'

80 0 40 80 160

THE RESERVE - TOWN OF LOOMIS EXH-2

SW Corner of Rocklin Road and Barton Road
Loomis, California

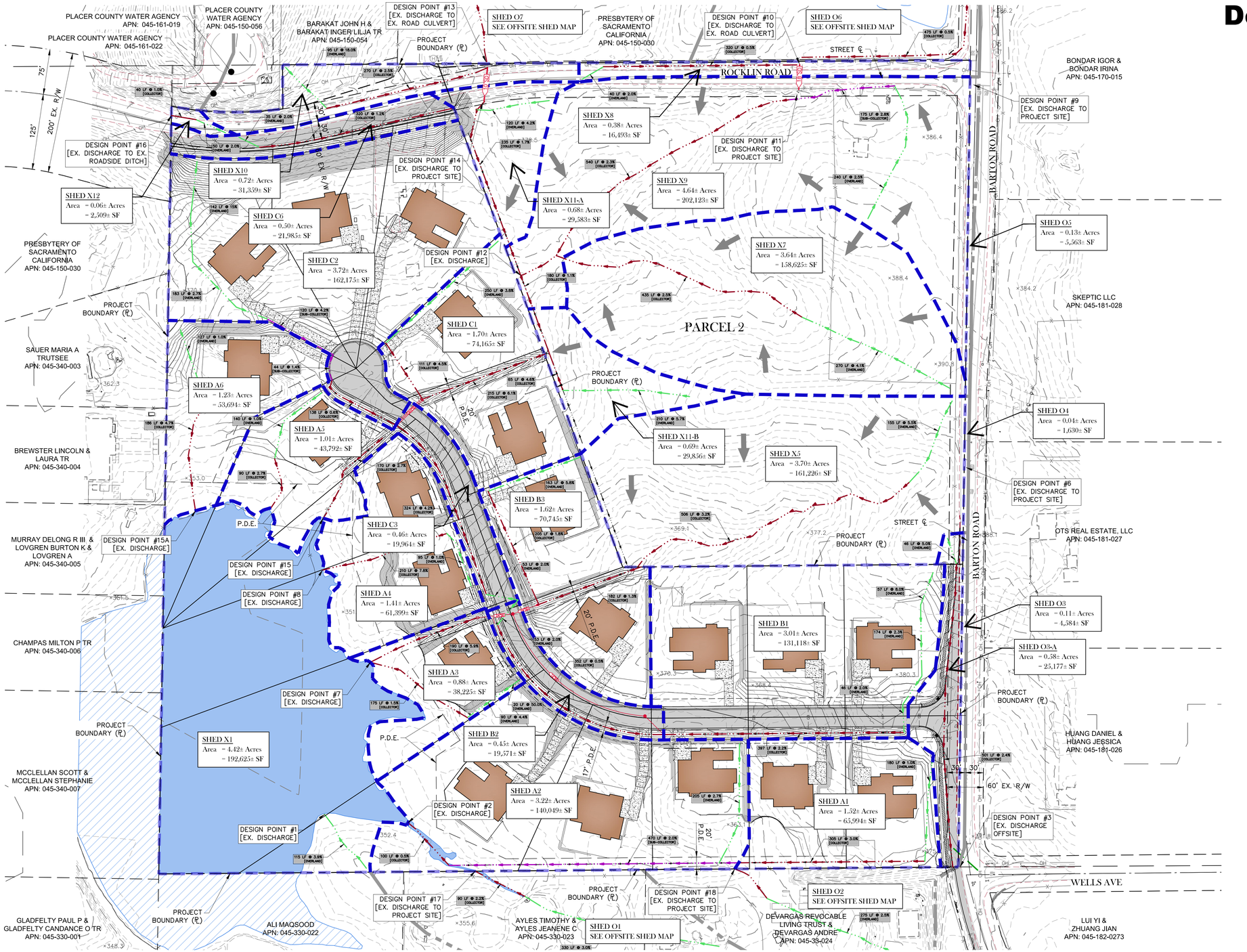
Proposed By:
PREMIER HOMES
8483 Douglas Plaza Dr
Granite Bay, CA 95746

APRIL 1, 2025
2ND SUBMITTAL

TSD ENGINEERING, INC.
expect more.
785 Orchard Drive, Suite #110
Folsom, CA 95630
Phone: (916) 608-0707
Fax: (916) 608-0701

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Developed Shed Map (Onsite)



KEY FEATURES LEGEND:

- DEVELOPED SHED BOUNDARY
- DEVELOPED SHED BOUNDARY [ON PL]
- EXISTING SHED BOUNDARY [OFFSITE]
- COLLECTOR FLOW PATH
- SUB-COLLECTOR FLOW PATH
- OVERLAND FLOW PATH
- EXISTING CONTOUR (MAJOR) [SEE NOTE 1]
- EXISTING CONTOUR (MINOR) [SEE NOTE 1]
- EXISTING OFFSITE CONTOUR (20-FT) [SEE NOTE 2]
- EXISTING POND - APPROX. HIGH WATER EDGE [ONSITE – WITHIN PROJECT BOUNDARY]
- EXISTING POND - APPROX. HIGH WATER EDGE [OFFSITE – OUTSIDE PROJECT BOUNDARY]
- EXISTING STORM DRAIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING DRAIN INLET
- PROPOSED STORM DRAIN
- DESIGN POINT I.D. [EX. DISCHARGE]
- SURFACE FLOW DIRECTION

GENERAL NOTES:

1. EXISTING GROUND CONTOURS (5-FT MAJOR & 1-FT MINOR) BASED AERIAL TOPOGRAPHIC SURVEY PREPARED BY TSD ENGINEERING, INC. – DATE OF SURVEY: APRIL 2024.
2. EXISTING GROUND CONTOURS (20-FT) BASED ON PLACER COUNTY OPEN DATA (GIS CONTOUR DATA) – UPDATED APRIL 18, 2023.

N W E S

scale: 1"=80'

80 0 40 80 160

THE RESERVE - TOWN OF LOOMIS EXH-3

SW Corner of Rocklin Road and Barton Road
Loomis, California

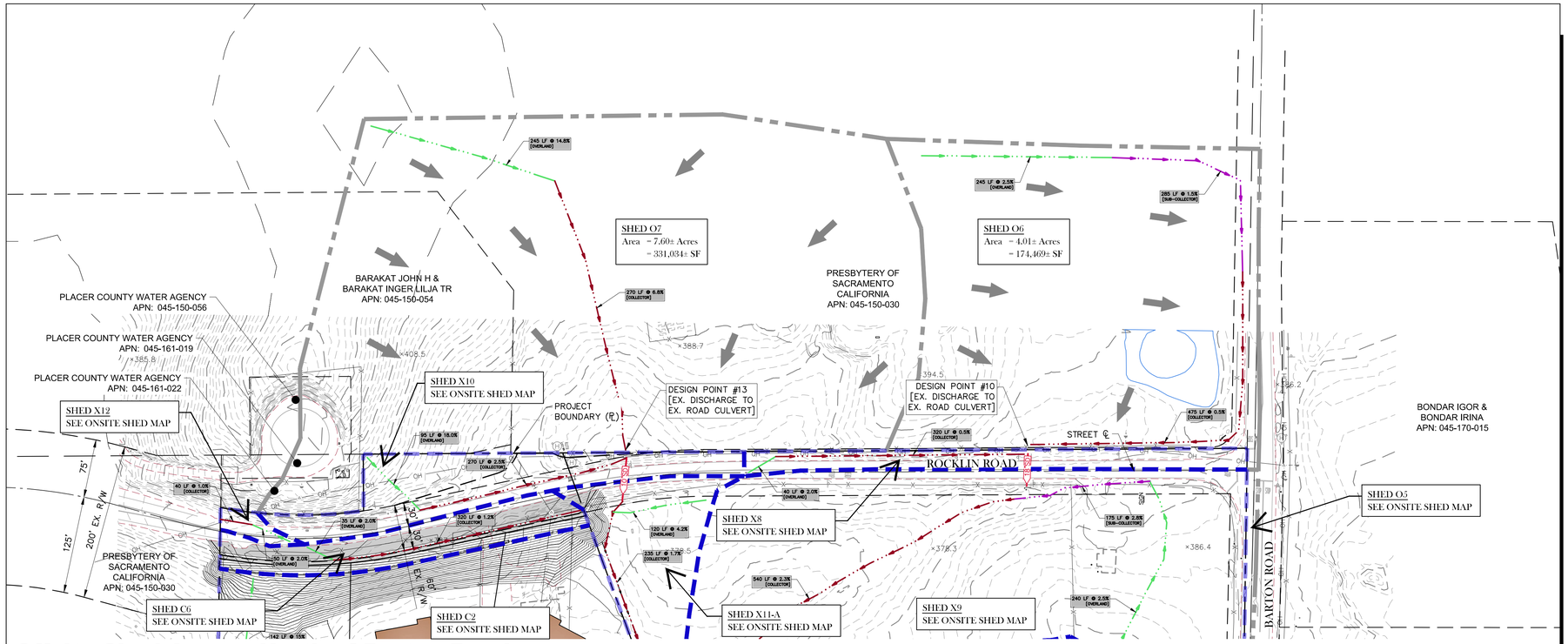
Proposed By: **PREMIER HOMES**
8483 Douglas Plaza Dr
Granite Bay, CA 95746

JULY 16, 2025
3RD SUBMITTAL

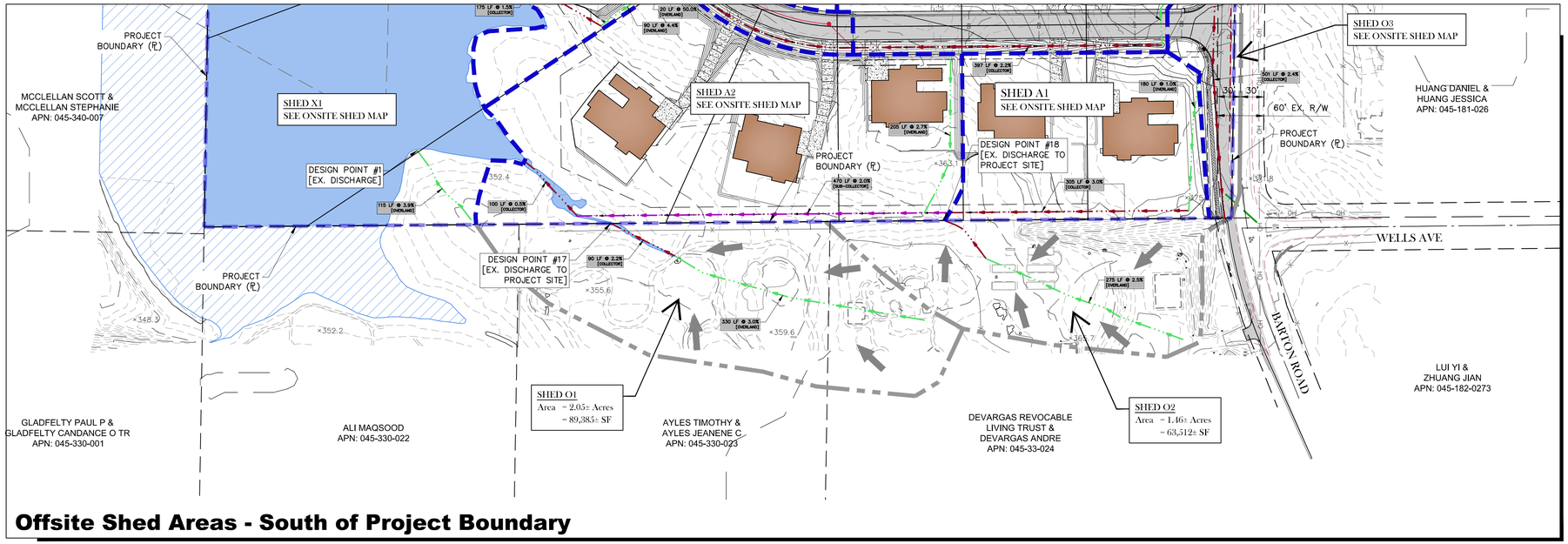
TSD ENGINEERING, INC.
expect more.
785 Orchard Drive, Suite #110
Folsom, CA 95630
Phone: (916) 608-0707
Fax: (916) 608-0701

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Developed Shed Map (Offsite)



Offsite Shed Areas - North of Barton Road



Offsite Shed Areas - South of Project Boundary

KEY FEATURES LEGEND:

- DEVELOPED SHED BOUNDARY
- DEVELOPED SHED BOUNDARY [ON PL]
- EXISTING SHED BOUNDARY [OFFSITE]
- COLLECTOR FLOW PATH
- SUB-COLLECTOR FLOW PATH
- OVERLAND FLOW PATH
- EXISTING CONTOUR (MAJOR) [SEE NOTE 1]
- EXISTING CONTOUR (MINOR) [SEE NOTE 1]
- EXISTING OFFSITE CONTOUR (20-FT) [SEE NOTE 2]
- EXISTING POND - APPROX. HIGH WATER EDGE [ONSITE – WITHIN PROJECT BOUNDARY]
- EXISTING POND - APPROX. HIGH WATER EDGE [OFFSITE – OUTSIDE PROJECT BOUNDARY]
- EXISTING STORM DRAIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING DRAIN INLET
- PROPOSED STORM DRAIN
- DESIGN POINT #X [EX. DISCHARGE]
- SURFACE FLOW DIRECTION

GENERAL NOTES:

1. EXISTING GROUND CONTOURS (5–FT MAJOR & 1–FT MINOR) BASED AERIAL TOPOGRAPHIC SURVEY PREPARED BY TSD ENGINEERING, INC. – DATE OF SURVEY: APRIL 2024.
2. EXISTING GROUND CONTOURS (20–FT) BASED ON PLACER COUNTY OPEN DATA (GIS CONTOUR DATA) – UPDATED APRIL 18, 2023.

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W E
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scale: 1"=80'

80 0 40 80 160

THE RESERVE - TOWN OF LOOMIS EXH-4

SW Corner of Rocklin Road and Barton Road
Loomis, California

Proposed By:
PREMIER HOMES
8483 Douglas Plaza Dr
Granite Bay, CA 95746

JULY 16, 2025
3RD SUBMITTAL

TSD ENGINEERING, INC.
expect more.
785 Orchard Drive, Suite #110
Folsom, CA 95630
Phone: (916) 608-0707
Fax: (916) 608-0701

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APPENDIX E - HYDROLOGY

Table E1 – Existing Conditions – Shed Data

Table E2 – Proposed Conditions – Shed "A" Data

Table E3 – Proposed Conditions – Shed "B" Data

Table E4 – Proposed Conditions – Shed "C" Data

Table E5 – Proposed Conditions – Shed "X" + Cumulative Shed Data

Pond Volume Calculations

THE RESERVE

TABLE E1 - EXISTING CONDITIONS - SHED DATA

Date: 27-Sep-24 By: TNJ Revised: 2-Apr-25 By: JM

	SHED CHARACTERISTICS											RESPONSE TIME				DISCHARGE RATE					
Drainage Shed I.D. [Design Point #]	Shed Area (acres)	Flow Type	Soil Type	Ground Cover	Cover Condition	Constant Loss Rate (in/hr)	Impervious %	Slope (Ft/Ft)	Travel Length (ft)	Manning's n	Side Slope (Z) (ft/ft)	Overland Flow Response Time (minutes)	Collector Response Time (minutes)	Collector Tributary Area (acres)	Total Response Time[1] (minutes)	Elevation (ft)	Unit Peak Discharge q10 (cfs/ac)	Unit Peak Discharge q100 (cfs/ac)	Infiltration Factor Fi (cfs/ac)	Peak Flow Q_{10} (cfs)	Peak Flow Q_{100} (cfs)
SHED X1	**4.42**	Overland	B	Woodland,Grass	Fair	0.18	90	0.039	115	0.150		5.19			**5**	370	2.55	5.00	0.30	**10.07**	**20.90**
				Graded Swale				0.000	0	0.000	0.00		0.00	0.00							
[EXISTING POND]												**5.19**	**0.00**								
SHED X2	**1.06**	Overland	B	Woodland,Grass	Fair	0.18	5	0.036	250	0.150		8.47			**10**	370	2.10	3.85	0.30	**2.21**	**4.07**
		Collector		Natural Swale				0.005	145	0.040	5.00		1.03	1.06							
[DESIGN POINT #2]												**8.47**	**1.03**								
SHED O1	**2.05**	Overland	B	Woodland,Grass	Fair	0.18	6	0.030	330	0.150		10.56			**11**	370	2.00	3.80	0.30	**4.06**	**7.75**
		Collector		Natural Swale				0.022	90	0.035	5.00		0.28	2.05							
[DESIGN POINT #17]												**10.56**	**0.28**								
SHEDS X2 + O1	**3.11**	Overland	B	Woodland,Grass	Fair	0.18	6	0.030	330	0.150		10.56			**12**	370	1.95	3.55	0.30	**6.01**	**10.98**
		Collector		Natural Swale				0.022	90	0.035	5.00		0.28	2.05							
		Collector		Natural Swale				0.005	145	0.040	5.00		0.79	3.11							
[DESIGN POINT #2]												**10.56**	**1.07**								
SHED X3	**3.39**	Overland	B	Woodland,Grass	Fair	0.18	5	0.053	353	0.150		9.27			**11**	370	2.30	4.20	0.30	**7.75**	**14.19**
		Collector		Natural Swale				0.019	590	0.035	5.00		1.73	3.39							
[DESIGN POINT #5]												**9.27**	**1.73**								
SHED X4	**3.01**	Overland	B	Woodland,Grass	Fair	0.18	5	0.043	255	0.150		8.12			**9**	370	2.20	3.90	0.30	**6.58**	**11.69**
		Collector		Natural Swale				0.040	500	0.035	5.00		1.14	3.01							
[DESIGN POINT #4]												**8.12**	**1.14**								
SHED O2	**1.46**	Overland	B	Woodland,Grass	Fair	0.18	10	0.025	275	0.150		10.00			**10**	370	2.10	3.85	0.30	**3.02**	**5.58**
		Collector		Natural Swale				0.019	90	0.035	10.00		0.38	1.46							
[DESIGN POINT #18]												**10.00**	**0.38**								
SHEDS X3-X4 + O2	**7.97**	Overland	B	Woodland,Grass	Fair	0.18	15	0.025	275	0.150		10.00			**12**	370	1.95	3.55	0.30	**15.18**	**27.93**
		Collector		Natural Swale				0.019	90	0.035	10.00		0.38	1.46							
		Collector		Natural Swale				0.019	590	0.035	5.00		1.39	7.97							
[DESIGN POINT #5]												**10.00**	**1.78**								
SHED O3	**0.11**	Overland	B	AC Pavement	Fair	0.06	98	0.020	18	0.110		1.73			**3**	370	2.55	5.00	0.10	**0.27**	**0.54**
		Sub-Collector		AC Curb				0.041	286	0.015	50.00		1.38	0.11							
[DESIGN POINT #11]												**1.73**	**1.38**								
SHED X13	**0.99**	Overland	B	Woodland,Grass	Fair	0.18	5	0.052	135	0.150		5.24			**5**	370	2.55	5.00	0.30	**2.51**	**4.94**
				AC Curb				0.000	0	0.000	0.00		0.00	0.00							
[DESIGN POINT #11]												**5.24**	**0.00**								
SHED X13 + O3	**1.10**	Overland	B	AC Pavement	Fair	0.06	98	0.020	18	0.110		1.73			**2**	370	2.55	5.00	0.10	**2.70**	**5.39**
		Sub-Collector		AC Curb				0.041	286	0.015	50.00		1.38	0.11							
		Sub-Collector		AC Curb				0.010	110	0.015	50.00		0.51	1.10							
		Collector		Natural Swale				0.012	93	0.035	5.00			1.10							
[DESIGN POINT #3]												**1.73**	**0.51**								
SHED X5	**6.29**	Overland	B	Woodland,Grass	Fair	0.18	5	0.055	155	0.150		5.60			**8**	370	2.30	4.20	0.30	**14.37**	**26.32**
		Collector		Natural Swale				0.032	1030	0.035	5.00		2.12	6.29							
[DESIGN POINT #7]												**5.60**	**2.12**								
SHED O4	**0.04**	Overland	B	AC Pavement	Fair	0.06	98	0.020	18	0.110		1.73			**3**	370	2.55	5.00	0.10	**0.10**	**0.20**
		Collector		AC Curb				0.030	120	0.015	50.00		0.84	0.04							
[DESIGN POINT #6]												**1.73**	**0.84**								
SHEDS X5 + O4	**6.33**	Overland	B	Woodland,Grass	Fair	0.18	6	0.055	155	0.150		5.60			**8**	370	2.30	4.20	0.30	**14.44**	**26.47**
		Collector		Natural Swale				0.032	1030	0.035	5.00		2.12	6.33							
[DESIGN POINT #7]												**5.60**	**2.12**								

THE RESERVE

TABLE E1 - EXISTING CONDITIONS - SHED DATA

Date: 27-Sep-24 By: TNJ Revised: 2-Apr-25 By: JM

	SHED CHARACTERISTICS											RESPONSE TIME				DISCHARGE RATE					
Drainage Shed I.D. [Design Point #]	**Shed Area (acres)**	**Flow Type**	**Soil Type**	**Ground Cover**	**Cover Condition**	**Constant Loss Rate** (in/hr)	**Impervious %**	**Slope** (Ft/Ft)	**Travel Length** (ft)	**Manning's n**	**Side Slope (Z)** (ft/ft)	**Overland Flow Response Time** (minutes)	**Collector Response Time** (minutes)	**Collector Tributary Area** (acres)	**Total Response Time[1]** (minutes)	**Elevation** (ft)	**Unit Peak Discharge q10** (cfs/ac)	**Unit Peak Discharge q100** (cfs/ac)	**Infiltration Factor Fi** (cfs/ac)	**Peak Flow Q_{10}** (cfs)	**Peak Flow Q_{100}** (cfs)
SHED X6	**1.81**	Overland	B	Woodland,Grass	Fair	0.18	5	0.065	215	0.150		6.48			**7**	370	2.35	4.55	0.30	**4.23**	**8.21**
		Collector		Natural Swale				0.049	265	0.035	5.00		0.64	1.81							
[DESIGN POINT #8]												**6.48**	**0.64**								
SHED X7	**3.64**	Overland	B	Woodland,Grass	Fair	0.18	5	0.041	270	0.150		8.53			**10**	370	2.10	3.85	0.30	**7.59**	**13.96**
		Collector		Natural Swale				0.025	435	0.035	5.00		1.13	3.64							
[DESIGN POINT #__]												**8.53**	**1.13**								
SHED X8	**0.38**	Overland	B	AC Pavement	Fair	0.06	50	0.020	40	0.110		2.79			**5**	370	2.55	5.00	0.10	**0.95**	**1.88**
		Collector		Graded Swale				0.005	320	0.030	3.00		2.13	0.38							
[DESIGN POINT #10]												**2.79**	**2.13**								
SHED X9	**4.64**	Overland	B	Woodland,Grass	Fair	0.18	5	0.025	240	0.150		9.22			**11**	370	2.00	3.80	0.30	**9.21**	**17.56**
		Sub-Collector		Graded Swale				0.028	175	0.030	3.00		0.43	1.50							
		Collector		Natural Swale				0.023	685	0.035	5.00		1.72	4.64							
[DESIGN POINT #12]												**9.22**	**2.16**								
SHED X10	**0.72**	Overland	B	Woodland,Grass	Fair	0.18	45	0.180	95	0.150		2.92			**4**	370	2.55	5.00	0.30	**1.74**	**3.50**
		Collector		Graded Swale				0.025	270	0.030	3.00		0.84	0.72							
[DESIGN POINT #13]												**2.92**	**0.84**								
SHED X11	**9.65**	Overland	B	Woodland,Grass	Fair	0.18	5	0.041	220	0.150		7.54			**9**	370	2.20	3.90	0.30	**21.08**	**37.49**
		Collector		Natural Swale				0.033	600	0.035	5.00		1.10	9.65							
[DESIGN POINT #15]												**7.54**	**1.10**								
SHED X12	**0.06**	Overland	B	AC Pavement	Fair	0.06	60	0.020	50	0.110		3.19			**4**	370	2.55	5.00	0.10	**0.15**	**0.30**
		Collector		Graded Swale				0.010	40	0.030	3.00		0.33	0.06							
[DESIGN POINT #16]												**3.19**	**0.33**								
SHED O5	**0.13**	Overland	B	AC Pavement	Fair	0.06	98	0.020	18	0.110		1.73			**5**	370	2.55	5.00	0.10	**0.32**	**0.64**
		Collector		AC Curb				0.012	490	0.015	50.00		3.59	0.13							
[DESIGN POINT #9]												**1.73**	**3.59**								
SHED O6	**4.01**	Overland	B	Woodland,Grass	Fair	0.18	15	0.025	245	0.150		9.33			**12**	370	1.95	3.55	0.30	**7.64**	**14.05**
		Sub-Collector		Graded Swale				0.015	285	0.030	10.00		1.30	1.00							
		Collector		Graded Swale				0.005	475	0.030	3.00		1.75	4.01							
[DESIGN POINT #10]												**9.33**	**3.05**								
SHED O7	**7.60**	Overland	B	Woodland,Grass	Fair	0.18	15	0.148	245	0.150		5.47			**6**	370	2.40	4.80	0.30	**17.90**	**36.14**
		Collector		Natural Swale				0.068	270	0.030	10.00		0.42	7.60							
[DESIGN POINT #13]												**5.47**	**0.42**								
SHEDS X7-X9 + O5-O6	**12.80**	Overland	B	Woodland,Grass	Fair	0.18	18	0.025	245	0.150		9.33			**14**	370	1.80	3.20	0.30	**22.35**	**40.27**
		Sub-Collector		Graded Swale				0.015	285	0.030	10.00		1.30	1.00							
		Collector		Graded Swale				0.005	475	0.030	3.00		1.75	4.01							
		Collector		Natural Swale				0.023	685	0.035	5.00		1.34	12.80							
[DESIGN POINT #12]												**9.33**	**4.39**								
SHEDS X7-X11 + O5-O7	**30.77**	Overland	B	Woodland,Grass	Fair	0.18	18	0.025	245	0.150		9.33			**14**	370	1.80	3.20	0.30	**53.72**	**96.80**
		Sub-Collector		Graded Swale				0.015	285	0.030	10.00		1.30	1.00							
		Collector		Graded Swale				0.005	475	0.030	3.00		1.75	4.01							
		Collector		Natural Swale				0.023	685	0.035	5.00		1.34	12.80							
		Collector		Natural Swale				0.033	415	0.035	5.00		0.57	30.77							
[DESIGN POINT #15]												**9.33**	**4.96**								

Notes:

1. Minimum response time of 5 minutes is used for all response times calculated to be less than 5 minutes.

THE RESERVE

TABLE E2 - PROPOSED CONDITIONS - SHED "A" DATA

Date: 27-Sep-24 By: TNJ Revised: 16-Jul-25 By: JM

	SHED CHARACTERISTICS											RESPONSE TIME				DISCHARGE RATE					
Drainage Shed I.D. [Design Point #]	Shed Area (acres)	Flow Type	Soil Type	Ground Cover	Cover Condition	Constant Loss Rate (in/hr)	Impervious %	Slope (Ft/Ft)	Travel Length (ft)	Manning's n	Side Slope (Z) (ft/ft)	Overland Flow Response Time (minutes)	Collector Response Time (minutes)	Collector Tributary Area (acres)	Total Response Time[1] (minutes)	Elevation (ft)	Unit Peak Discharge q10 (cfs/ac)	Unit Peak Discharge q100 (cfs/ac)	Infiltration Factor Fi (cfs/ac)	Peak Flow Q_{10} (cfs)	Peak Flow Q_{100} (cfs)
SHED A1	**1.52**	Overland	B	Residential	Fair	0.18	26	0.010	180	0.150		10.21			**11**	370	2.00	3.80	0.30	**2.92**	**5.66**
		Collector		Drainage Swale				0.030	305	0.020	3.00		0.54	1.52							
[DESIGN POINT #18]												**10.21**	**0.54**								
SHED O2	**1.46**	Overland	B	Woodland,Grass	Fair	0.18	10	0.025	275	0.150		10.00			**10**	370	2.10	3.85	0.30	**3.02**	**5.58**
		Collector		Natural Swale				0.019	90	0.035	10.00		0.38	1.46							
[DESIGN POINT #18]												**10.00**	**0.38**								
SHEDS A1 + O2	**2.98**	Overland	B	Residential	Fair	0.18	18	0.010	180	0.150		10.21			**11**	370	2.00	3.80	0.30	**5.80**	**11.16**
		Collector		Drainage Swale				0.030	305	0.020	3.00		0.54	1.52							
[DESIGN POINT #18]												**10.21**	**0.54**								
SHED A2	**3.22**	Overland	B	Residential	Fair	0.18	20	0.027	205	0.150		8.19			**10**	370	2.10	3.85	0.30	**6.57**	**12.20**
		Sub-Collector		Drainage Swale				0.020	470	0.020	3.00		0.94	1.75							
		Collector		Natural Swale				0.005	100	0.040	5.00		0.54	3.22							
[DESIGN POINT #2]												**8.19**	**1.48**								
SHED O1	**2.05**	Overland	B	Woodland,Grass	Fair	0.18	6	0.030	330	0.150		10.56			**11**	370	2.00	3.80	0.30	**4.06**	**7.75**
		Collector		Natural Swale				0.022	90	0.035	5.00		0.28	2.05							
[DESIGN POINT #17]												**10.56**	**0.28**								
SHEDS A1-A2 + O1-O2	**8.25**	Overland	B	Residential	Fair	0.18	16	0.010	180	0.150		10.21			**12**	370	1.95	3.55	0.30	**15.69**	**28.89**
		Collector		Drainage Swale				0.030	305	0.020	3.00		0.54	1.52							
		Collector		Drainage Swale				0.020	470	0.020	3.00		0.68	6.20							
		Collector		Natural Swale				0.005	100	0.040	5.00		0.43	8.25							
[DESIGN POINT #2]												**10.21**	**1.65**								
SHED A3	**0.88**	Overland	B	Residential	Fair	0.18	22	0.500	20	0.150		0.84			**6**	370	2.40	4.80	0.30	**2.05**	**4.17**
		Overland	B	Residential				0.044	90	0.150		4.32									
		Collector		Drainage Swale				0.015	175	0.020	3.00		0.46	0.88							
[DESIGN POINT #7]												**5.16**	**0.46**								
SHED A4	**1.41**	Overland	B	Residential	Fair	0.18	27	0.010	95	0.150		6.96			**7**	370	2.35	4.55	0.30	**3.20**	**6.30**
		Collector		Drainage Swale				0.078	210	0.020	3.00		0.26	1.41							
[DESIGN POINT #8]												**6.96**	**0.26**								
SHED A5	**1.01**	Overland	B	Residential	Fair	0.18	20	0.010	140	0.150		8.78			**9**	370	2.20	3.90	0.30	**2.16**	**3.88**
		Collector		Drainage Swale				0.027	90	0.020	3.00		0.18	1.01							
[DESIGN POINT #__]												**8.78**	**0.18**								
SHED A6	**1.23**	Overland	B	Residential	Fair	0.18	18	0.010	127	0.150		8.28			**9**	370	2.20	3.90	0.30	**2.64**	**4.73**
		Collector		Drainage Swale				0.047	186	0.020	3.00		0.29	1.23							
[DESIGN POINT #15A]												**8.28**	**0.29**								

Notes:

1. Minimum response time of 5 minutes is used for all response times calculated to be less than 5 minutes.

THE RESERVE

TABLE E3 - PROPOSED CONDITIONS - SHED "B" DATA

Date: 27-Sep-24 By: TNJ Revised: 16-Jul-25 By: JM

	SHED CHARACTERISTICS											RESPONSE TIME				DISCHARGE RATE					
Drainage Shed I.D. [Design Point #]	**Shed Area (acres)**	**Flow Type**	**Soil Type**	**Ground Cover**	**Cover Condition**	**Constant Loss Rate** (in/hr)	**Impervious %**	**Slope** (Ft/Ft)	**Travel Length** (ft)	**Manning's n**	**Side Slope (Z)** (ft/ft)	**Overland Flow Response Time** (minutes)	**Collector Response Time** (minutes)	**Collector Tributary Area** (acres)	**Total Response Time[1]** (minutes)	**Elevation** (ft)	**Unit Peak Discharge q10** (cfs/ac)	**Unit Peak Discharge q100** (cfs/ac)	**Infiltration Factor Fi** (cfs/ac)	**Peak Flow Q_{10}** (cfs)	**Peak Flow Q_{100}** (cfs)
SHED B1	**3.01**	Overland	B	Residential	Fair	0.18	32	0.080	57	0.150		2.74			**15**	370	1.70	3.10	0.30	**4.83**	**9.04**
		Overland		Residential				0.023	174	0.150		7.79									
		Overland		AC Pavement				0.020	46	0.110		3.04									
		Collector		Vegetated Swale				0.022	397	0.045	3.00		1.22	3.01							
[DESIGN POINT #__]												**13.57**	**1.22**								
SHED B2	**0.45**	Overland	B	AC Pavement	Fair	0.18	67	0.020	53	0.110		3.31			**6**	370	2.40	4.80	0.30	**0.99**	**2.07**
		Collector		Vegetated Swale				0.005	352	0.045	3.00		3.04	0.45							
[DESIGN POINT #__]												**3.31**	**3.04**								
SHEDS B1 + B2	**3.46**	Overland	B	Residential	Fair	0.18	37	0.080	57	0.150		2.74			**15**	370	1.70	3.10	0.30	**5.50**	**10.34**
		Overland		Residential				0.023	174	0.150		7.79									
		Overland		AC Pavement				0.020	46	0.110		3.04									
		Collector		Vegetated Swale				0.022	397	0.045	3.00		1.22	3.01							
[DESIGN POINT #__]												**13.57**	**1.22**								
SHED B3	**1.62**	Overland	B	Residential	Fair	0.18	25	0.058	163	0.150		5.68			**6**	370	2.40	4.80	0.30	**3.77**	**7.65**
		Collector		Drainage Swale				0.018	205	0.020	2.00		0.40	1.62							
[DESIGN POINT #__]												**5.68**	**0.40**								

Notes:

1. Minimum response time of 5 minutes is used for all response times calculated to be less than 5 minutes.

THE RESERVE

TABLE E4 - PROPOSED CONDITIONS - SHED "C" DATA

Date: 27-Sep-24 By: TNJ Revised: 16-Jul-25 By: JM

	SHED CHARACTERISTICS											RESPONSE TIME				DISCHARGE RATE					
Drainage Shed I.D. [Design Point #]	**Shed Area (acres)**	**Flow Type**	**Soil Type**	**Ground Cover**	**Cover Condition**	**Constant Loss Rate** (in/hr)	**Impervious %**	**Slope** (Ft/Ft)	**Travel Length** (ft)	**Manning's n**	**Side Slope (Z)** (ft/ft)	**Overland Flow Response Time** (minutes)	**Collector Response Time** (minutes)	**Collector Tributary Area** (acres)	**Total Response Time[1]** (minutes)	**Elevation** (ft)	**Unit Peak Discharge q10** (cfs/ac)	**Unit Peak Discharge q100** (cfs/ac)	**Infiltration Factor Fi** (cfs/ac)	**Peak Flow Q_{10}** (cfs)	**Peak Flow Q_{100}** (cfs)
SHED C1	**1.70**	Overland	B	Residential	Fair	0.18	25	0.038	250	0.150		8.33			**8**	370	2.30	4.20	0.30	**3.78**	**7.01**
		Collector		Drainage Swale				0.045	111	0.020	2.00		0.15	1.70							
[DESIGN POINT #__]												**8.33**	**0.15**								
	3.72	Overland	B	Residential	Fair	0.18	26	0.150	142	0.150		3.93			**13**	370	1.90	3.40	0.30	**6.78**	**12.36**
		Overland		Residential				0.027	183	0.150		7.65									
SHED C2		Sub-Collector		Drainage Swale				0.042	120	0.020	2.00		0.14	3.72							
		Sub-Collector		PCC Curb & Gutter				0.014	44	0.015	50.00		0.13	3.72							
		Collector		Vegetated Swale				0.006	138	0.045	3.00		0.66	3.72							
[DESIGN POINT #__]												**11.59**	**0.93**								
SHED C3	**0.46**	Overland	B	AC Pavement	Fair	0.18	70	0.020	53	0.110		3.31			**5**	370	2.55	5.00	0.30	**1.08**	**2.20**
		Collector		Vegetated Swale				0.042	324	0.045	3.00		1.25	0.46							
[DESIGN POINT #__]												**3.31**	**1.25**								
SHED C6	**0.50**	Overland	B	AC Pavement	Fair	0.18	50	0.020	35	0.110		2.58			**4**	370	2.55	5.00	0.30	**1.20**	**2.42**
		Collector		PCC Curb & Gutter				0.012	320	0.015	50.00		1.67	0.50							
[DESIGN POINT #__]												**2.58**	**1.67**								

Notes:

1. Minimum response time of 5 minutes is used for all response times calculated to be less than 5 minutes.

THE RESERVE

Date: 27-Sep-24 Revised: 16-Jul-25

TABLE E5 - PROPOSED CONDITIONS - SHED "X" + CUMMULATIVE SHED DATA

By: TNJ By: JM

	SHED CHARACTERISTICS											RESPONSE TIME				DISCHARGE RATE					
Drainage Shed I.D. [Design Point #]	**Shed Area (acres)**	**Flow Type**	**Soil Type**	**Ground Cover**	**Cover Condition**	**Constant Loss Rate** (in/hr)	**Impervious %**	**Slope** (Ft/Ft)	**Travel Length** (ft)	**Manning's n**	**Side Slope (Z)** (ft/ft)	**Overland Flow Response Time** (minutes)	**Collector Response Time** (minutes)	**Collector Tributary Area** (acres)	**Total Response Time[1]** (minutes)	**Elevation** (ft)	**Unit Peak Discharge q10** (cfs/ac)	**Unit Peak Discharge q100** (cfs/ac)	**Infiltration Factor Fi** (cfs/ac)	**Peak Flow Q_{10}** (cfs)	**Peak Flow Q_{100}** (cfs)
SHED X5	**3.70**	Overland	B	Woodland,Grass	Fair	0.18	5	0.055	155	0.150		5.60			**7**	370	2.35	4.55	0.30	**8.64**	**16.78**
		Collector		Natural Swale				0.032	506	0.035	5.00		1.19	3.70							
[DESIGN POINT #__]												**5.60**	**1.19**								
SHED X11-A	**0.68**	Overland	B	Woodland,Grass	Fair	0.18	5	0.042	120	0.150		5.20			**6**	370	2.40	4.80	0.30	**1.62**	**3.25**
		Collector		Drainage Swale				0.017	235	0.020	3.00		0.63	0.68							
[DESIGN POINT #__]												**5.20**	**0.63**								
SHED X11-B	**0.69**	Overland	B	Woodland,Grass	Fair	0.18	5	0.057	210	0.150		6.64			**7**	370	2.35	4.55	0.30	**1.61**	**3.13**
		Collector		Drainage Swale				0.046	65	0.020	3.00		0.12	0.69							
[DESIGN POINT #__]												**6.64**	**0.12**								
SHED O3-A	**0.58**	Overland	B	Woodland,Grass	Fair	0.18	90	0.050	46	0.150		2.78			**5**	370	2.55	5.00	0.30	**1.32**	**2.74**
		Collector		AC Curb				0.024	501	0.015	50.00		1.95	0.58							
[DESIGN POINT #__]												**2.78**	**1.95**								
SHED O3 + O3-A	**0.69**	Overland	B	Woodland,Grass	Fair	0.18	90	0.045	46	0.150		2.87			**5**	370	2.55	5.00	0.30	**1.57**	**3.26**
		Collector		AC Curb				0.024	501	0.015	50.00		1.87	0.69							
[DESIGN POINT #3]												**2.87**	**1.87**								
SHEDS X5 + B3	**5.32**	Overland	B	Woodland,Grass	Fair	0.18	11	0.055	155	0.150		5.60			**7**	370	2.35	4.55	0.30	**12.33**	**24.03**
		Collector		Natural Swale				0.032	506	0.035	5.00		1.19	3.70							
		Collector		Drainage Swale				0.013	182	0.020	3.00		0.32	5.32							
[DESIGN POINT #__]												**5.60**	**1.51**								
SHEDS X5 + B1-B3	**8.78**	Overland	B	Residential	Fair	0.18	21	0.080	57	0.150		2.74			**17**	370	1.55	2.75	0.30	**13.05**	**23.59**
		Overland		Residential				0.023	174	0.150		7.79									
		Overland		AC Pavement				0.020	46	0.110		3.04									
		Collector		Vegetated Swale				0.022	397	0.045	3.00		1.22	3.01							
		Collector		Circular Pipe				0.005	336	0.015	100.00		1.79	3.46							
[DESIGN POINT #__]												**13.57**	**3.01**								
SHEDS X5 + B1-B3 +A3	**9.66**	Overland	B	Residential	Fair	0.18	21	0.080	57	0.150		2.74			**17**	370	1.55	2.75	0.30	**14.36**	**25.95**
		Overland		Residential				0.023	174	0.150		7.79									
		Overland		AC Pavement				0.020	46	0.110		3.04									
		Collector		Vegetated Swale				0.022	397	0.045	3.00		1.22	3.01							
		Collector		Circular Pipe				0.005	336	0.015	100.00		1.79	3.46							
		Collector		Circular Pipe				0.005	56	0.015	100.00		0.24	8.78							
		Collector		Drainage Swale				0.059	190	0.020	3.00		0.16	9.66							
[DESIGN POINT #7]												**13.57**	**3.41**								
SHEDS X10 + X11-A + C6 + O7	**9.50**	Overland	B	Woodland,Grass	Fair	0.18	30	0.148	245	0.150		5.47			**6**	370	2.40	4.80	0.30	**21.94**	**44.74**
		Collector		Natural Swale				0.068	270	0.030	10.00		0.42	7.60							
		Collector		Circular Pipe				0.005	55	0.015	1.00		0.09	8.32							
		Collector		Drainage Swale				0.017	235	0.020	3.00		0.33	9.50							
[DESIGN POINT #__]												**5.47**	**0.84**								
SHEDS X7-X10 + X11-A + C6 + O5-O7	**22.30**	Overland	B	Woodland,Grass	Fair	0.18	30	0.025	245	0.150		9.33			**14**	370	1.80	3.20	0.30	**38.12**	**69.34**
		Sub-Collector		Graded Swale				0.015	285	0.030	10.00		1.30	1.00							
		Collector		Graded Swale				0.005	475	0.030	3.00		1.75	4.01							
		Collector		Circular Pipe				0.005	40	0.015	1.00		0.08	4.39							
		Collector		Natural Swale				0.023	540	0.035	5.00		1.15	9.03							
		Collector		Drainage Swale				0.011	180	0.020	3.00		0.24	22.30							
[DESIGN POINT #__]												**9.33**	**4.52**								

THE RESERVE

TABLE E5 - PROPOSED CONDITIONS - SHED "X" + CUMMULATIVE SHED DATA

Date: 27-Sep-24 By: TNJ Revised: 16-Jul-25 By: JM

	SHED CHARACTERISTICS											RESPONSE TIME				DISCHARGE RATE					
Drainage Shed I.D. [Design Point #]	**Shed Area (acres)**	**Flow Type**	**Soil Type**	**Ground Cover**	**Cover Condition**	**Constant Loss Rate** (in/hr)	**Impervious %**	**Slope** (Ft/Ft)	**Travel Length** (ft)	**Manning's n**	**Side Slope (Z)** (ft/ft)	**Overland Flow Response Time** (minutes)	**Collector Response Time** (minutes)	**Collector Tributary Area** (acres)	**Total Response Time**[1] (minutes)	**Elevation** (ft)	**Unit Peak Discharge q10** (cfs/ac)	**Unit Peak Discharge q100** (cfs/ac)	**Infiltration Factor Fi** (cfs/ac)	**Peak Flow Q_{10}** (cfs)	**Peak Flow Q_{100}** (cfs)
SHEDS X7-X10 + X11-A + X11-B + C6 + O5-O7	**22.99**	Overland	B	Woodland,Grass	Fair	0.18	30	0.025	245	0.150		9.33			**14**	370	1.80	3.20	0.30	**39.30**	**71.49**
		Sub-Collector		Graded Swale				0.015	285	0.030	10.00		1.30	1.00							
		Collector		Graded Swale				0.005	475	0.030	3.00		1.75	4.01							
		Collector		Circular Pipe				0.005	40	0.015	1.00		0.08	4.39							
		Collector		Natural Swale				0.023	540	0.035	5.00		1.15	9.03							
		Collector		Drainage Swale				0.011	180	0.020	3.00		0.24	22.99							
[DESIGN POINT #__]												**9.33**	**4.51**								
SHEDS X7-X10 + X11-A + X11-B + C6 + O5-O7 + C1	**24.57**	Overland	B	Woodland,Grass	Fair	0.18	30	0.025	245	0.150		9.33			**14**	370	1.80	3.20	0.30	**42.01**	**76.40**
		Sub-Collector		Graded Swale				0.015	285	0.030	10.00		1.30	1.00							
		Collector		Graded Swale				0.005	475	0.030	3.00		1.75	4.01							
		Collector		Circular Pipe				0.005	40	0.015	1.00		0.08	4.39							
		Collector		Natural Swale				0.023	540	0.035	5.00		1.15	9.03							
		Collector		Drainage Swale				0.011	180	0.020	3.00		0.24	22.99							
		Collector		Drainage Swale				0.061	215	0.020	3.00		0.15	24.57							
[DESIGN POINT #__]												**9.33**	**4.66**								
SHEDS X7-X10 + X11-A + X11-B + C6 + O5-O7 + C1-C3	**28.75**	Overland	B	Woodland,Grass	Fair	0.18	30	0.025	245	0.150		9.33			**14**	370	1.80	3.20	0.30	**49.15**	**89.40**
		Sub-Collector		Graded Swale				0.015	285	0.030	10.00		1.30	1.00							
		Collector		Graded Swale				0.005	475	0.030	3.00		1.75	4.01							
		Collector		Circular Pipe				0.005	40	0.015	1.00		0.08	4.39							
		Collector		Natural Swale				0.023	540	0.035	5.00		1.15	9.03							
		Collector		Drainage Swale				0.011	180	0.020	3.00		0.24	22.99							
		Collector		Drainage Swale				0.061	215	0.020	3.00		0.15	24.57							
		Overland		Circular Pipe				0.005	62	0.015	1.00		0.08	24.57							
[DESIGN POINT #__]												**9.33**	**4.74**								
SHEDS X7-X10 + X11-A + X11-B + C6 + O5-O7 + C1-C3 + A5	**29.76**	Overland	B	Woodland,Grass	Fair	0.18	30	0.025	245	0.150		9.33			**14**	370	1.80	3.20	0.30	**50.88**	**92.54**
		Sub-Collector		Graded Swale				0.015	285	0.030	10.00		1.30	1.00							
		Collector		Graded Swale				0.005	475	0.030	3.00		1.75	4.01							
		Collector		Circular Pipe				0.005	40	0.015	1.00		0.08	4.39							
		Collector		Natural Swale				0.023	540	0.035	5.00		1.15	9.03							
		Collector		Drainage Swale				0.011	180	0.020	3.00		0.24	22.99							
		Collector		Drainage Swale				0.061	215	0.020	3.00		0.15	24.57							
		Overland		Circular Pipe				0.005	62	0.015	1.00		0.08	24.57							
		Collector		Drainage Swale				0.027	170	0.020	3.00		0.15	28.75							
[DESIGN POINT #15]												**9.33**	**4.74**								

Notes:

1. Minimum response time of 5 minutes is used for all response times calculated to be less than 5 minutes.

By: JM

The Reserve
Pond Volume Calculations

Date: 4/7/2025
Revised:

[1]Equations:

Volume = (Q)(Watershed Area)

$Q = [(P - 0.2S)^2] / (P + 0.8S)$

$S = (1000 / CN) - 10$

where:

Q = Direct Runoff (excess rainfall) in inches
S = Potential Abstraction
P = Rainfall Depth, inches
CN = Curve Number

Existing Condition

CN = 61 — [1,3]Curve Number for Pasture or range, good condition & Hydrologic Soil Group B

CN = (61)(1.30 - ((1.30 - 1.21) / (70 - 60))(61 - 60)
= 78.8 — [1]AMC III Curve Number, interpolated for worst case scenario

S = (1000 / 78.8) - 10
= 2.70 — Existing Condition, potential abstraction

P = 4.65 + [(4.84 - 4.65) / (400 - 300)](370 - 300)
= 4.78 — [2]Rainfall Depth for 100-yr Storm Event, interpolated for Elevation of 370-ft

$Q = [(4.78 - (0.2)(2.70))^2] / (4.78 + (0.8)(2.70))$
= 2.59 — Existing Condition runoff, inches

Volume = (2.59 in)(26.29 ac - 4.42 ac)(43,560 ft^2 / ac)(1 ft / 12 in)
= 205,927 — Existing Condition volume (site area excluding pond area), ft^3

By: JM

The Reserve
Pond Volume Calculations

Date: 4/7/2025
Revised:

Developed Condition

CN = 70 - ((70 - 66) / (2 - 0.5))(1 - 0.5)
= 68.7

[1,3]Curve Number for Residential 1-acre lot, good condition (interpolated) & Hydrologic Soil Group B

CN = (68.7)(1.30 - ((1.30 - 1.21) / (70 - 60))(68.7 - 60)
= 83.9

[1]AMC III Curve Number, interpolated for worst case scenario

S = (1000 / 83.9) - 10
= 1.92

Developed Condition, potential abstraction

P = 4.65 + [(4.84 - 4.65) / (400 - 300)](370 - 300)
= 4.78

[2]Rainfall Depth for 100-yr Storm Event, interpolated for Elevation of 370-ft

Q = $[(4.78 - (0.2)(1.92))^2] / (4.78 + (0.8)(1.92))$
= 3.06

Developed Condition runoff, inches

Volume = (3.06 in)(26.29 ac - 4.42ac)(43,560 ft^2 / ac)(1 ft / 12 in)
= 243,252

Developed Condition volume (site area excluding pond area), ft^3

Change in Volume = Dev. Condition Vol. - Ex. Condition Vol.
= 243,252 - 205,927
= 37,325

Increase in Runoff Volume, ft^3

Change in Pond Depth = Change in Vol. / Pond Surface Area
= (44,869 ft^3 / 284,460 ft^2)(12 in / ft)
= 1.57

Increase in Pond Depth, inches

References

1. State Water Resources Control Boad. *The Clean Water Team Guidance Compendium for Watershed Monitoring and Assessment*.
2. Placer County Flood Control and Water Conservation District. *Stormwater Management Manual*. September 1, 1990.
3. Natural Resources Conservation Service. *Soil Survey of Placer County, California - Western Part*. Survey Area Data: Version 15, August 31, 2023.

APPENDIX F - HYDRAULICS

Reserved for Final Design

APPENDIX G – STORM WATER QUALITY

Post Construction Storm Water Quality Plan

Preliminary Developed DMA SWQ Map

Water Quality – Vegetated Swale Calculations

Flowmaster Worksheets – Vegetated Swale Calculations

Post-Construction
Storm Water Quality Plan

For:

THE RESERVE
TOWN OF LOOMIS, CALIFORNIA

APN: 045-161-033

Prepared for:

Stefan Horstschraer
Owner/Developer
Premier 40, LLC
8483 Douglas Plaza Dr, Suite 110
Granite Bay, CA 95746
(916) 773-0207

Prepared by:

TSD Engineering, Inc.
785 Orchard Dr., Suite 110
Folsom, CA 95630
(916) 607-0707

Preparation Date: 07/16/2025

PLACER COUNTY Approval Date:_____

Section 1 General Project Information

The undersigned owner of the subject property, is responsible for the implementation of the provisions of this Storm Water Quality Plan (SWQP), including ongoing operations and maintenance (O&M), consistent with the requirements of the West Placer Storm Water Quality Design Manual and the State of California Phase II Small MS4 General Permit (Order No: 2013-0001-DWQ). If the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement the SWQP.

For all Regulated Projects (As identified in Form 1-2 below), the undersigned owner hereby grants access to all representatives of the Jurisdictional Agency for the sole purpose of performing O&M inspections of the installed treatment system(s) and hydromodification control(s) if any.

A copy of the final signed and fully approved SWQP shall be available on the subject site for the duration of construction and then stored with the project approval documentation and improvement plans in perpetuity.

Form 1-1 Project Identification and Owner's Certification

Project Site Address:	Located in the intersection of Wells Ave and Barton Road	
Owner Name:	Stefan Horstschraer	
Title	Owner/Devloper	
Company	Premier 40, LLC	
Address	8483 Douglas Plaza Dr, Suite 110	
City, State, Zip Code	Granite Bay, CA 95746	
Email	stefan@premierhomesca.com	
Telephone #	(916) 773-0207	
Signature	Date	
Engineer:*	Tom Jones	PE Stamp* (Required for all Regulated Projects)
Title	Project Engineer	
Company	TSD Engineering, Inc.	
Address	785 Orchard Dr., Suite 110	
City, State, Zip Code	Folsom, CA 95630	
Email	tjones@tsdeng.com	
Telephone #	(916) 607-0707	
Signature		
Brief Description of Project: (Attach additional sheets as necessary)	The Reserve subdivision proposes 20 residential lots that surround a cul-de-sac accessed from the Reserve Court.	

* Not required for Small Projects as determined in Form 1-2 below. Project owners are responsible for ensuring that all storm water facilities are designed by an appropriately licensed and qualified professional.

Form 1-2 Project Category	
Development Category (Select all that apply)	
[1]**Small Project** – All projects, except LUPs, that create and/or replace between 2,500-5,000 ft^2 of impervious surface or detached single family homes that create and/or replace 2,500 ft^2 or more of impervious surface and are not part of a larger plan of development.	
[2]Enter total new and/or replaced impervious surface (ft^2)	
[3]**Regulated Project** – All projects that create and/or replace 5,000 ft^2 or more of impervious surface.	
[4]**Regulated Redevelopment Project** with equal to, or greater than 50 percent increase in impervious area	
[5]**Regulated Redevelopment Project** with less than 50 percent increase in impervious area	
[6]Enter total pre-project impervious surface (ft^2)	
[7]Enter total new and/or replaced impervious surface (ft^2)	
[8]**Regulated Road or linear underground/overhead project (LUP)** creating 5,000 ft^2 or more of newly constructed contiguous impervious surface.	
[9]Enter total new and/or replaced impervious surface (ft^2)	
[10]**Regulated Hydromodification Management Project** – Regulated projects that create and/or replace 1 acre or more of impervious surface. A project that does not increase impervious surface area over the pre-project condition is not a hydromodification management project.	X
[11]Enter total new and/or replaced impervious surface (ft^2)	445,112

Section 3 Regulated Projects

Section 3 forms are to be completed for all Regulated Projects.

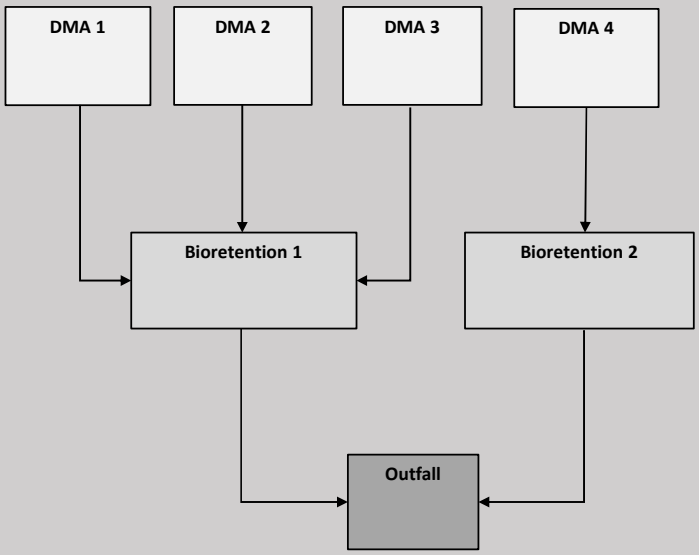
Form 3-1 Site Location and Hydrologic Features

Site coordinates: *Take GPS measurement at approximate center of site*	[1] Latitude	[2] Longitude	[3] Elevation (ft. above sea level)	[4] 85th Percentile, 24 Hour Design Storm Depth (in):
	38.78631	-121.19472	370	0.9

[5] Receiving waters *Name of stream, lake or other downstream waterbody to which the site runoff eventually drains*	Dry Creek
[6] 303(d) listed pollutants of concern *Refer to State Water Resources Control Board website* www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/#impaired	Sediment, oils, fuel, mercury and debris
[7] Is Project going to be phased? *If yes, ensure that the SWQP evaluates each phase with distinct DMAs, requiring LID BMPs to address runoff at time of completion*	No

[8] *Use this form to show a conceptual schematic depicting DMAs and conveyance features connecting DMAs to the site outlet(s). An example is provided below that can be modified for the proposed project or a drawing clearly showing DMAs and flow routing may be attached.*

See Attached Stormwater Quality Schematic & Developed DMA SWQ Map



Form 3-2 Site Assessment and Layout Documentation

	Has this Item been considered in the Site Layout and depicted in the Site Plan?	
	Yes	**Not Applicable (Include brief explanation)**
Define the development envelope and protected areas, identifying areas that are most suitable for development and areas to be landscaped, or left undisturbed, and used for infiltration.	X	
Concentrate development on portions of the site with less permeable soils and preserve areas that can promote infiltration.		N/A Infiltration Rate is the same (Soil Type B)
Limit overall impervious coverage of the site with paving and roofs.	X	
Set back development from creeks, wetlands, and riparian habitats.	X	
Preserve significant trees.	X	
Conform site layout along natural landforms.	X	
Avoid excessive grading and disturbance of vegetation and soils.	X	
Replicate the site's natural drainage patterns.	X	
Detain and retain runoff throughout the site.	X	

Attach a Site Plan that incorporates the applicable considerations above. Ensure that the following items are included in the Site Plan:

Site Boundary
Soil types and areal extents, test pit and infiltration test locations
Topographic data with 1 ft. contours
Existing natural hydrologic features (depressions, watercourses, wetlands, riparian corridors)
Environmentally sensitive areas and areas to be preserved.
Proposed locations and footprints of improvements creating new, or replaced, impervious surfaces
Potential pollutant sources and locations
Entire site divided into separate DMAs with unique identifiers
Existing and proposed site drainage network with flow directions and site run-on and discharge locations
Proposed design features and surface treatments used to minimize imperviousness and reduce runoff
Proposed locations and footprints of treatment and hydromodification management facilities
Design features for managing authorized non-stormwater discharges
Areas of soil and/or groundwater contamination
Existing utilities and easements
Maintenance areas

Form 3-3 Source Control Measures			
Potential Pollutant Generating Activity or Source	Check One		Describe the source control measures to be implemented for each potential pollutant generating activity or source present on the project as listed in Appendix C and in the CASQA Fact Sheets. Include any special features, materials, or methods of construction that will be used.
	Present	Not Applicable	
Accidental spills or leaks	☑	☐	Materials will be stored indoors aways from storm drains or sensitive areas. (CASQA SC-11)
Interior floor drains	☐	☑	
Parking/storage areas and maintenance	☑	☐	Parking/Driveway areas drain to vegetated swales.
Indoor and structural pest control	☑	☐	Fed., State and local laws and regulatons for the use, storage and disposal of pesticides shall be followed. (CASQA SC-41)
Pools, spas, ponds, decorative fountains, and other water features	☑	☐	Never discharge wash water or wastewater to the driveway, street, gutter, or near a storm drain (use local regulation for storm drain discharge)
Landscape/outdoor pesticide use	☑	☐	Fed., State, and local laws and regulations for the use, storage, and disposal of pesticides shall be followed. (CASQA SC-41)
Restaurants, grocery stores, and other food service operations	☐	☑	
Refuse areas	☑	☐	Utilize Good Housekeeping measures and prevent runon and runoff from refuse toter storage areas. (CASQA SC-34)
Industrial Processes	☐	☑	
Outdoor storage of equipment or materials	☑	☐	Limit exposure of rainfall whenever possible. (CASQA SC-30, SC-31, SC-32)
Vehicle and equipment cleaning	☑	☐	If you choose to wash your car at home, wash it on a lawn or other unpaved surface to reduce the amount of car wash water runoff.
Vehicle and equipment repair and maintenance	☐	☑	
Fuel dispensing areas	☐	☑	
Loading docks	☐	☑	
Fire sprinkler test water	☐	☑	
Drain or wash water from boiler drain lines, condensate drain lines, rooftop equipment, drainage sumps, and other sources	☐	☑	
Unauthorized non-storm water discharges	☐	☑	
Building and grounds maintenance	☑	☐	Switch to non-toxic chemical, encourage proper lawn management and native vegetation, integrated pest management, proper yard trimming recycling, and recycle residual paint, solvents, lumber, and other materials.

The source control measures identified in this table shall be designed consistent with recommendations from the CASQA Stormwater BMP Handbook for New Development and Redevelopment[1], or from another equivalent manual.

[1] California Stormwater BMP Handbook New Development and Redevelopment. California Stormwater Quality Association (CASQA). January 2003.

Form 3-4 Runoff Reduction Calculator for Site Design Measures on Regulated Projects

[1]DMA ID No.			1		2		3		4	
Site Design Measure	**Runoff Reduction Parameters**			**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**
[2] Adjacent/On-Site Stream Setbacks and Buffers	A_{imp} (ft^2)	*impervious drainage area*		0		0		0		0
	V_{85} (in)	*runoff volume from 85th percentile, 24-hour storm*	0.8		0.8		0.8		0.8	
[3] Soil Quality Improvement and Maintenance	A_{pond} (ft^2)	*ponding area*		0		0		0		0
	D_{pond} (ft)	*ponding depth*								
	A_{sa} (ft^2)	*soil amendment area*								
	D_{sa} (ft)	*depth of amended soil*								
	n	*porosity of amended soil*								
[4] Tree Planting and Preservation	n_e	*number of new evergreen trees*		1519		708		1395		685
	n_d	*number of new deciduous trees*								
	A_{tc} (ft^2)	*canopy area of existing trees to remain on the property*	22510		10495		20667		10146	
	V_{85} (in)	*runoff volume from 85th percentile, 24-hour storm*	0.8		0.8		0.8		0.8	
[5] Rooftop and Impervious Area Disconnection	A_{imp} (ft^2)	*impervious drainage area*		0	7332	495		0		0
	V_{85} (in)	*runoff volume from 85th percentile, 24-hour storm*	0.8		0.8		0.8		0.8	
[6] Porous Pavement	A_{res} (ft^2)	*area of gravel storage layer*		0		0		0		0
	D_{res} (ft)	*depth of gravel storage layer*								
	n_{agg}	*porosity of aggregate*								
	C	*efficiency factor*								
[7] Vegetated Swales	A_{imp} (ft^2)	*impervious drainage area*	19729	1332		0		0	32400	2187
	V_{85} (in)	*runoff volume from 85th percentile, 24-hour storm*	0.8		0.8		0.8		0.8	
[8] Rain Barrels and Cisterns	N	*number of rain barrels and/or cisterns*		0		0		0		0
	V_a (ft^3)	*volume of each rain barrel and/or cistern*								
[9] Do all Site Design Measures meet the design requirements outlined in the Fact Sheets?					**Yes**	**X**	**No**			
[10] Total Volume Reduction (ft^3)			**2851**		**1203**		**1395**		**2872**	
[11] Effective Treated Impervious Area (ft^2)			**42239**		**17827**		**20667**		**42546**	

Form 3-4 Runoff Reduction Calculator for Site Design Measures on Regulated Projects

DMA ID No.	5		6		7		8		9		10		11		12	
Runoff Reduction Parameters		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
ponding area		0		0		0		0		0		0		0		0
ponding depth																
soil amendment area																
depth of amended soil																
porosity of amended soil																
number of new evergreen trees		0		0		0		532		2690		166		391		7
number of new deciduous trees																
canopy area of existing trees to remain on the property	0		0				7878		39849		2463		5790		101	
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
impervious drainage area		0		0		0	9637	650		0	5927	400	10691	722	8562	578
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
area of gravel storage layer		0		0		0		0		0		0		0		0
depth of gravel storage layer																
porosity of aggregate																
efficiency factor																
impervious drainage area	13915	939	13246	894		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
number of rain barrels and/or cisterns		0		0		0		0		0		0		0		0
volume of each rain barrel and/or cistern																
Total Volume Reduction	**939**		**894**		**0**		**1182**		**2690**		**566**		**1112**		**585**	
Effective Treated Impervious Area	**13915**		**13246**		**0**		**17515**		**39849**		**8390**		**16481**		**8663**	

Form 3-4 Runoff Reduction Calculator for Site Design Measures on Regulated Projects

DMA ID No.	13		14		15		16		17		18		19		20	
Runoff Reduction Parameters		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
ponding area		0		0		0		0		0		0		0		0
ponding depth																
soil amendment area																
depth of amended soil																
porosity of amended soil																
number of new evergreen trees		261		0		0		0		0		0		0		0
number of new deciduous trees																
canopy area of existing trees to remain on the property	3861						0									
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
impervious drainage area	5732	387		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
area of gravel storage layer		0		0		0		0		0		0		0		0
depth of gravel storage layer																
porosity of aggregate																
efficiency factor																
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
number of rain barrels and/or cisterns		0		0		0		0		0		0		0		0
volume of each rain barrel and/or cistern																
Total Volume Reduction	**648**		**0**		**0**		**0**		**0**		**0**		**0**		**0**	
Effective Treated Impervious Area	**9593**		**0**		**0**		**0**		**0**		**0**		**0**		**0**	

Form 3-4 Runoff Reduction Calculator for Site Design Measures on Regulated Projects

DMA ID No.	21		22		23		24		25		26		27		28	
Runoff Reduction Parameters		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
ponding area		0		0		0		0		0		0		0		0
ponding depth																
soil amendment area																
depth of amended soil																
porosity of amended soil																
number of new evergreen trees		0		0		0		0		0		0		0		0
number of new deciduous trees																
canopy area of existing trees to remain on the property																
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
area of gravel storage layer		0		0		0		0		0		0		0		0
depth of gravel storage layer																
porosity of aggregate																
efficiency factor																
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
number of rain barrels and/or cisterns		0		0		0		0		0		0		0		0
volume of each rain barrel and/or cistern																
Total Volume Reduction	**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**	
Effective Treated Impervious Area	**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**	

Form 3-4 Runoff Reduction Calculator for Site Design Measures on Regulated Projects

DMA ID No.	29		30		31		32		33		34		35		36	
Runoff Reduction Parameters		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
ponding area		0		0		0		0		0		0		0		0
ponding depth																
soil amendment area																
depth of amended soil																
porosity of amended soil																
number of new evergreen trees		0		0		0		0		0		0		0		0
number of new deciduous trees																
canopy area of existing trees to remain on the property																
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
area of gravel storage layer		0		0		0		0		0		0		0		0
depth of gravel storage layer																
porosity of aggregate																
efficiency factor																
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
number of rain barrels and/or cisterns		0		0		0		0		0		0		0		0
volume of each rain barrel and/or cistern																
Total Volume Reduction	**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**	
Effective Treated Impervious Area	**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**	

Form 3-4 Runoff Reduction Calculator for Site Design Measures on Regulated Projects

DMA ID No.	37		38		39		40		41		42		43		44	
Runoff Reduction Parameters		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**		**Runoff Reduction (ft^3)**
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
ponding area		0		0		0		0		0		0		0		0
ponding depth																
soil amendment area																
depth of amended soil																
porosity of amended soil																
number of new evergreen trees		0		0		0		0		0		0		0		0
number of new deciduous trees																
canopy area of existing trees to remain on the property																
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
area of gravel storage layer		0		0		0		0		0		0		0		0
depth of gravel storage layer																
porosity of aggregate																
efficiency factor																
impervious drainage area		0		0		0		0		0		0		0		0
runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
number of rain barrels and/or cisterns		0		0		0		0		0		0		0		0
volume of each rain barrel and/or cistern																
Total Volume Reduction	**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**	
Effective Treated Impervious Area	**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**	

Form 3-5 Computation of Water Quality Design Criteria for Stormwater Treatment and Baseline Hydromodification Measures																						
DMA ID No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**
[1]Total impervious area requiring treatment	42,239	17,827	18,393	42,546	13,915	13,246		17,515	27,853	8,390	16,481	8,663	9,593									
[2] Impervious area untreated by Site Design Measures (ft^2) *Item 1 – Form 3-4 Item 11*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[3]Additional pervious area draining to BMP (ft^2)	88,879	52,918	55,772	119,629	6,049	6,325		48,479	112,196	29,835	44,918	35,129	44,101									
[4] Composite DMA Runoff Coefficient (Rc) *Enter area weighted composite runoff coefficient representing entire DMA*	0.44	0.39	0.39	0.40	0.72	0.71		0.40	0.35	0.36	0.40	0.35	0.33									
[5] Water Quality Volume (WQV) (ft^3) *WQV = 1/12 * [Item 2 + Item 3) *Item 4] * Unit WQV*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[6] Water Quality Flow (WQF) (cfs) *WQF = 1/43,200 * [0.2* (Item 2 + Item 3) * Item4]*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

[5, 6] Values will equal zero if all impervious area has been treated by Site Design Measures.

DMA ID No.	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**
[1]Total impervious area requiring treatment																						
[2] Impervious area untreated by Site Design Measures (ft^2) *Item 1 – Form 3-4 Item 11*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[3]Additional pervious area draining to BMP (ft^2)																						
[4] Composite DMA Runoff Coefficient (Rc) *Enter area weighted composite runoff coefficient representing entire DMA*																						
[5] Water Quality Volume (WQV) (ft^3) *WQV = 1/12 * [Item 2 + Item 3) *Item 4] * Unit WQV*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[6] Water Quality Flow (WQF) (cfs) *WQF = 1/43,200 * [0.2* (Item 2 + Item 3) * Item4]*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

[5, 6] Values will equal zero if all impervious area has been treated by Site Design Measures.

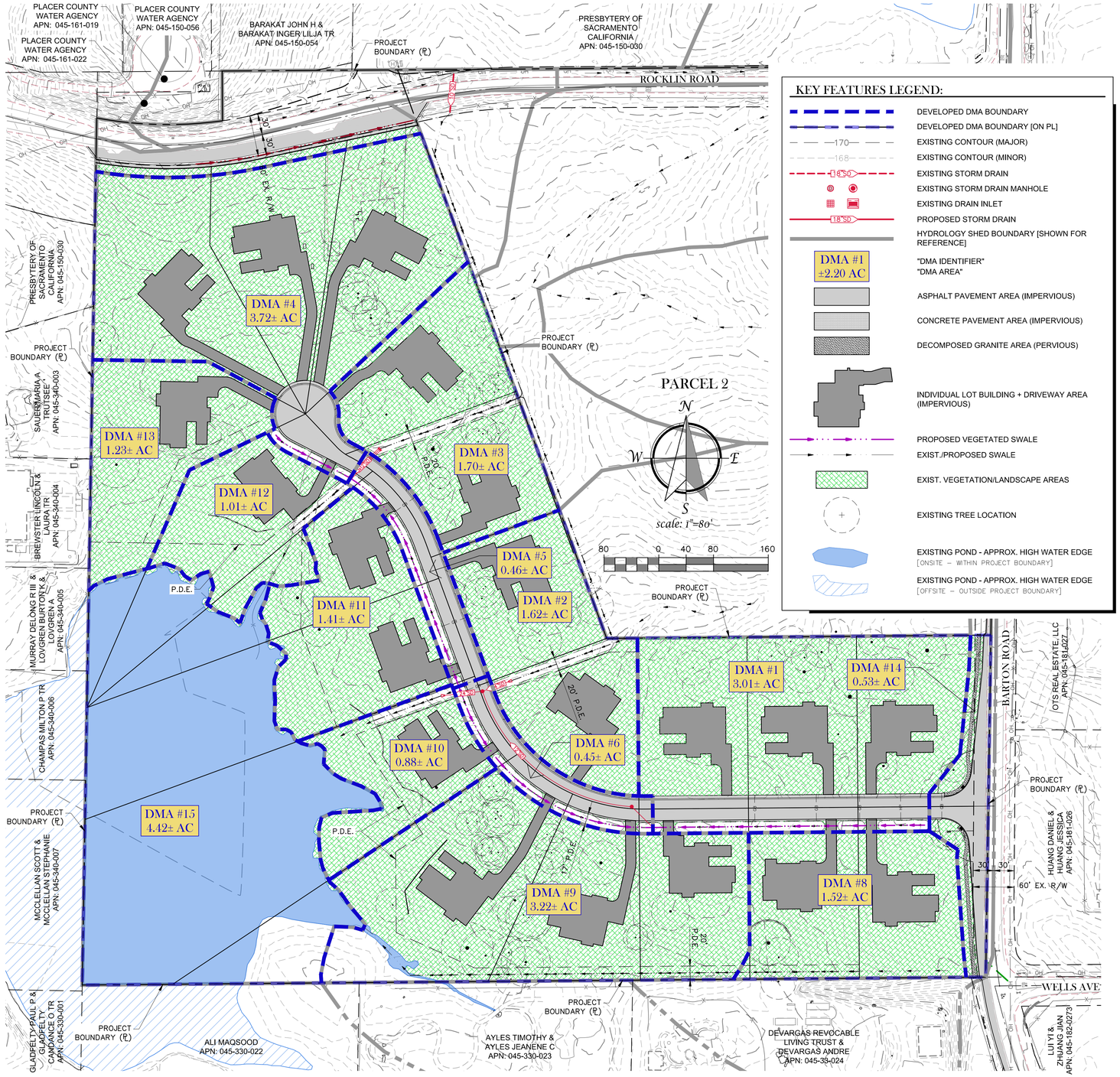
Form 5-1 BMP Inspection and Maintenance		
BMP	**Inspection Point and Frequency**	**Maintenance Activity Required**
SWQ SWALES	Inlet/Outlet Structures (Bi-annually)	Ensure stable conveyance into facility, remove debris, repair any erosion
	Vegetation (on-going)	Prune and weed to keep water quality swales neat and orderly
	Irrigation (on-going)	Irrigate as required to establish and/or maintain vegetation
	Trash (Monthy, or as needed after storm events)	Remove obstructions, debris and trash from swales and dispose of properly.
EXISITNG TREE CANOPY (SITE)	Irrigation (on-going)	Irrigate as required to establish and/or maintain trees
	Pruning (on-going)	Prune dead vegetation from trees on a regular basis
	Planting Areas (annually)	Remove fallen leaves and debris that could enter stormwater runoff
	Treating (on-going)	Minimize the use of chemical fertilizers & pesticides
NATURAL AND/OR DEVELOPED VEGETATED AREAS (Individual Lots)	Trash & Sediment (on-going)	Remove accumulated sediment, trash debris, leaves and grass clippings. Remove tree seedlings.

Form 6-1 Post-Construction Stormwater BMPs

Following is a summary of all BMPs included in the Project design. This checklist must be included on the cover sheet of the Improvement Plans for all Regulated Projects.

BMP		Plan Sheet Number(s)
Structural Source Controls (list BMPs)		
Site Design Measures	Stream Setbacks and Buffers	**C-7.0**
	Soil Quality Improvement and Maintenance	**N/A**
	Tree Planting and Preservation	**C3.0 & C5.0**
	Rooftop and Impervious Area Disconnection	**C7.0**
	Porous Pavement	**N/A**
	Vegetated Swales	**SWQP EXHIBIT**
	Rain Barrels and Cisterns	**N/A**
Stormwater Treatment and Baseline Hydromodification Measures	Bioretention with Infiltration	**N/A**
	Flow-Through Planters, Tree Box Filters and Media Filters	**N/A**
Hydromodification Management Measures	Supplemental Detention	**N/A**

Preliminary Developed DMA SWQ Map



KEY FEATURES LEGEND:

- DEVELOPED DMA BOUNDARY
- DEVELOPED DMA BOUNDARY [ON PL]
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING STORM DRAIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING DRAIN INLET
- PROPOSED STORM DRAIN
- HYDROLOGY SHED BOUNDARY [SHOWN FOR REFERENCE]
- "DMA IDENTIFIER" "DMA AREA"
- ASPHALT PAVEMENT AREA (IMPERVIOUS)
- CONCRETE PAVEMENT AREA (IMPERVIOUS)
- DECOMPOSED GRANITE AREA (PERVIOUS)
- INDIVIDUAL LOT BUILDING + DRIVEWAY AREA (IMPERVIOUS)
- PROPOSED VEGETATED SWALE
- EXIST./PROPOSED SWALE
- EXIST. VEGETATION/LANDSCAPE AREAS
- EXISTING TREE LOCATION
- EXISTING POND - APPROX. HIGH WATER EDGE [ONSITE – WITHIN PROJECT BOUNDARY]
- EXISTING POND - APPROX. HIGH WATER EDGE [OFFSITE – OUTSIDE PROJECT BOUNDARY]

DMA SURFACE DATA:

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #1 AREA =	**131,118**	**3.01**
PERVIOUS		
LANDSCAPE AREAS[1]	88,879	2.04
PERVIOUS AREA TOTAL[2] =	**88,879**	**2.04**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	23,191	0.53
ASSUMED FUTURE CONCRETE FLATWORK[4]	4,500	0.10
AC & PCC PAVEMENT AREAS (ROADWAY)[5]	14,548	0.33
IMPERVIOUS AREA TOTAL[6] =	**42,239**	**0.97**
TOTAL AREA (CHECK) =	131,118	3.01

Notes:
1. Total = DMA #1 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #1 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC & PCC pavement within Reserve Court for DMA #1.
6. Total impervious area for DMA #1 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #2 AREA =	**70,745**	**1.62**
PERVIOUS		
LANDSCAPE AREAS[1]	52,918	1.21
PERVIOUS AREA TOTAL[2] =	**52,918**	**1.21**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	14,827	0.34
ASSUMED FUTURE CONCRETE FLATWORK[4]	3,000	0.07
AC & PCC PAVEMENT AREAS (ROADWAY)[5]	0	0.00
IMPERVIOUS AREA TOTAL[6] =	**17,827**	**0.41**
TOTAL AREA (CHECK) =	70,745	1.62

Notes:
1. Total = DMA #2 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #2 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC & PCC pavement within Reserve Court for DMA #2.
6. Total impervious area for DMA #2 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #3 AREA =	**74,165**	**1.70**
PERVIOUS		
LANDSCAPE AREAS[1]	55,772	1.28
PERVIOUS AREA TOTAL[2] =	**55,772**	**1.28**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	15,393	0.35
ASSUMED FUTURE CONCRETE FLATWORK[4]	3,000	0.07
AC & PCC PAVEMENT AREAS (ROADWAY)[5]	0	0.00
IMPERVIOUS AREA TOTAL[6] =	**18,393**	**0.42**
TOTAL AREA (CHECK) =	74,165	1.70

Notes:
1. Total = DMA #3 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #3 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC & PCC pavement within Reserve Court for DMA #3.
6. Total impervious area for DMA #3 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #4 AREA =	**162,175**	**3.72**
PERVIOUS		
LANDSCAPE AREAS[1]	119,629	2.75
PERVIOUS AREA TOTAL[2] =	**119,629**	**2.75**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	28,340	0.65
ASSUMED FUTURE CONCRETE FLATWORK[4]	4,500	0.10
AC & PCC PAVEMENT AREAS (ROADWAY)[5]	9,706	0.22
IMPERVIOUS AREA TOTAL[6] =	**42,546**	**0.98**
TOTAL AREA (CHECK) =	162,175	3.72

Notes:
1. Total = DMA #3 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #3 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC & PCC pavement within Reserve Court for DMA #3.
6. Total impervious area for DMA #3 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #5 AREA =	**19,964**	**0.46**
PERVIOUS		
LANDSCAPE AREAS[1]	6,049	0.14
PERVIOUS AREA TOTAL[2] =	**6,049**	**0.14**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	618	0.01
ASSUMED FUTURE CONCRETE FLATWORK[4]	0	0.00
AC & PCC PAVEMENT AREAS (ROADWAY)[5]	13,297	0.31
IMPERVIOUS AREA TOTAL[6] =	**13,915**	**0.32**
TOTAL AREA (CHECK) =	19,964	0.46

Notes:
1. Total = DMA #3 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #3 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC & PCC pavement within Reserve Court for DMA #3.
6. Total impervious area for DMA #3 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #6 AREA =	**19,571**	**0.45**
PERVIOUS		
LANDSCAPE AREAS[1]	6,325	0.15
PERVIOUS AREA TOTAL[2] =	**6,325**	**0.15**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	856	0.02
ASSUMED FUTURE CONCRETE FLATWORK[4]	0	0.00
AC & PCC PAVEMENT AREAS (ROADWAY)[5]	12,390	0.28
IMPERVIOUS AREA TOTAL[6] =	**13,246**	**0.30**
TOTAL AREA (CHECK) =	19,571	0.45

Notes:
1. Total = DMA #3 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #3 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC & PCC pavement within Reserve Court for DMA #3.
6. Total impervious area for DMA #3 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #8 AREA =	**65,994**	**1.52**
PERVIOUS		
LANDSCAPE AREAS[1]	48,479	1.11
PERVIOUS AREA TOTAL[2] =	**48,479**	**1.11**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	14,515	0.33
ASSUMED FUTURE CONCRETE FLATWORK[4]	3,000	0.07
AC PAVEMENT AREAS (ROADWAY)[5]	0	0.00
IMPERVIOUS AREA TOTAL[6] =	**17,515**	**0.40**
TOTAL AREA (CHECK) =	65,994	1.52

Notes:
1. Total = DMA #8 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #8 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC pavement within Reserve Court for DMA #8.
6. Total impervious area for DMA #8 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #9 AREA =	**140,049**	**3.22**
PERVIOUS		
LANDSCAPE AREAS[1]	112,196	2.58
PERVIOUS AREA TOTAL[2] =	**112,196**	**2.58**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	23,353	0.54
ASSUMED FUTURE CONCRETE FLATWORK[4]	4,500	0.10
AC PAVEMENT AREAS (ROADWAY)[5]	0	0.00
IMPERVIOUS AREA TOTAL[6] =	**27,853**	**0.64**
TOTAL AREA (CHECK) =	140,049	3.22

Notes:
1. Total = DMA #9 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #9 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC pavement within Reserve Court for DMA #9.
6. Total impervious area for DMA #9 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #10 AREA =	**38,225**	**0.88**
PERVIOUS		
LANDSCAPE AREAS[1]	29,835	0.68
PERVIOUS AREA TOTAL[2] =	**29,835**	**0.68**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	6,890	0.16
ASSUMED FUTURE CONCRETE FLATWORK[4]	1,500	0.03
AC PAVEMENT AREAS (ROADWAY)[5]	0	0.00
IMPERVIOUS AREA TOTAL[6] =	**8,390**	**0.19**
TOTAL AREA (CHECK) =	38,225	0.88

Notes:
1. Total = DMA #10 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #10 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC pavement within Reserve Court for DMA #10.
6. Total impervious area for DMA #10 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #11 AREA =	**61,399**	**1.41**
PERVIOUS		
LANDSCAPE AREAS[1]	44,918	1.03
PERVIOUS AREA TOTAL[2] =	**44,918**	**1.03**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	13,481	0.31
ASSUMED FUTURE CONCRETE FLATWORK[4]	3,000	0.07
AC PAVEMENT AREAS (ROADWAY)[5]	0	0.00
IMPERVIOUS AREA TOTAL[6] =	**16,481**	**0.38**
TOTAL AREA (CHECK) =	61,399	1.41

Notes:
1. Total = DMA #11 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #11 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC pavement within Reserve Court for DMA #11.
6. Total impervious area for DMA #11 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #12 AREA =	**43,792**	**1.01**
PERVIOUS		
LANDSCAPE AREAS[1]	35,129	0.81
PERVIOUS AREA TOTAL[2] =	**35,129**	**0.81**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	7,163	0.16
ASSUMED FUTURE CONCRETE FLATWORK[4]	1,500	0.03
AC PAVEMENT AREAS (ROADWAY)[5]	0	0.00
IMPERVIOUS AREA TOTAL[6] =	**8,663**	**0.20**
TOTAL AREA (CHECK) =	43,792	1.01

Notes:
1. Total = DMA #12 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #12 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC pavement within Reserve Court for DMA #12.
6. Total impervious area for DMA #12 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #13 AREA =	**53,694**	**1.23**
PERVIOUS		
LANDSCAPE AREAS[1]	44,101	1.01
PERVIOUS AREA TOTAL[2] =	**44,101**	**1.01**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	8,093	0.19
ASSUMED FUTURE CONCRETE FLATWORK[4]	1,500	0.03
AC PAVEMENT AREAS (ROADWAY)[5]	0	0.00
IMPERVIOUS AREA TOTAL[6] =	**9,593**	**0.22**
TOTAL AREA (CHECK) =	53,694	1.23

Notes:
1. Total = DMA #13 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #13 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC pavement within Reserve Court for DMA #13.
6. Total impervious area for DMA #13 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #14 AREA =	**23,299**	**0.53**
PERVIOUS		
LANDSCAPE AREAS[1]	10,385	0.24
PERVIOUS AREA TOTAL[2] =	**10,385**	**0.24**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	0	0.00
ASSUMED FUTURE CONCRETE FLATWORK[4]	0	0.00
AC PAVEMENT AREAS (ROADWAY)[5]	12,914	0.30
IMPERVIOUS AREA TOTAL[6] =	**12,914**	**0.30**
TOTAL AREA (CHECK) =	23,299	0.53

Notes:
1. Total = DMA #14 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #14 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC pavement within Reserve Court + Barton Road for DMA #14.
6. Total impervious area for DMA #14 used in SWQP - Form 3-5, Item 1.

SURFACE DESCRIPTION	AREA SF	AREA AC
TOTAL DMA #15 AREA =	**192,625**	**4.42**
PERVIOUS		
LANDSCAPE AREAS[1]	192,625	4.42
PERVIOUS AREA TOTAL[2] =	**192,625**	**4.42**
IMPERVIOUS		
BUILDING AREAS + DRIVEWAY[3]	0	0.00
ASSUMED FUTURE CONCRETE FLATWORK[4]	0	0.00
AC PAVEMENT AREAS (ROADWAY)[5]	0	0.00
IMPERVIOUS AREA TOTAL[6] =	**0**	**0.00**
TOTAL AREA (CHECK) =	192,625	4.42

Notes:
1. Total = DMA #14 Area Less Bldg + Driveway + Patios & Walkways.
2. Total pervious area for DMA #14 used in SWQP - Form 3-5, Item 3.
3. Based on Lot Fit Analysis and assumed driveway configurations.
4. Based on 1,500 SF of future flatwork per lot for patios & walkways in back & side yards.
5. AC pavement within Reserve Court for DMA #14.
6. Total impervious area for DMA #14 used in SWQP - Form 3-5, Item 1.

THE RESERVE - TOWN OF LOOMIS

EXH-5

SW Corner of Rocklin Road and Barton Road
Loomis, California

Proposed By:
PREMIER HOMES
8483 Douglas Plaza Dr
Granite Bay, CA 95746

JULY 16, 2025
3RD SUBMITTAL

TSD ENGINEERING, INC.
expect more.
785 Orchard Drive, Suite #110
Folsom, CA 95630
Phone: (916) 608-0707
Fax: (916) 608-0701

P:\Projects\506-001\03 REPORTS\HYDROLOGY AND HYDRAULICS_Entitlements\Appendix G – LID & SWQ\506-001 – Developed DMA SWQ Map.dwg, Johnathon Medina, 10:47:31, 07-16-25

The Reserve

PLACER COUNTY, CA

WATER QUALITY - VEGETATED SWALE CALCULATIONS

Original Date: 9/30/2024 Checked By: CSF

Revised Date: 7/15/2025 Prepared By: TNJ, JM

			WATER QUALITY FLOW - HYDRAULICS							
SWALE I.D.	DMA I.D.	DMA AREA$_1$	C Value$_2$	INTENSITY$_3$	Q_4	DEPTH IN SWALE$_5$		VELOCITY$_6$	LENGTH OF SWALE	SWALE RETENTION TIME$_7$
		acres		in/hr	cfs	ft	in	ft/s	ft	min
WQ Swale #1	1	3.01	0.44	0.20	0.26	0.3333	4.0	0.26	397	25
WQ Swale #4	4	3.72	0.40	0.20	0.30	0.3333	4.0	0.30	379	21
WQ Swale #5	5	0.46	0.72	0.20	0.07	0.2083	2.5	0.13	351	45
WQ Swale #6	6	0.45	0.70	0.20	0.06	0.1917	2.3	0.12	126	18

NOTES:

1. DMA Area requiring treatment via vegetated swale BMP.
2. Composite Runoff Coefficient for subject DMA (See Calulations Page 2).
3. Water Quality Flow-Based Intensity per Stormwater Quality Design Manual for Sacramento and South Placer Regions (Roseville), May 2007
4. Water Quality Flow Rate → Q = CiA
5. Water Quality Flow Depth (Reference FlowMaster® Worksheets - Appendix G)
6. Water Quality Flow Velocity (Reference FlowMaster® Worksheets - Appendix G). Velocity ≤ Per Placer County SQDM SDM-6.
7. Treatment Contact Time within Swale (Time = Swale Length ÷ Velocity). Time ≥ 10 minutes Per Placer County SQDM SMD-6.

COMPOSITE RUNOFF COEFFICIENT CALCULATIONS

DMA 1

$$\text{Comp C} = \frac{(C1*A1) + (C2*A2)}{A1 + A2}$$

Where:

C1 =	0.2	→	Runoff Coefficient for Landscaped Areas (Pervious)
A1 =	2.04	→	Pervious Area for DMA 1 (acres) per Developed DMA SWQ Map - Appendix G
C2 =	0.95	→	Runoff Coefficient for Impervious Areas
A2 =	0.97	→	Impervious Area for DMA 1 (acres) per Developed DMA SWQ Map - Appendix G

$$\text{Comp C} = \frac{(0.2*2.7) + (0.95*1.15)}{2.7+1.15} \rightarrow 0.44169435$$

DMA 4

$$\text{Comp C} = \frac{(C1*A1) + (C2*A2)}{A1 + A2}$$

Where:

C1 =	0.2	→	Runoff Coefficient for Landscaped Areas (Pervious)
A1 =	2.75	→	Pervious Area for DMA 2 (acres) per Developed DMA SWQ Map - Appendix G
C2 =	0.95	→	Runoff Coefficient for Impervious Areas
A2 =	0.98	→	Impervious Area for DMA 2 (acres) per Developed DMA SWQ Map - Appendix G

$$\text{Comp C} = \frac{(0.2*0.39) + (0.95*0.29)}{0.39+0.29} \rightarrow 0.39705094$$

DMA 5

$$\text{Comp C} = \frac{(C1*A1) + (C2*A2)}{A1 + A2}$$

Where:

C1 =	0.2	→	Runoff Coefficient for Landscaped Areas (Pervious)
A1 =	0.14	→	Pervious Area for DMA 5 (acres) per Developed DMA SWQ Map - Appendix G
C2 =	0.95	→	Runoff Coefficient for Impervious Areas
A2 =	0.32	→	Impervious Area for DMA 5 (acres) per Developed DMA SWQ Map - Appendix G

$$\text{Comp C} = \frac{(0.2*1.92) + (0.95*0.71)}{1.92+0.71} \rightarrow 0.72173913$$

DMA 6

$$\text{Comp C} = \frac{(C1*A1) + (C2*A2)}{A1 + A2}$$

Where:

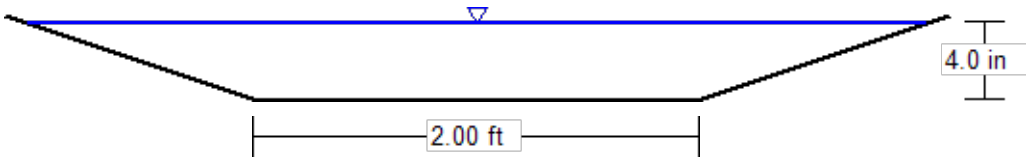
C1 =	0.2	→	Runoff Coefficient for Landscaped Areas (Pervious)
A1 =	0.15	→	Pervious Area for DMA 6 (acres) per Developed DMA SWQ Map - Appendix G
C2 =	0.95	→	Runoff Coefficient for Impervious Areas
A2 =	0.3	→	Impervious Area for DMA 6 (acres) per Developed DMA SWQ Map - Appendix G

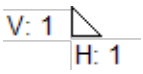
$$\text{Comp C} = \frac{(0.2*0.08) + (0.95*0.09)}{0.08+0.09} \rightarrow 0.7$$

Cross Section for Water Quality Swale #1 - WQF

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.250
Channel Slope	0.012 ft/ft
Normal Depth	4.0 in
Left Side Slope	3.000 H:V
Right Side Slope	3.000 H:V
Bottom Width	2.00 ft
Discharge	0.26 cfs





Worksheet for Water Quality Swale #1 - WQF

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.250
Channel Slope	0.012 ft/ft
Left Side Slope	3.000 H:V
Right Side Slope	3.000 H:V
Bottom Width	2.00 ft
Discharge	0.26 cfs

Results	
Normal Depth	4.0 in
Flow Area	1.0 ft²
Wetted Perimeter	4.1 ft
Hydraulic Radius	2.9 in
Top Width	4.02 ft
Critical Depth	0.9 in
Critical Slope	2.238 ft/ft
Velocity	0.26 ft/s
Velocity Head	0.00 ft
Specific Energy	0.34 ft
Froude Number	0.090
Flow Type	Subcritical

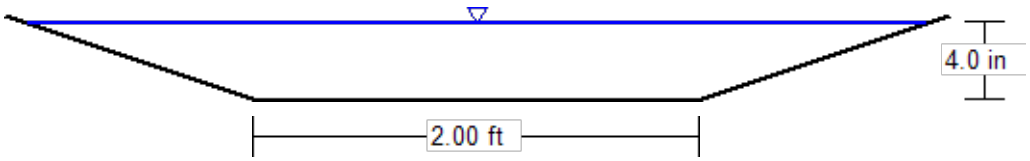
GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

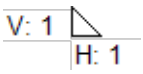
GVF Output Data	
Upstream Depth	0.0 in
Profile Description	
Profile Headloss	0.00 ft
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	4.0 in
Critical Depth	0.9 in
Channel Slope	0.012 ft/ft
Critical Slope	2.238 ft/ft

Cross Section for Water Quality Swale #4 - WQF

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.250
Channel Slope	0.016 ft/ft
Normal Depth	4.0 in
Left Side Slope	3.000 H:V
Right Side Slope	3.000 H:V
Bottom Width	2.00 ft
Discharge	0.30 cfs





Worksheet for Water Quality Swale #4 - WQF

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.250
Channel Slope	0.016 ft/ft
Left Side Slope	3.000 H:V
Right Side Slope	3.000 H:V
Bottom Width	2.00 ft
Discharge	0.30 cfs

Results	
Normal Depth	4.0 in
Flow Area	1.0 ft²
Wetted Perimeter	4.1 ft
Hydraulic Radius	3.0 in
Top Width	4.02 ft
Critical Depth	1.0 in
Critical Slope	2.178 ft/ft
Velocity	0.30 ft/s
Velocity Head	0.00 ft
Specific Energy	0.34 ft
Froude Number	0.104
Flow Type	Subcritical

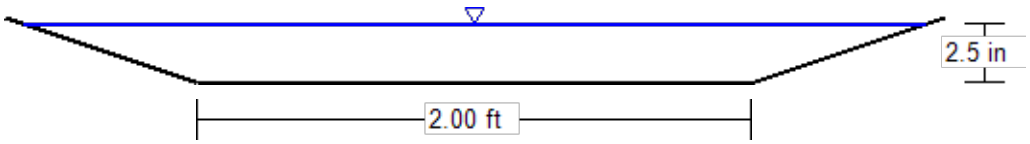
GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

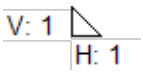
GVF Output Data	
Upstream Depth	0.0 in
Profile Description	
Profile Headloss	0.00 ft
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	4.0 in
Critical Depth	1.0 in
Channel Slope	0.016 ft/ft
Critical Slope	2.178 ft/ft

Cross Section for Water Quality Swale #5 - WQF

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.250
Channel Slope	0.005 ft/ft
Normal Depth	2.5 in
Left Side Slope	3.000 H:V
Right Side Slope	3.000 H:V
Bottom Width	2.00 ft
Discharge	0.07 cfs





Worksheet for Water Quality Swale #5 - WQF

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.250
Channel Slope	0.005 ft/ft
Left Side Slope	3.000 H:V
Right Side Slope	3.000 H:V
Bottom Width	2.00 ft
Discharge	0.07 cfs

Results	
Normal Depth	2.5 in
Flow Area	0.6 ft²
Wetted Perimeter	3.3 ft
Hydraulic Radius	2.0 in
Top Width	3.26 ft
Critical Depth	0.4 in
Critical Slope	2.893 ft/ft
Velocity	0.13 ft/s
Velocity Head	0.00 ft
Specific Energy	0.21 ft
Froude Number	0.054
Flow Type	Subcritical

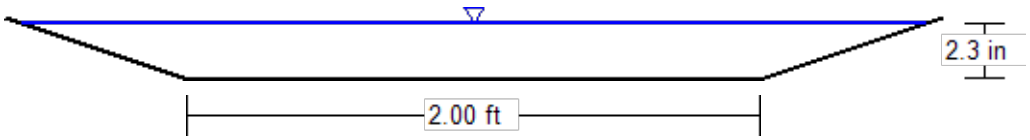
GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

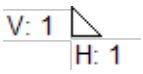
GVF Output Data	
Upstream Depth	0.0 in
Profile Description	
Profile Headloss	0.00 ft
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	2.5 in
Critical Depth	0.4 in
Channel Slope	0.005 ft/ft
Critical Slope	2.893 ft/ft

Cross Section for Water Quality Swale #6 - WQF

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.250
Channel Slope	0.005 ft/ft
Normal Depth	2.3 in
Left Side Slope	3.000 H:V
Right Side Slope	3.000 H:V
Bottom Width	2.00 ft
Discharge	0.06 cfs





Worksheet for Water Quality Swale #6 - WQF

Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth

Input Data	
Roughness Coefficient	0.250
Channel Slope	0.005 ft/ft
Left Side Slope	3.000 H:V
Right Side Slope	3.000 H:V
Bottom Width	2.00 ft
Discharge	0.06 cfs

Results	
Normal Depth	2.3 in
Flow Area	0.5 ft²
Wetted Perimeter	3.2 ft
Hydraulic Radius	1.9 in
Top Width	3.16 ft
Critical Depth	0.4 in
Critical Slope	2.988 ft/ft
Velocity	0.12 ft/s
Velocity Head	0.00 ft
Specific Energy	0.19 ft
Froude Number	0.054
Flow Type	Subcritical

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	
Profile Headloss	0.00 ft
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	2.3 in
Critical Depth	0.4 in
Channel Slope	0.005 ft/ft
Critical Slope	2.988 ft/ft

APPENDIX G

TRAFFIC EVALUATION ANALYSIS

Kimley»Horn

Memorandum

To: Stefan Horstchraer
Premier Homes, LLC

From: Bryant Lee, EIT
Stephen Dillon, PE

Re: ***The Reserve***
Traffic Evaluation

Date: September 2, 2025

The purpose of this memorandum is to document the results of a traffic evaluation completed for a proposed 20-unit single-family residential development project (the "proposed project", "project", or "the Reserve"). The project is proposed on an existing parcel totaling approximately 26.14-acres, located southwest of the Barton Road intersection with Rocklin Road in Loomis, California (the "Town"). The proposed site plan for the project is shown in **Exhibit 1**. The project will construct 20 single-family detached homes. Access to the project site will be provided via one (1) full access driveway onto Barton Road between Rocklin Road and Wells Avenue.

Based on the scope developed in consultation with the Town of Loomis[1], this traffic evaluation considered the weekday AM and PM peak-hours under Existing (2025) and Existing (2025) plus Project conditions.

Study Facilities and Analysis Methodology

Study Facilities
Exhibit 2 shows the location of the project site with respect to the surrounding study area. **Exhibit 3** illustrates the existing study facilities, traffic control, and lane configurations. A level of service (LOS) analysis was completed for the following facilities:

Intersections
1. Barton Road at Rocklin Road
2. Barton Road at Wells Avenue
3. *Barton Road at Project Driveway (plus Project only)*

Roadway Segments
1. Barton Road, between Wells Avenue and Rocklin Road
2. Rocklin Road, west of Barton Road

Level of Service (LOS) Definitions

The LOS of a facility is a qualitative measure used to describe operational conditions. LOS ranges from A, which represents minimal delay, to F, which represents heavy delay and a facility that is operating at or near its functional capacity. Levels of Service for this study were determined using methods defined in the *Highway Capacity Manual (HCM), 7th Edition.* The LOS for the intersections was evaluated using Synchro 12 analysis software.

[1] Email correspondence with Rob Brueck, Hauge Brueck Associates, April 8, 2025.

The HCM includes procedures for analyzing side-street stop controlled (SSSC), all-way stop controlled (AWSC), and signalized intersections. The SSSC procedure defines LOS as a function of average control delay for the worst (most delay) minor street approach or movement. Conversely, the AWSC and signalized intersection procedures define LOS as a function of average control delay for the intersection as a whole. **Table 1** presents intersection LOS definitions as defined in the HCM.

Table 1 – Intersection Level of Service Criteria

Level of Service (LOS)	Un-Signalized	Signalized
	Average Control Delay* (sec/veh)	Average Control Delay (sec/veh)
A	≤ 10	≤ 10
B	> 10 – 15	> 10 – 20
C	> 15 – 25	> 20 – 35
D	> 25 – 35	> 35 – 55
E	> 35 – 50	> 55 – 80
F	> 50	> 80

Source: Highway Capacity Manual, 7th Edition
* Applied to the worst lane/lane group(s) for SSSC

Consistent with standards applied in the Town's General Plan Environmental Impact Report (EIR)[2], the roadway segment analysis was performed in accordance with the Sacramento County guidelines[3] by applying average daily traffic (ADT) volume thresholds as presented in **Table 2**. Barton Road and Rocklin Road are classified as two-lane arterials with low access control (AL 2) in the Town's General Plan EIR.

Table 2 – Roadway Segment Level of Service Thresholds

Roadway Classification	LOS A	LOS B	LOS C	LOS D	LOS E
2-Lane Arterial (Low Access Control, AL 2)	9,000	10,500	12,000	13,500	15,000

Source: Sacramento County Traffic Analysis Guidelines (July 2020)

Assessment of Proposed Project

Trip Distribution and Assignment

The number of trips generated by the proposed project in all analysis scenarios was approximated using data provided in the *Trip Generation Manual, 11th Edition,* published by the Institute of Transportation Engineers (ITE). The average rate for ITE Land Use Code 210 (Single-Family Detached Housing) was used to represent the project. Trips generated by the proposed project are presented in **Table 3**.

As shown in **Table 3**, the proposed project is anticipated to generate 190 Daily trips, 14 AM peak-hour trips, and 19 PM peak-hour trips.

The distribution of project traffic to the adjacent roadway network was developed based on the site's anticipated operations, proximity to prospective destinations, adjacent roadway facility characteristics, and engineering judgement. Project trips were assigned to the study intersections and proximate roadway network according to these patterns. The project trip distribution and trip assignment are provided in **Exhibit 4**.

[2] *Town of Loomis General Plan 2020-2040 – Final Environmental Impact Report*, AECOM, March 2024.
[3] *Traffic Analysis Guidelines*, Sacramento County, July 2020.

Table 3 – Proposed Project Trip Generation

Land Use (ITE Code)	Size	Daily Trips	AM Peak-Hour					PM Peak-Hour				
			Total Trips	In		Out		Total Trips	In		Out	
				%	Trips	%	Trips		%	Trips	%	Trips
Single-Family Detached Housing (LU 210)[1]	20 Dwelling Units	190	14	29%	4	71%	10	19	63%	12	37%	7
New External Trips		**190**	**14**		**4**		**10**	**19**		**12**		**7**

Source: [1]Trip Generation Manual, 11th Edition

Analysis Results

Data Collection

AM and PM peak-period intersection turning movement counts and 24-hour roadway segment counts were collected on Tuesday, April 29, 2025 to establish Existing (2025) baseline analysis conditions. The existing traffic data includes pedestrian and bicycle counts. The traffic data collected for the project is provided in Attachment A.

Intersection Level of Service (LOS)

Existing (2025) peak-hour traffic volumes are illustrated in Exhibit 5. Project trips were added to the Existing (2025) peak-hour traffic volumes to establish the Existing (2025) plus Project analysis condition. The Existing (2025) plus Project peak-hour traffic volumes are illustrated in Exhibit 6. Synchro analysis worksheets for the Existing (2025) scenario are provided in Attachment B. Synchro analysis worksheets for the Existing (2025) plus Project scenario are provided in Attachment C.

Table 4 presents the peak-hour intersection LOS analysis results. As indicated in Table 4, the study intersections operate between LOS B and E in the Existing (2025) and Existing (2025) plus Project scenarios.

Table 4 – Existing (2025) and Existing (2025) plus Project Intersection LOS Summary

ID	Intersection	Peak Hour	Target LOS	Control	Existing (2025)		Existing (2025) plus Project	
					Delay (sec)	LOS	Delay (sec)	LOS
1	Barton Road at Rocklin Road	AM	C	AWSC	**35.7**	**E**	**37.5**	**E**
		PM			**33.2**	**D**	**34.4**	**D**
2	Barton Road at Wells Avenue	AM	C	SSSC	4.5(16.5 WB)	A(C)	4.5(16.4 WB)	A(C)
		PM			2.6(15.1 WB)	A(C)	2.6(15.3 WB)	A(C)
3	Barton Road at Project Driveway	AM	C	SSSC	Not Reported in Scenario		0.2(14.6 EB)	A(B)
		PM					2.6(15.3 EB)	A(C)

Notes: **Bold** represents deficient operations. Shaded indicates a project induced deficiency.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst approach delay.

Roadway Segment Level of Service (LOS)

Table 5 presents the roadway segment operating conditions for the Existing (2025) and Existing (2025) plus Project scenarios. As shown in Table 5, the study roadway segments operate at LOS C in both the Existing (2025) and Existing (2025) plus Project scenarios.

Table 5 – Existing (2025) and Existing (2025) plus Project Roadway Segment LOS Summary

Segment ID	Location	Facility Type	Existing (2025)		Existing (2025) plus Project	
			Daily Volume	LOS	Daily Volume	LOS
1	Barton Rd, between Wells Ave and Rocklin Rd	2-Lane Arterial (AL 2)	10,630	C	10,735	C
2	Rocklin Rd, west of Barton Rd	2-Lane Arterial (AL 2)	10,980	C	11,066	C

Queuing Analysis Results

Vehicle queuing for study intersections was evaluated for the analysis scenarios as summarized in Table 6. The 95th-percentile queue results were compared against the available vehicle storage lengths at select intersection movements, specifically the northbound left-turn at Intersection #1 (Rocklin Road at Barton Road), to determine if the queues are anticipated to exceed their available storage. As shown in Table 6, the presented queues for the northbound left-turn movement at Intersection #1 are anticipated to exceed the available vehicle storage during both the AM and PM peak-hours under Existing (2025) and Existing (2025) plus Project conditions. The project contributes a nominal amount of additional queueing to the existing condition.

Table 6 – Intersection Queuing Analysis Results

Intersection / Analysis Scenario	Movement	Available Storage (ft)	AM Peak-Hour	PM Peak-Hour
			95th % Queue (ft)	95th % Queue (ft)
#1, Barton Road at Rocklin Road	**NBL**			
Existing (2025)		195	358	285
Existing (2025) plus Project			373	293
Notes: For approaches with dual left-turn lanes, the longest queue length is reported.				
Shaded cell indicates queue exceeds available storage by > 25' (one vehicle length)				

Access and Safety Evaluation

Site Access and Circulation

Access to the project will be provided via a proposed full-access driveway on Barton Road. The circulation pattern and striping provided in the project site plan (Exhibit 1) should provide sufficient emergency vehicle access[4] and circulation for reasonably anticipated vehicle types.

Pedestrian and Bicycle Circulation

There are no existing bicycle facilities on the roadways proximate to the site. The Loomis Bikeway Master Plan[5] proposes Class II bicycle facilities along Rocklin Road and Class III bicycle facilities along Barton Road. The project proposes the following bicycle facility improvements:

- The project proposes to widen the southerly half-section of Rocklin Road and the westerly half-section of Barton Road along the project frontage. The proposed widening will accommodate space to stripe a future Class II bicycle facility as neighboring properties develop and make similar improvements along each respective roadway.

[4] *Revised Uniform Fire Code Chapter 11.04.100*, Town of Loomis, May 9, 2017

[5] *Town of Loomis Bicycle Transportation Plan 2009*, Omni-Means, 2009.

There are currently no sidewalks fronting or in proximity to the project site. There are currently no crosswalks at the project intersections. The Placer Countywide Active Transportation Plan is currently being developed. The project proposes the following pedestrian facility improvements:

- The project proposes to construct a 5-foot sidewalk along the southerly half-section of Rocklin Road along the project frontage.
- The project proposes to construct a 5-foot detached, decomposed granite trail along the project frontage with Barton Road.

Transit service is provided by Placer County Transit. The nearest transit stop is located at Rocklin Road and El Don Drive about 1.4 miles away from the Project driveway. The transit stop is served by Roseville Transit Route E fixed route bus service which serves Sierra College Campus, the Roseville Galleria, and the Sierra Gardens Transfer Point with service at two-hour headways Monday through Friday. Rocklin-Loomis Dial-a-Ride demand response transit service serves the project area. The project is not anticipated to interfere with the existing transit facilities or services.

Sight Distance Evaluation

Sight distance was evaluated for the unsignalized site access driveway based on existing horizontal and vertical geometric conditions as observed during a field visit on Wednesday, May 14, 2025. This evaluation was performed in accordance with the published Town code[6]. The Town code provides guidance on Corner Sight Distance consistent with the Caltrans Highway Design Manual (HDM)[7]. Based on Table 405.1A, the Corner Sight Distance time gap for a passenger car at an unsignalized public road intersection is 6.5 seconds for a right-turn or crossing maneuver from a stop and 7.5 seconds for a left-turn from a stop. Speed data was collected along the Barton Road segment in the vicinity of the proposed project access driveway on Tuesday, April 29, 2025. The 85th-percentile speed for the segment was calculated to be 44 miles per hour (mph). As the posted speed limit proximate to the project site is 40 mph, 45 mph was used for the evaluation design speed value to provide a conservative assessment.

Table 7 and Table 8 show the Corner Sight Distance (CSD) required along Barton Road for vehicles entering from the unsignalized side-street stop controlled (SSSC) project driveway. The CSD required for 45 mph was interpolated based on the CSD distances provided in the Town code for 40 mph and 50 mph. Time gap measurements were recorded from the approximate driveway location (Exhibit 1) as measured from Intersection #2 (Barton Road at Wells Avenue). The time gap measurements were recorded at a setback of 12-feet from the existing edge of traveled way due to an existing fence.

The Town code specifies that "for left turns out, the above [CSD] values are measured from the egress motorist to the vehicle approaching from the right traveling in the inside (fast) lane." Based on the Town code and the information provided in Table 7, the observed CSD time gap for the eastbound left-turn movements from the project driveway onto Barton Road does satisfy the desired corner sight distance.

The Town code specifies that "for right turns out, the above [CSD] values are measured from the egressing motorist to the vehicle approaching from the left traveling in the outside (curb) lane." Based on the Town code and the information provided in Table 8, the observed CSD time gap for the eastbound right-turn movements from the project driveway onto Barton Road does satisfy the desired corner sight distance.

[6] Chapter 14.36.060 Subdivision Design Standards, *Code of Ordinances*, Town of Loomis, accessed May 13, 2025.
[7] Chapter 400, Topic 405.1 Intersection Design Standards – Sigh Distance, *Highway Design Manual*, Caltrans, May 20, 2022.

Table 7 – Left-Turn Sight Distance

Approach	Condition	CSD (Desired)		SSD (Minimum)
		Avg. Time Gap (sec)	Distance (ft)	Distance (ft)
		Looking Right		Looking Right
Eastbound	Observed	8.7	576	576
	Required[2]	7.5	495	360

Notes: CSD = Corner Sight Distance, SSD = Stopping Sight Distance, Acceptable, Deficient

[1] Passenger Vehicles, prevailing speed of 44 mph per speed survey data, April 29, 2025.

[2] Per Caltrans' Highway Design Manual, Table 405.1A (CSD) and Table 201.1 (SSD) assuming 45 MPH design speed.

Table 8 – Right-Turn Sight Distance

Approach	Condition	CSD (Desired)		SSD (Minimum)
		Avg. Time Gap (sec)	Distance (ft)	Distance (ft)
		Looking Left		Looking Left
Eastbound	Observed	7.2	473	473
	Required[2]	6.5	495	360

Notes: CSD = Corner Sight Distance, SSD = Stopping Sight Distance, Acceptable, Deficient

[1] Passenger Vehicles, prevailing speed of 44 mph per speed survey data, April 29, 2025.

[2] Per Caltrans' Highway Design Manual, Table 405.1A (CSD) and Table 201.1 (SSD) assuming 45 MPH design speed.

Due to the existing vertical geometry of Barton Road in the vicinity of the project, it is recommended that the project install a W2-7R sign to the north of the proposed driveway, consistent with guidance provided in the California Manual on Uniform Traffic Control Devices (CA MUTCD). This recommended improvement is reflected in **Exhibit 7**. It is also recommended that the project grade and maintain the existing terrain along the Barton Road frontage as necessary to maintain clear sight distance triangles from the proposed project driveway.

Safety Evaluation

The Town's current Local Road Safety Plan (LRSP)[8] was reviewed to assess existing conditions at the study facilities. The LRSP documents a five-year crash history throughout the Town between 2017 and 2021 using the Statewide Integrated Traffic Records System (SWITRS) database. The LRSP documents Intersection #1 (Barton Road at Rocklin Road) as one of the Town's five intersections with the highest number of collisions (a "high incidence location") over the five-year study period. The LRSP identifies signalization of Intersection #1 as a capital improvement project that could reduce rear end and hit object collisions. Intersection #2 (Barton Road at Wells Avenue) is also mentioned in the LRSP as a "location of note". The most common collision types from the LRSP data at Intersection #1 and Intersection #2 were Rear End, Sideswipe, and Broadside. Data from the LRSP is included in **Attachment D**.

As the project is expected to add a relatively low number of daily trips to the network, it is not expected to significantly alter the existing safety conditions at Intersection #1 and Intersection #2.

[8] *Local Road Safety Plan – Loomis, CA,* Wood Rodgers, August 2022.

Intersection Spacing

The proposed intersection spacing between the project driveway and Intersection #2 (Barton Road at Wells Avenue) was compared against the current Town code[6]. The Town code states the following:

> *"Minor streets and collector streets intersecting arterial streets from opposite sides shall have their centerlines offset between the intersections a minimum of four hundred feet for left hand offset and six hundred feet for right hand offset."*

As reflected in the site plan (**Exhibit 1**), the centerline to centerline spacing between Intersection #2 and the proposed project driveway is approximately 265-feet. As the proposed intersection spacing does not satisfy the conditions presented in the Town code, it is suggested that Barton Road be widened between Wells Avenue and the project driveway to accommodate left-turn pockets. The addition of left-turn pockets will improve flow along Barton Road compared to the existing condition by separating turning vehicles from those traveling through each intersection, thereby alleviating the effects of closer intersection spacing. This proposed improvement is illustrated in **Exhibit 7**.

CEQA/SB 743 Assessment

At the request of the Town[9], the Placer County Vehicle Miles Traveled (VMT) Estimation Tool was used to determine whether the proposed project is located within an area that would generate per capita VMT at a rate that would satisfy the Town's General Plan VMT reduction goal. Adding the project to the appropriate parcels in the Placer County VMT Estimation Tool reveals that the project does not result in a per capita VMT reduction below the applicable threshold. The output from the Placer County VMT Screening Tool is provided in **Attachment E**.

The Town's approved General Plan EIR[2] identifies a "significant and unavoidable" VMT impact for the land uses as documented. The project proposes to construct new residential housing in a manner consistent with the allowable land uses for the parcel identified in the Town's current General Plan.

[9] Email correspondence with Christy Consolini, Town of Loomis, April 8, 2025.

Conclusions

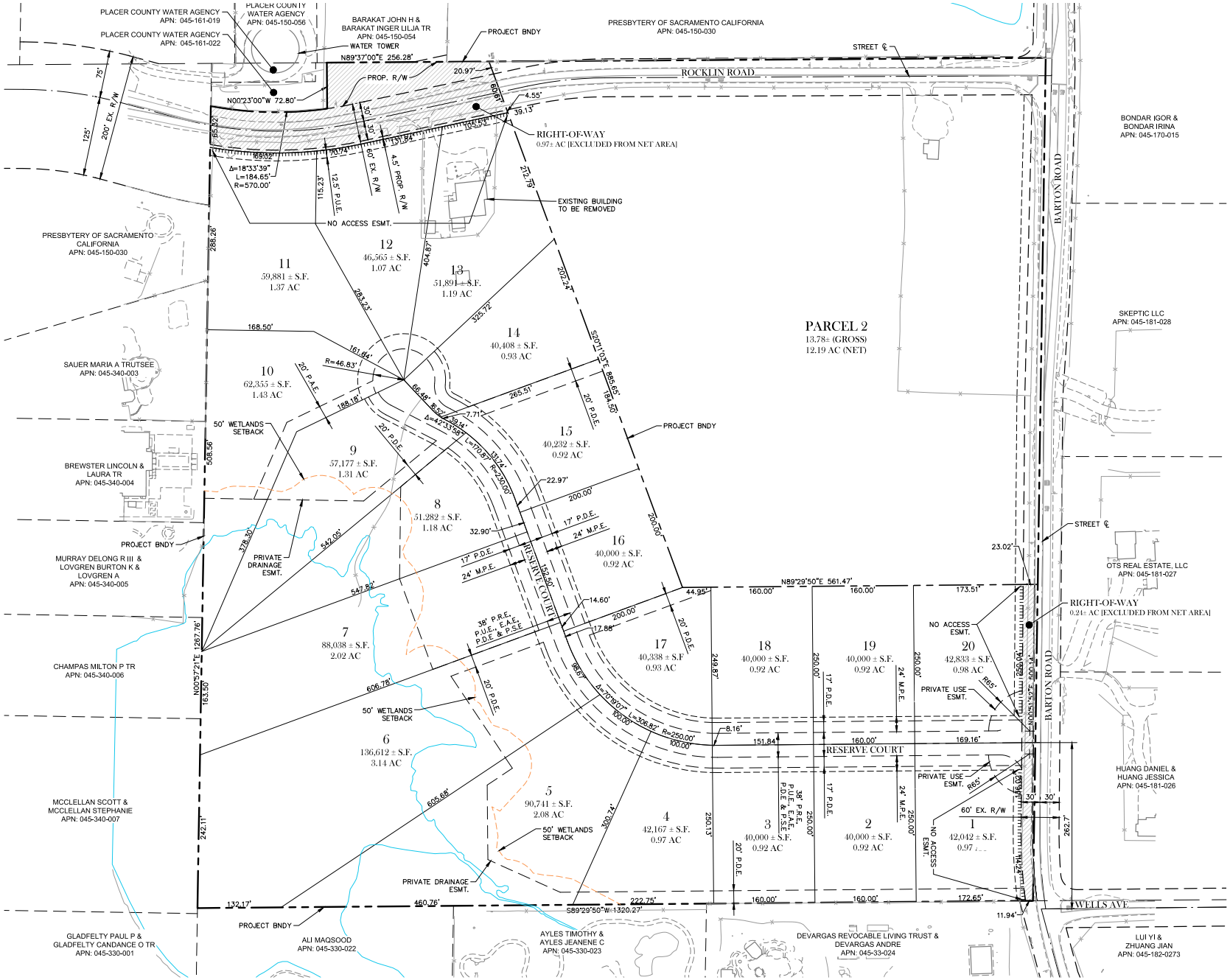
The following findings are presented based on the analyses provided herein:

- The project is anticipated to generate 190 Daily trips, 14 AM peak-hour trips, and 19 PM peak-hour trips.
- The study intersections operate between LOS B and E in the Existing (2025) plus Project scenario. Intersection #1 (Barton Road at Rocklin Road) operates below the Town's target Level of Service C. The project contributes a nominal amount of additional delay to Intersection #1 during both the AM and PM peak-hours.
- The study roadway segments operate at LOS C under both the Existing (2025) and Existing (2025) plus Project scenarios.
- The northbound left-turn 95th-percentile queues at Intersection #1 (Barton Road at Rocklin Road) are shown to exceed the available storage during the AM and PM peak-hours under Existing (2025) and Existing (2025) plus Project conditions. The project is shown to contribute a nominal amount of additional queueing to the movement.
- The site provides sufficient access and circulation for all reasonably anticipated vehicle types.
- The project driveway location provides sufficient Corner Sight Distance along Barton Road. It is recommended that the project modifies the existing grading along the Barton Road frontage to maintain clear sight distance triangles from the proposed project driveway. It is recommended that the project install a W2-7R sign to the north of the proposed driveway in a manner consistent with current CA MUTCD standards.
- The Town's current LRSP provides a five-year crash history from 2017 to 2021. The LRSP identifies Intersection #1 (Barton Road at Rocklin Road) as a "high incidence location" and Intersection #2 (Barton Road at Wells Avenue) as a "location of note". The project is not expected to significantly alter the existing safety conditions at the study facilities.
- The intersection spacing between the project driveway and Intersection #2 (Barton Road at Wells Avenue) is closer than the intersection spacing identified in the Town code. It is recommended that the project widen Barton Road between the project driveway and Wells Avenue to provide left-turn pockets to better accommodate conflicting vehicles and traffic flow. This suggested improvement is shown in **Exhibit 7**.
- The Placer County Vehicle Miles Traveled (VMT) Estimation Tool shows that the project does not result in a per capita VMT reduction below the applicable threshold. The Town's General Plan EIR document reports a "significant and unavoidable" VMT impact for the documented land uses. The project proposes to construct new residential housing in a manner consistent with the allowable land uses for the parcel identified in the Town's current General Plan.

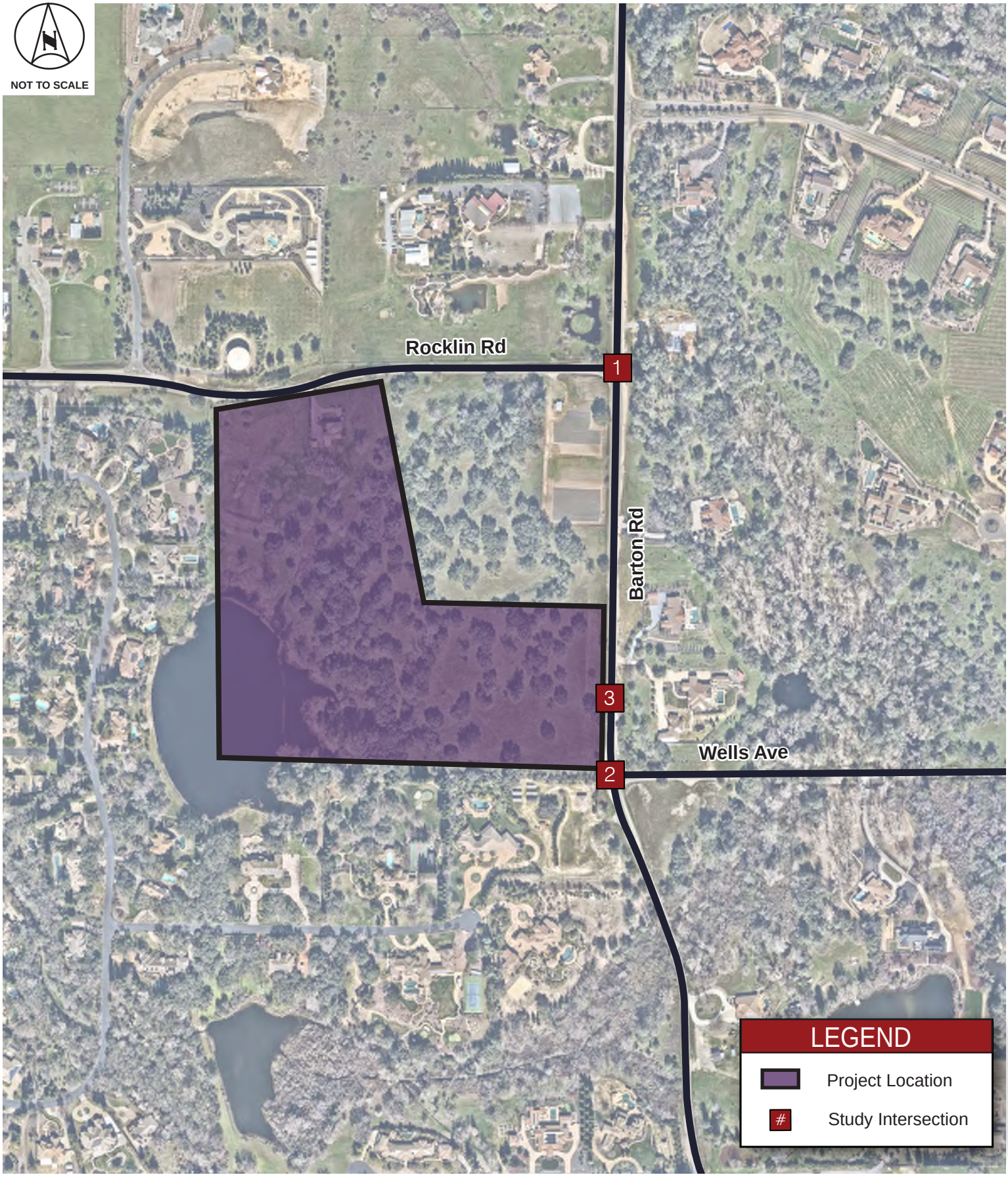
Attachments

Exhibit 1 – Project Site Plan
Exhibit 2 – Project Site Vicinity Map
Exhibit 3 – Existing Study Facilities, Traffic Control, and Lane Configuration
Exhibit 4 – Project Trip Distribution and Assignment
Exhibit 5 – Existing (2025) Peak-Hour Traffic Volumes
Exhibit 6 – Existing (2025) plus Project Peak-Hour Traffic Volumes
Exhibit 7 – Recommended Off-site Improvements

Attachment A – Traffic Count Data Sheets
Attachment B – Analysis Worksheets for Existing (2025) Conditions
Attachment C – Analysis Worksheets for Existing (2025) plus Project Conditions
Attachment D – Loomis LRSP SWITRS Collision Data
Attachment E – Placer County VMT Evaluation Tool Report

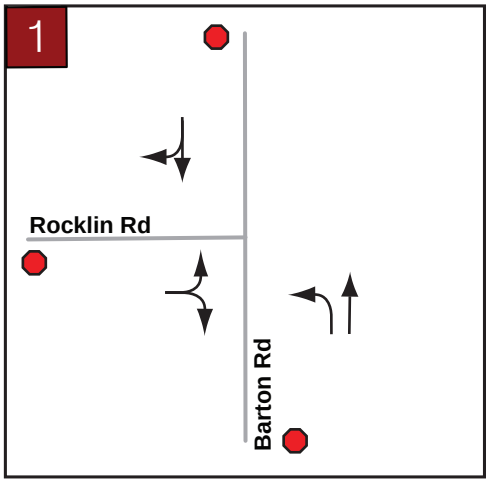


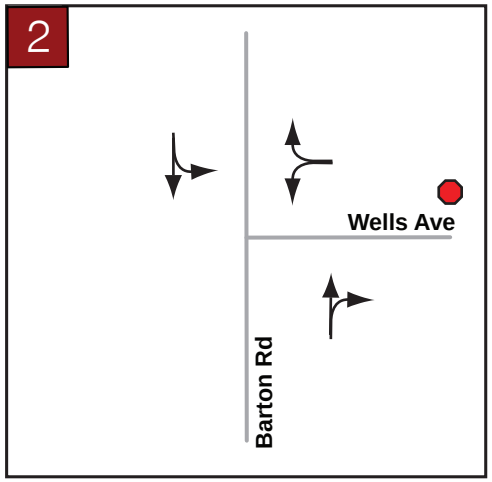
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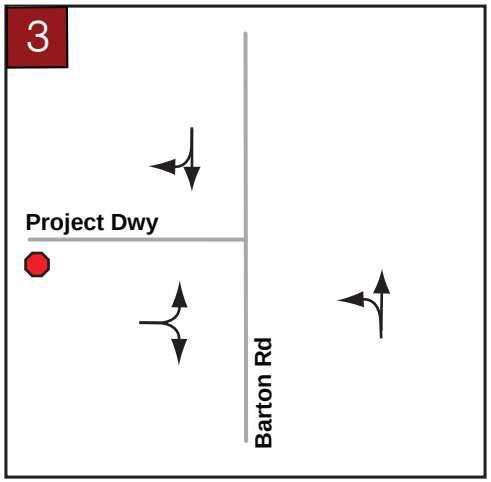


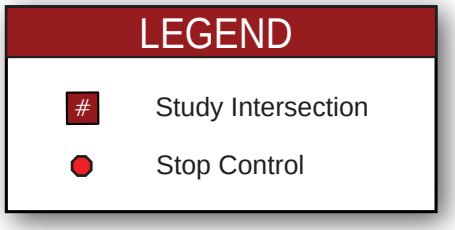
Kimley»Horn

Exhibit 2
Vicinity Map









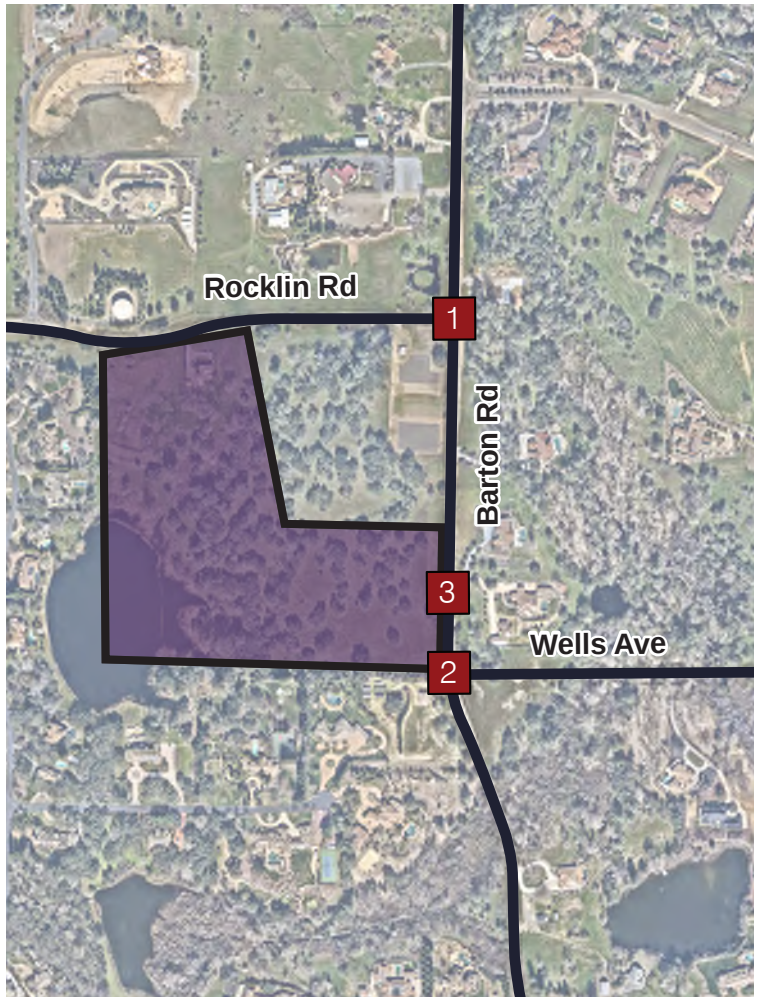
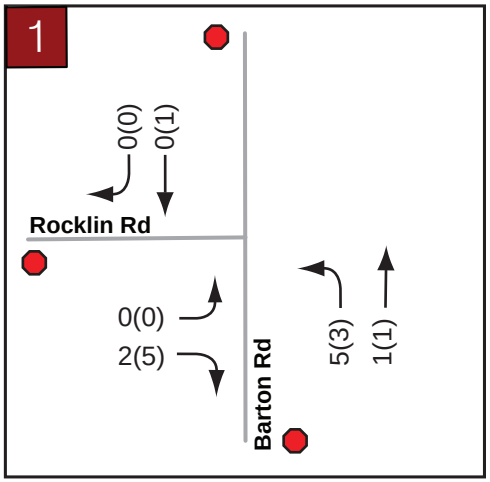
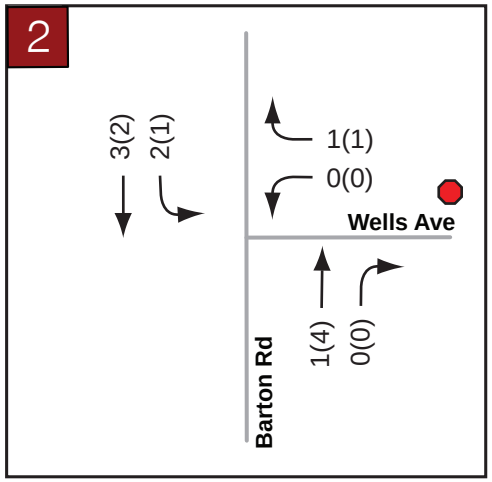
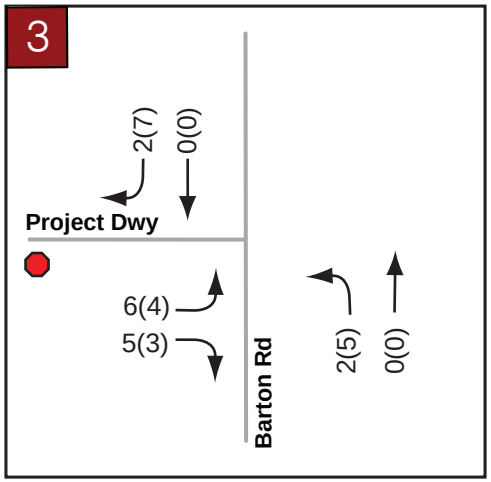
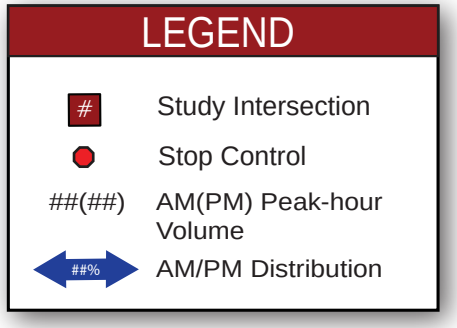


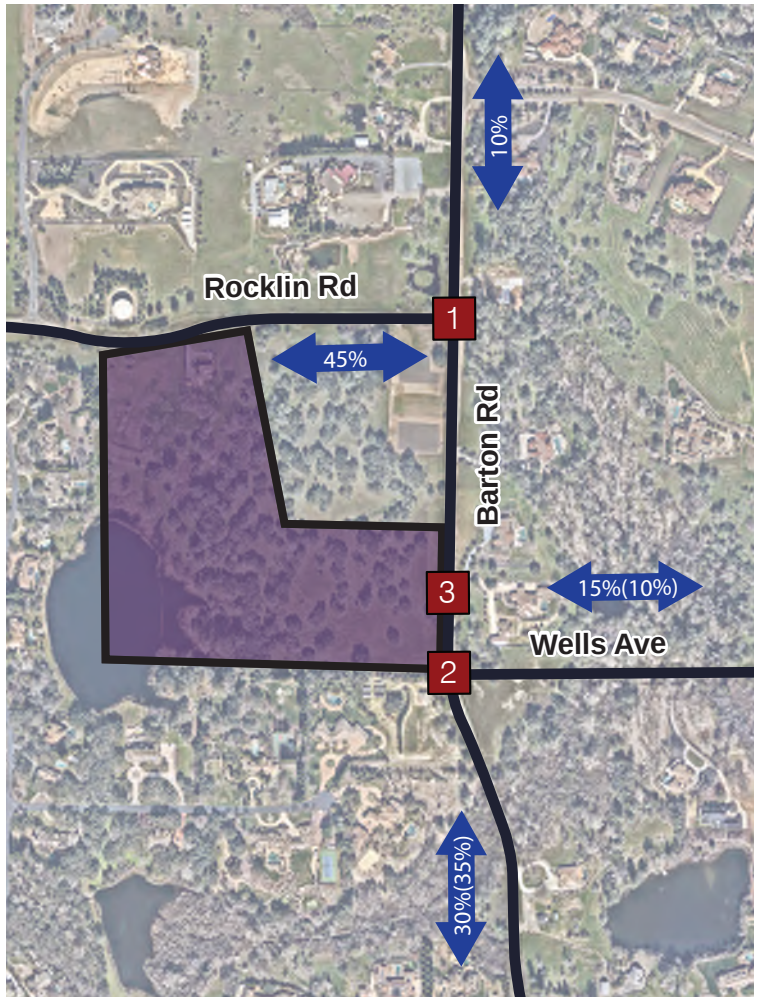
Exhibit 3
Study Facilities, Traffic Control and Lane Configurations

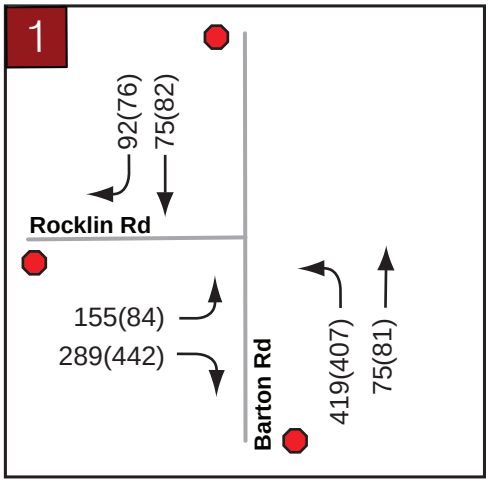

1
0(0)
0(1)
Rocklin Rd
0(0)
2(5)
Barton Rd
5(3)
1(1)

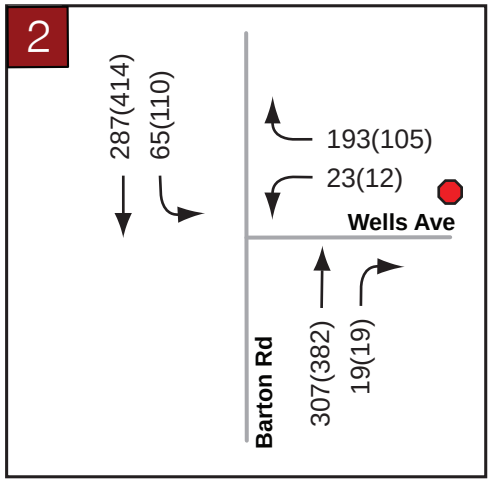

2
3(2)
2(1)
1(1)
0(0)
Wells Ave
Barton Rd
1(4)
0(0)


3
2(7)
0(0)
Project Dwy
6(4)
5(3)
Barton Rd
2(5)
0(0)

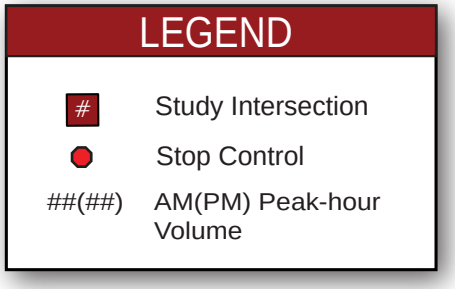

LEGEND
#
Study Intersection
Stop Control
##(##)
AM(PM) Peak-hour Volume
##%
AM/PM Distribution

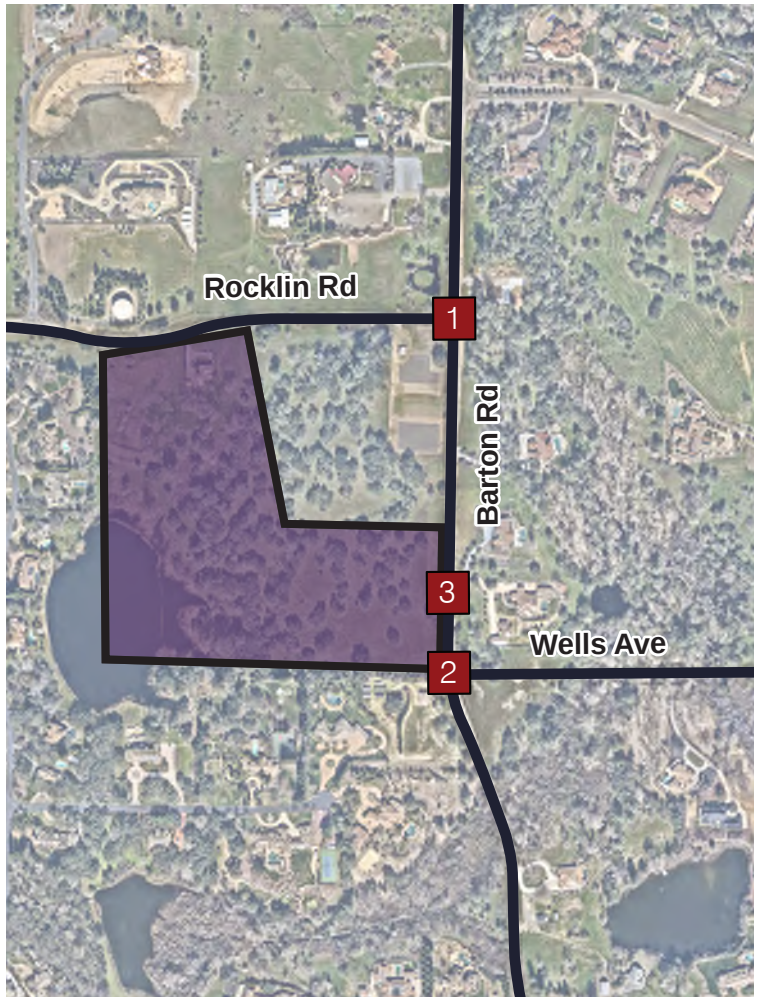

10%
Rocklin Rd
1
45%
Barton Rd
3
15%(10%)
Wells Ave
2
30%(35%)

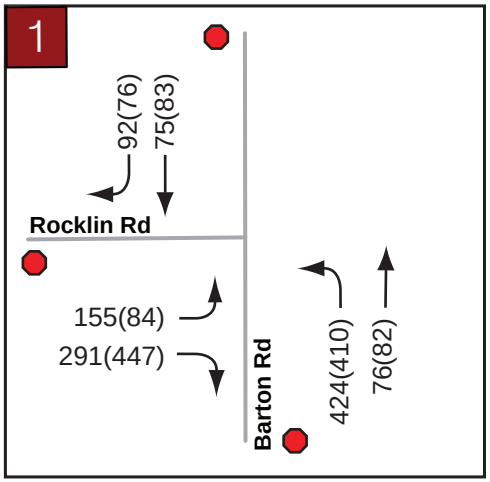

1
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75(82)
Rocklin Rd
155(84)
289(442)
Barton Rd
419(407)
75(81)

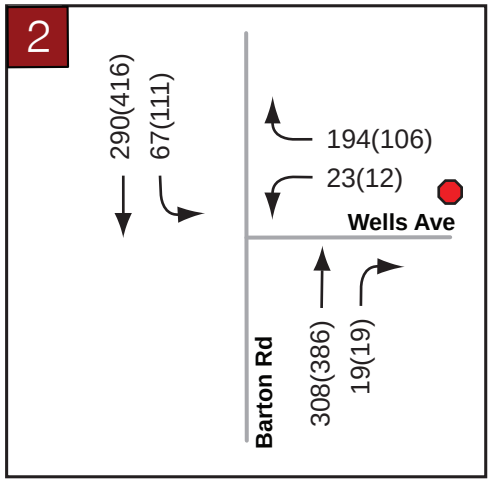

2
287(414)
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193(105)
23(12)
Wells Ave
Barton Rd
307(382)
19(19)

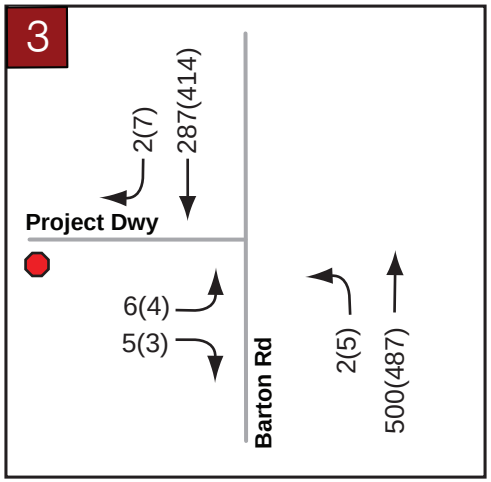

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Plus Project Scenario Only

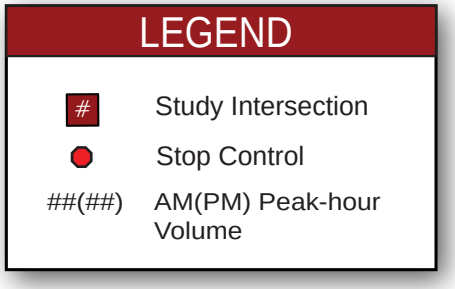

LEGEND
#
Study Intersection
Stop Control
##(##)
AM(PM) Peak-hour Volume

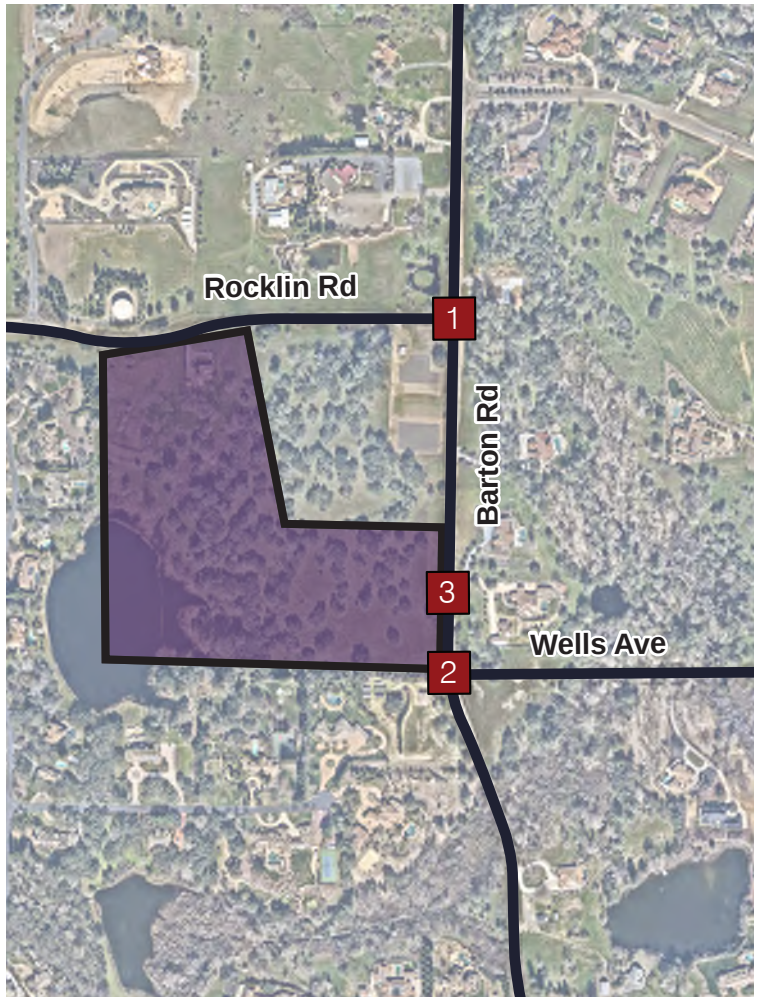

Rocklin Rd
1
Barton Rd
3
Wells Ave
2


1
92(76)
75(83)
Rocklin Rd
155(84)
291(447)
Barton Rd
424(410)
76(82)


2
290(416)
67(111)
194(106)
23(12)
Wells Ave
Barton Rd
308(386)
19(19)


3
2(7)
287(414)
Project Dwy
6(4)
5(3)
Barton Rd
2(5)
500(487)


LEGEND
#
Study Intersection
Stop Control
##(##)
AM(PM) Peak-hour Volume


Rocklin Rd
1
Barton Rd
3
Wells Ave
2



CONCEPTUAL USE ONLY, NOT FOR CONSTRUCTION

Kimley»Horn

Exhibit 7
Recommended Off-site Improvements

Attachment A

Traffic Count Data Sheets

National Data & Surveying Services

Intersection Turning Movement Count

Location: Barton Rd & Rocklin Rd
City: Loomis
Control: 3-Way Stop(NB/SB/EB)

Project ID: 25-070096-001
Date: 4/29/2025

Data - Total

NS/EW Streets:	Barton Rd				Barton Rd				Rocklin Rd				Rocklin Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	48	5	0	0	0	7	8	0	14	0	43	0	0	0	0	0	125
7:15 AM	55	11	0	0	0	27	11	0	13	0	59	0	0	0	0	0	176
7:30 AM	74	18	0	0	0	18	12	0	39	0	71	0	0	0	0	0	232
7:45 AM	141	15	0	0	0	19	18	0	42	0	74	0	0	0	0	0	309
8:00 AM	107	20	0	0	0	19	37	0	31	0	78	0	0	0	0	0	292
8:15 AM	97	22	0	0	0	19	25	0	43	0	66	0	0	0	0	0	272
8:30 AM	85	18	0	0	0	20	27	0	12	0	56	0	0	0	0	0	218
8:45 AM	97	14	0	0	0	19	21	0	17	0	67	0	0	0	0	0	235
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	704	123	0	0	0	148	159	0	211	0	514	0	0	0	0	0	1859
APPROACH %'s :	85.13%	14.87%	0.00%	0.00%	0.00%	48.21%	51.79%	0.00%	29.10%	0.00%	70.90%	0.00%					
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	419	75	0	0	0	75	92	0	155	0	289	0	0	0	0	0	1105
PEAK HR FACTOR :	0.743	0.852	0.000	0.000	0.000	0.987	0.622	0.000	0.901	0.000	0.926	0.000	0.000	0.000	0.000	0.000	0.894
	0.792				0.746				0.957								

NS/EW Streets:	Barton Rd				Barton Rd				Rocklin Rd				Rocklin Rd				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	105	44	0	0	0	21	11	0	19	0	104	0	0	0	0	0	304
4:15 PM	112	25	0	0	0	20	16	0	14	0	101	0	0	0	0	0	288
4:30 PM	94	11	0	0	0	21	9	0	17	0	113	0	0	0	0	0	265
4:45 PM	87	21	0	0	0	27	20	0	22	0	92	0	0	0	0	0	269
5:00 PM	90	20	0	0	0	21	25	0	16	0	126	0	0	0	0	0	298
5:15 PM	125	17	0	0	0	14	17	0	28	0	108	0	0	0	0	0	309
5:30 PM	105	23	0	0	0	20	14	0	18	0	116	0	0	0	0	0	296
5:45 PM	99	9	0	0	0	13	12	0	17	0	81	1	0	0	0	0	232
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	817	170	0	0	0	157	124	0	151	0	841	1	0	0	0	0	2261
APPROACH %'s :	82.78%	17.22%	0.00%	0.00%	0.00%	55.87%	44.13%	0.00%	15.21%	0.00%	84.69%	0.10%					
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	407	81	0	0	0	82	76	0	84	0	442	0	0	0	0	0	1172
PEAK HR FACTOR :	0.814	0.880	0.000	0.000	0.000	0.759	0.760	0.000	0.750	0.000	0.877	0.000	0.000	0.000	0.000	0.000	0.948
	0.859				0.840				0.926								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Barton Rd & Wells Ave
City: Loomis
Control: 1-Way Stop(WB)

Project ID: 25-070096-002
Date: 4/29/2025

Data - Total

NS/EW Streets:	Barton Rd				Barton Rd				Wells Ave				Wells Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	36	1	0	13	39	0	0	0	0	0	0	0	0	16	0	105
7:15 AM	0	52	1	0	18	66	0	0	0	0	0	0	2	0	18	0	157
7:30 AM	0	63	7	0	19	66	0	0	0	0	0	0	3	0	28	0	186
7:45 AM	0	96	8	0	21	68	0	0	0	0	0	0	6	0	56	0	255
8:00 AM	0	71	4	0	23	77	0	0	0	0	0	0	6	2	56	0	239
8:15 AM	0	78	7	0	12	72	0	0	0	0	0	0	4	0	42	0	215
8:30 AM	0	62	0	0	9	70	0	0	0	0	0	0	7	0	39	0	187
8:45 AM	0	82	2	0	19	70	0	0	0	0	0	0	4	0	28	0	205
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	540	30	0	134	528	0	0	0	0	0	0	32	2	283	0	1549
APPROACH %'s :	0.00%	94.74%	5.26%	0.00%	20.24%	79.76%	0.00%	0.00%					10.09%	0.63%	89.27%	0.00%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	0	307	19	0	65	287	0	0	0	0	0	0	23	2	193	0	896
PEAK HR FACTOR :	0.000	0.799	0.594	0.000	0.707	0.932	0.000	0.000	0.000	0.000	0.000	0.000	0.821	0.250	0.862	0.000	0.878
	0.784				0.880								0.852				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	120	4	0	26	100	0	0	0	0	0	0	2	0	27	0	279
4:15 PM	0	111	2	0	21	98	0	0	0	0	0	0	3	0	25	0	260
4:30 PM	0	79	5	0	32	101	0	0	0	0	0	0	2	0	29	0	248
4:45 PM	0	88	5	0	22	102	0	0	0	0	0	0	7	0	20	0	244
5:00 PM	0	81	5	0	30	113	0	0	0	0	0	0	1	0	28	0	258
5:15 PM	0	116	4	0	33	91	0	0	0	0	0	0	3	0	30	0	277
5:30 PM	0	97	5	0	25	108	0	0	0	0	0	0	1	0	27	0	263
5:45 PM	0	78	2	0	20	72	0	0	0	0	0	0	2	0	28	0	202
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	770	32	0	209	785	0	0	0	0	0	0	21	0	214	0	2031
APPROACH %'s :	0.00%	96.01%	3.99%	0.00%	21.03%	78.97%	0.00%	0.00%					8.94%	0.00%	91.06%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	0	382	19	0	110	414	0	0	0	0	0	0	12	0	105	0	1042
PEAK HR FACTOR :	0.000	0.823	0.950	0.000	0.833	0.916	0.000	0.000	0.000	0.000	0.000	0.000	0.429	0.000	0.875	0.000	0.940
	0.835				0.916								0.886				

Prepared by National Data & Surveying Services

VOLUME

Barton Rd Bet Rocklin Rd & Wells Ave

Day: Tuesday
Date: 4/29/2025

City: Loomis
Project #: CA25_070097_001

DAILY TOTALS	NB	SB	EB	WB	Total
	5,332	5,298	0	0	10,630

DAILY TOTALS

15-Minutes Interval

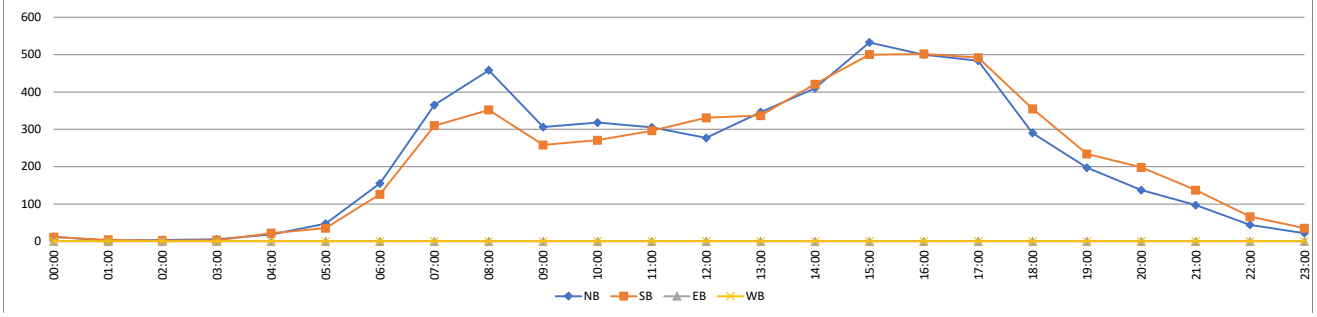
TIME	NB	SB	EB	WB	TOTAL	TIME	NB	SB	EB	WB	TOTAL
0:00	8	1			9	12:00	73	81			154
0:15	3	5			8	12:15	89	75			164
0:30	1	4			5	12:30	62	80			142
0:45	0	1			1	12:45	53	95			148
1:00	0	1			1	13:00	85	87			172
1:15	1	1			2	13:15	83	85			168
1:30	0	1			1	13:30	95	84			179
1:45	1	1			2	13:45	83	81			164
2:00	0	1			1	14:00	83	122			205
2:15	1	0			1	14:15	84	95			179
2:30	2	1			3	14:30	131	97			228
2:45	1	0			1	14:45	112	107			219
3:00	2	0			2	15:00	157	126			283
3:15	0	0			0	15:15	131	126			257
3:30	1	2			3	15:30	127	119			246
3:45	2	1			3	15:45	118	129			247
4:00	3	2			5	16:00	145	126			271
4:15	5	9			14	16:15	138	119			257
4:30	3	5			8	16:30	108	133			241
4:45	7	6			13	16:45	109	124			233
5:00	8	5			13	17:00	109	143			252
5:15	12	8			20	17:15	146	124			270
5:30	15	8			23	17:30	124	133			257
5:45	12	14			26	17:45	105	92			197
6:00	28	19			47	18:00	88	105			193
6:15	33	32			65	18:15	81	91			172
6:30	52	31			83	18:30	61	86			147
6:45	42	44			86	18:45	60	73			133
7:00	52	52			104	19:00	53	61			114
7:15	70	84			154	19:15	54	61			115
7:30	94	85			179	19:30	44	58			102
7:45	149	89			238	19:45	46	54			100
8:00	128	100			228	20:00	36	59			95
8:15	119	84			203	20:15	32	39			71
8:30	102	79			181	20:30	43	49			92
8:45	109	89			198	20:45	26	51			77
9:00	78	59			137	21:00	31	47			78
9:15	80	61			141	21:15	35	39			74
9:30	69	70			139	21:30	18	25			43
9:45	79	68			147	21:45	13	26			39
10:00	68	67			135	22:00	11	20			31
10:15	84	73			157	22:15	11	22			33
10:30	81	73			154	22:30	14	15			29
10:45	85	58			143	22:45	8	9			17
11:00	76	71			147	23:00	10	12			22
11:15	63	73			136	23:15	4	13			17
11:30	79	68			147	23:30	5	5			10
11:45	87	84			171	23:45	3	5			8
TOTALS	1995	1690	0	0	3685	TOTALS	3337	3608	0	0	6945
SPLIT %	54%	46%	0%	0%	35%	SPLIT %	48%	52%	0%	0%	65%

Hourly Intervals

TIME		NB	SB	EB	WB	TOTAL
00:00	01:00	12	11			23
01:00	02:00	2	4			6
02:00	03:00	4	2			6
03:00	04:00	5	3			8
04:00	05:00	18	22			40
05:00	06:00	47	35			82
06:00	07:00	155	126			281
07:00	08:00	365	310			675
08:00	09:00	458	352			810
09:00	10:00	306	258			564
10:00	11:00	318	271			589
11:00	12:00	305	296			601
12:00	13:00	277	331			608
13:00	14:00	346	337			683
14:00	15:00	410	421			831
15:00	16:00	533	500			1033
16:00	17:00	500	502			1002
17:00	18:00	484	492			976
18:00	19:00	290	355			645
19:00	20:00	197	234			431
20:00	21:00	137	198			335
21:00	22:00	97	137			234
22:00	23:00	44	66			110
23:00	00:00	22	35			57

STATISTICS

	NB	SB	EB	WB	TOTAL
Peak Period	00:00	to	12:00		
Volume	1995	1690			3685
Peak Hour	7:45	7:15			7:45
Peak Volume	498	358			850
Peak Hour Factor	0.836	0.895			0.893
Peak Period	12:00	to	00:00		
Volume	3337	3608			6945
Peak Hour	15:00	16:30			15:00
Peak Volume	533	524			1033
Peak Hour Factor	0.849	0.916			0.913
Peak Period	07:00	to	09:00		
Volume	823	662			1485
Peak Hour	7:45	7:15			7:45
Peak Volume	498	358			850
Peak Hour Factor	0.836	0.895			0.893
Peak Period	16:00	to	18:00		
Volume	984	994			1978
Peak Hour	16:00	16:30			16:45
Peak Volume	500	524			1012
Peak Hour Factor	0.862	0.916			0.937



Prepared by National Data & Surveying Services

VOLUME

Rocklin Rd W/O Barton Rd

Day: Tuesday
Date: 4/29/2025

City: Loomis
Project #: CA25_070097_002

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,571	5,409	10,980

DAILY TOTALS

15-Minutes Interval

TIME	NB	SB	EB	WB	TOTAL	TIME	NB	SB	EB	WB	TOTAL
0:00			4	10	14	12:00			75	83	158
0:15			2	2	4	12:15			81	96	177
0:30			4	1	5	12:30			81	72	153
0:45			1	0	1	12:45			104	65	169
1:00			2	0	2	13:00			72	90	162
1:15			1	1	2	13:15			90	78	168
1:30			2	0	2	13:30			87	97	184
1:45			1	1	2	13:45			91	76	167
2:00			2	0	2	14:00			138	66	204
2:15			0	0	0	14:15			115	81	196
2:30			1	2	3	14:30			101	119	220
2:45			0	1	1	14:45			117	110	227
3:00			0	2	2	15:00			123	138	261
3:15			0	0	0	15:15			127	127	254
3:30			2	1	3	15:30			128	119	247
3:45			1	2	3	15:45			122	99	221
4:00			4	5	9	16:00			123	114	237
4:15			8	4	12	16:15			115	131	246
4:30			5	3	8	16:30			130	101	231
4:45			5	8	13	16:45			113	108	221
5:00			5	7	12	17:00			143	116	259
5:15			7	13	20	17:15			135	141	276
5:30			7	13	20	17:30			135	121	256
5:45			13	21	34	17:45			97	111	208
6:00			18	30	48	18:00			103	94	197
6:15			33	28	61	18:15			91	85	176
6:30			36	53	89	18:30			122	71	193
6:45			55	46	101	18:45			102	68	170
7:00			56	57	113	19:00			62	61	123
7:15			73	66	139	19:15			65	51	116
7:30			112	86	198	19:30			65	42	107
7:45			112	157	269	19:45			57	46	103
8:00			115	144	259	20:00			62	41	103
8:15			104	124	228	20:15			39	50	89
8:30			70	111	181	20:30			43	62	105
8:45			83	121	204	20:45			57	40	97
9:00			70	75	145	21:00			50	44	94
9:15			57	74	131	21:15			46	36	82
9:30			61	71	132	21:30			24	26	50
9:45			82	92	174	21:45			27	13	40
10:00			67	64	131	22:00			18	12	30
10:15			85	72	157	22:15			27	10	37
10:30			66	81	147	22:30			16	19	35
10:45			68	87	155	22:45			12	10	22
11:00			72	82	154	23:00			13	8	21
11:15			79	63	142	23:15			11	3	14
11:30			69	78	147	23:30			5	4	9
11:45			84	93	177	23:45			7	2	9
TOTALS	0	0	1804	2052	3856	TOTALS	0	0	3767	3357	7124
SPLIT %	0%	0%	47%	53%	35%	SPLIT %	0%	0%	53%	47%	65%

Hourly Intervals

TIME		NB	SB	EB	WB	TOTAL
00:00	01:00			11	13	24
01:00	02:00			6	2	8
02:00	03:00			3	3	6
03:00	04:00			3	5	8
04:00	05:00			22	20	42
05:00	06:00			32	54	86
06:00	07:00			142	157	299
07:00	08:00			353	366	719
08:00	09:00			372	500	872
09:00	10:00			270	312	582
10:00	11:00			286	304	590
11:00	12:00			304	316	620
12:00	13:00			341	316	657
13:00	14:00			340	341	681
14:00	15:00			471	376	847
15:00	16:00			500	483	983
16:00	17:00			481	454	935
17:00	18:00			510	489	999
18:00	19:00			418	318	736
19:00	20:00			249	200	449
20:00	21:00			201	193	394
21:00	22:00			147	119	266
22:00	23:00			73	51	124
23:00	00:00			36	17	53

STATISTICS

	NB	SB	EB	WB	TOTAL
Peak Period	00:00	to	12:00		
Volume			1804	2052	3856
Peak Hour			7:30	7:45	7:30
Peak Volume			443	536	954
Peak Hour Factor			0.963	0.854	0.887
Peak Period	12:00	to	00:00		
Volume			3767	3357	7124
Peak Hour			16:45	14:30	16:45
Peak Volume			526	494	1012
Peak Hour Factor			0.920	0.895	0.917
Peak Period	07:00	to	09:00		
Volume			725	866	1591
Peak Hour			7:30	7:45	7:30
Peak Volume			443	536	954
Peak Hour Factor			0.963	0.854	0.887
Peak Period	16:00	to	18:00		
Volume			991	943	1934
Peak Hour			16:45	17:00	16:45
Peak Volume			526	489	1012
Peak Hour Factor			0.920	0.867	0.917



Attachment B

Analysis Worksheets for Existing (2025) Conditions

Intersection	
Intersection Delay, s/veh	35.7
Intersection LOS	E

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	155	289	419	75	75	92
Future Vol, veh/h	155	289	419	75	75	92
Peak Hour Factor	0.96	0.96	0.79	0.79	0.75	0.75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	161	301	530	95	100	123
Number of Lanes	1	1	1	1	1	0

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	1	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	1	2	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	2
HCM Control Delay, s/veh	15.3	58.7	13.7
HCM LOS	C	F	B

Lane	NBLn1	NBLn2	EBLn1	EBLn2	SBLn1
Vol Left, %	100%	0%	100%	0%	0%
Vol Thru, %	0%	100%	0%	0%	45%
Vol Right, %	0%	0%	0%	100%	55%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	419	75	155	289	167
LT Vol	419	0	155	0	0
Through Vol	0	75	0	0	75
RT Vol	0	0	0	289	92
Lane Flow Rate	530	95	161	301	223
Geometry Grp	5	5	5	5	3b
Degree of Util (X)	1.008	0.167	0.338	0.527	0.397
Departure Headway (Hd)	6.844	6.336	7.527	6.304	6.421
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	530	564	476	569	557
Service Time	4.607	4.098	5.304	4.081	4.498
HCM Lane V/C Ratio	1	0.168	0.338	0.529	0.4
HCM Control Delay, s/veh	67.4	10.4	14.1	16	13.7
HCM Lane LOS	F	B	B	C	B
HCM 95th-tile Q	14.3	0.6	1.5	3.1	1.9

Intersection	
Int Delay, s/veh	4.5

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	25	193	307	19	65	287
Future Vol, veh/h	25	193	307	19	65	287
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	85	85	78	78	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	29	227	394	24	74	326

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	880	406	0	0	418	0
Stage 1	406	-	-	-	-	-
Stage 2	474	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	318	645	-	-	1141	-
Stage 1	673	-	-	-	-	-
Stage 2	626	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	293	645	-	-	1141	-
Mov Cap-2 Maneuver	293	-	-	-	-	-
Stage 1	673	-	-	-	-	-
Stage 2	577	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s/v	16.49	0	1.55
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	567	332	-
HCM Lane V/C Ratio	-	-	0.452	0.065	-
HCM Control Delay (s/veh)	-	-	16.5	8.4	0
HCM Lane LOS	-	-	C	A	A
HCM 95th %tile Q(veh)	-	-	2.3	0.2	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	487	414	0
Future Vol, veh/h	0	0	0	487	414	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	78	78	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	0	0	624	470	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1095	470	470	0	-	0
Stage 1	470	-	-	-	-	-
Stage 2	624	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	237	593	1091	-	-	-
Stage 1	629	-	-	-	-	-
Stage 2	534	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	237	593	1091	-	-	-
Mov Cap-2 Maneuver	237	-	-	-	-	-
Stage 1	629	-	-	-	-	-
Stage 2	534	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1091	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s/veh)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

Intersection	
Intersection Delay, s/veh	33.2
Intersection LOS	D

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	84	442	407	81	82	76
Future Vol, veh/h	84	442	407	81	82	76
Peak Hour Factor	0.93	0.93	0.86	0.86	0.84	0.84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	90	475	473	94	98	90
Number of Lanes	1	1	1	1	1	0

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	1	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	1	2	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	2
HCM Control Delay, s/veh	27.3	45.6	13.6
HCM LOS	D	E	B

Lane	NBLn1	NBLn2	EBLn1	EBLn2	SBLn1
Vol Left, %	100%	0%	100%	0%	0%
Vol Thru, %	0%	100%	0%	0%	52%
Vol Right, %	0%	0%	0%	100%	48%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	407	81	84	442	158
LT Vol	407	0	84	0	0
Through Vol	0	81	0	0	82
RT Vol	0	0	0	442	76
Lane Flow Rate	473	94	90	475	188
Geometry Grp	5	5	5	5	3b
Degree of Util (X)	0.936	0.173	0.185	0.81	0.358
Departure Headway (Hd)	7.12	6.611	7.354	6.134	6.854
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	506	539	484	585	529
Service Time	4.907	4.397	5.151	3.929	4.854
HCM Lane V/C Ratio	0.935	0.174	0.186	0.812	0.355
HCM Control Delay, s/veh	52.5	10.8	11.8	30.2	13.6
HCM Lane LOS	F	B	B	D	B
HCM 95th-tile Q	11.4	0.6	0.7	8.1	1.6

Intersection	
Int Delay, s/veh	2.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	12	105	382	19	110	414
Future Vol, veh/h	12	105	382	19	110	414
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	89	89	84	84	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	13	118	455	23	120	450

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1155	466	0	0	477	0
Stage 1	466	-	-	-	-	-
Stage 2	689	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	218	597	-	-	1085	-
Stage 1	632	-	-	-	-	-
Stage 2	498	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	186	597	-	-	1085	-
Mov Cap-2 Maneuver	186	-	-	-	-	-
Stage 1	632	-	-	-	-	-
Stage 2	425	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s/v	15.13	0	1.83
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	486	378	-
HCM Lane V/C Ratio	-	-	0.27	0.11	-
HCM Control Delay (s/veh)	-	-	15.1	8.7	0
HCM Lane LOS	-	-	C	A	A
HCM 95th %tile Q(veh)	-	-	1.1	0.4	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	0	500	287	0
Future Vol, veh/h	0	0	0	500	287	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	84	84	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	0	0	595	312	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	907	312	312	0	-	0
Stage 1	312	-	-	-	-	-
Stage 2	595	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	306	728	1248	-	-	-
Stage 1	742	-	-	-	-	-
Stage 2	551	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	306	728	1248	-	-	-
Mov Cap-2 Maneuver	306	-	-	-	-	-
Stage 1	742	-	-	-	-	-
Stage 2	551	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1248	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s/veh)	0	-	0	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

Attachment C

Analysis Worksheets for Existing (2025) plus Project Conditions

Intersection	
Intersection Delay, s/veh	37.5
Intersection LOS	E

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	155	291	424	76	75	92
Future Vol, veh/h	155	291	424	76	75	92
Peak Hour Factor	0.96	0.96	0.79	0.79	0.75	0.75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	161	303	537	96	100	123
Number of Lanes	1	1	1	1	1	0

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	1	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	1	2	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	2
HCM Control Delay, s/veh	15.5	62	13.8
HCM LOS	C	F	B

Lane	NBLn1	NBLn2	EBLn1	EBLn2	SBLn1
Vol Left, %	100%	0%	100%	0%	0%
Vol Thru, %	0%	100%	0%	0%	45%
Vol Right, %	0%	0%	0%	100%	55%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	424	76	155	291	167
LT Vol	424	0	155	0	0
Through Vol	0	76	0	0	75
RT Vol	0	0	0	291	92
Lane Flow Rate	537	96	161	303	223
Geometry Grp	5	5	5	5	3b
Degree of Util (X)	1.022	0.17	0.339	0.533	0.398
Departure Headway (Hd)	6.855	6.347	7.549	6.326	6.442
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	526	563	475	567	554
Service Time	4.619	4.111	5.328	4.104	4.523
HCM Lane V/C Ratio	1.021	0.171	0.339	0.534	0.403
HCM Control Delay, s/veh	71.2	10.4	14.2	16.2	13.8
HCM Lane LOS	F	B	B	C	B
HCM 95th-tile Q	14.9	0.6	1.5	3.1	1.9

Intersection	
Int Delay, s/veh	4.5

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	23	194	308	19	67	290
Future Vol, veh/h	23	194	308	19	67	290
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	85	85	78	78	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	27	228	395	24	76	330

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	889	407	0	0	419	0
Stage 1	407	-	-	-	-	-
Stage 2	482	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	314	644	-	-	1140	-
Stage 1	672	-	-	-	-	-
Stage 2	621	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	288	644	-	-	1140	-
Mov Cap-2 Maneuver	288	-	-	-	-	-
Stage 1	672	-	-	-	-	-
Stage 2	570	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s/v	16.36	0	1.57
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	569	338	-
HCM Lane V/C Ratio	-	-	0.448	0.067	-
HCM Control Delay (s/veh)	-	-	16.4	8.4	0
HCM Lane LOS	-	-	C	A	A
HCM 95th %tile Q(veh)	-	-	2.3	0.2	-

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	6	5	2	500	287	2
Future Vol, veh/h	6	5	2	500	287	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	78	78	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	7	5	3	641	326	2

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	973	327	328	0	-	0
Stage 1	327	-	-	-	-	-
Stage 2	646	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	280	714	1231	-	-	-
Stage 1	730	-	-	-	-	-
Stage 2	522	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	279	714	1231	-	-	-
Mov Cap-2 Maneuver	279	-	-	-	-	-
Stage 1	728	-	-	-	-	-
Stage 2	522	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	14.64	0.03	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	7	-	385	-	-
HCM Lane V/C Ratio	0.002	-	0.031	-	-
HCM Control Delay (s/veh)	7.9	0	14.6	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

Intersection	
Intersection Delay, s/veh	34.4
Intersection LOS	D

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	84	447	410	82	83	76
Future Vol, veh/h	84	447	410	82	83	76
Peak Hour Factor	0.93	0.93	0.86	0.86	0.84	0.84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	90	481	477	95	99	90
Number of Lanes	1	1	1	1	1	0

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	1	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	1	2	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	2
HCM Control Delay, s/veh	28.4	47.3	13.7
HCM LOS	D	E	B

Lane	NBLn1	NBLn2	EBLn1	EBLn2	SBLn1
Vol Left, %	100%	0%	100%	0%	0%
Vol Thru, %	0%	100%	0%	0%	52%
Vol Right, %	0%	0%	0%	100%	48%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	410	82	84	447	159
LT Vol	410	0	84	0	0
Through Vol	0	82	0	0	83
RT Vol	0	0	0	447	76
Lane Flow Rate	477	95	90	481	189
Geometry Grp	5	5	5	5	3b
Degree of Util (X)	0.946	0.176	0.185	0.822	0.362
Departure Headway (Hd)	7.145	6.636	7.377	6.157	6.89
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	505	537	483	582	526
Service Time	4.934	4.425	5.173	3.951	4.89
HCM Lane V/C Ratio	0.945	0.177	0.186	0.826	0.359
HCM Control Delay, s/veh	54.6	10.9	11.9	31.5	13.7
HCM Lane LOS	F	B	B	D	B
HCM 95th-tile Q	11.7	0.6	0.7	8.4	1.6

Intersection	
Int Delay, s/veh	2.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	12	106	386	19	111	416
Future Vol, veh/h	12	106	386	19	111	416
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	89	89	84	84	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	13	119	460	23	121	452

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1164	471	0	0	482	0
Stage 1	471	-	-	-	-	-
Stage 2	693	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	215	593	-	-	1080	-
Stage 1	628	-	-	-	-	-
Stage 2	496	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	183	593	-	-	1080	-
Mov Cap-2 Maneuver	183	-	-	-	-	-
Stage 1	628	-	-	-	-	-
Stage 2	422	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s/v	15.26	0	1.84
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	483	379	-
HCM Lane V/C Ratio	-	-	0.275	0.112	-
HCM Control Delay (s/veh)	-	-	15.3	8.8	0
HCM Lane LOS	-	-	C	A	A
HCM 95th %tile Q(veh)	-	-	1.1	0.4	-

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	4	3	5	487	414	7
Future Vol, veh/h	4	3	5	487	414	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	84	84	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	3	6	580	450	8

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1045	454	458	0	-	0
Stage 1	454	-	-	-	-	-
Stage 2	592	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	253	606	1103	-	-	-
Stage 1	640	-	-	-	-	-
Stage 2	553	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	251	606	1103	-	-	-
Mov Cap-2 Maneuver	251	-	-	-	-	-
Stage 1	635	-	-	-	-	-
Stage 2	553	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	15.99	0.08	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	18	-	335	-	-
HCM Lane V/C Ratio	0.005	-	0.023	-	-
HCM Control Delay (s/veh)	8.3	0	16	-	-
HCM Lane LOS	A	A	C	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

Attachment D

Loomis LRSP SWITRS Collision Data

ATTACHMENT B: SWITRS DATA

CASE_ID	ACCIDENT_YEAR	PROC_DATE	JURIS	COLLISION_DATE	COLLISION_TIME	OFFICER_ID	REPORTING_DISTRICT	DAY_OF_WEEK	CHP_SHIFT	POPULATION	CNTY_CITY_LOC	SPECIAL_COND	BEAT_TYPE
8292391	2017	20170418	3100	20170314	1725	77		2	5	2	3106	0	0
8292469	2017	20170412	3100	20170322	1537	193	135	3	5	2	3106	0	0
8314809	2017	20170317	3100	20170210	1812	66		5	5	2	3106	0	0
8330983	2017	20170405	3100	20170309	1302	202		4	5	2	3106	0	0
8337167	2017	20170404	3100	20170318	1110	65		6	5	2	3106	0	0
8338126	2017	20170329	3100	20170307	1455	101		2	5	2	3106	0	0
8343608	2017	20170412	3100	20170225	1821	66		6	5	2	3106	0	0
8348880	2017	20180326	3100	20170420	800	101	135	4	5	2	3106	0	0
8350532	2017	20170425	3100	20170303	122	79	3100	5	5	2	3106	0	0
8361624	2017	20170518	3100	20170502	1438	101	135	2	5	2	3106	0	0
8361628	2017	20170518	3100	20170507	555	148	135	7	5	2	3106	0	0
8366692	2017	20170627	3100	20170514	4	198		7	5	2	3106	0	0
8372166	2017	20170524	3100	20170509	1215	95	135	2	5	2	3106	0	0
8375037	2017	20170621	3100	20170521	1834	207	PLACE	7	5	2	3106	0	0
8387926	2017	20170815	3100	20170604	1628	185	LOOMI	7	5	2	3106	0	0
8397397	2017	20170628	3100	20170525	1922	66	PLACE	4	5	2	3106	0	0
8398539	2017	20170712	3100	20170526	1456	66	PLACE	5	5	2	3106	0	0
8403953	2017	20170816	3100	20170609	1950	185	PLACE	5	5	2	3106	0	0
8421195	2017	20171120	3100	20170708	1744	128	PLACE	6	5	2	3106	0	0
8429407	2017	20170818	3100	20170727	1824	41		4	5	2	3106	0	0
8447476	2017	20170912	3100	20170824	757	101	135	4	5	2	3106	0	0
8451751	2017	20170919	3100	20170813	1559	77		7	5	2	3106	0	0
8489977	2017	20171114	3100	20171025	1739	216	135	3	5	2	3106	0	0
8491121	2017	20171220	3100	20171105	1612	216	135	7	5	2	3106	0	0
8497639	2017	20180126	3100	20171102	955	124		4	5	2	3106	0	0
8497900	2017	20180214	3100	20171106	1731	216	135	1	5	2	3106	0	0
8497904	2017	20180124	3100	20171102	859	124		4	5	2	3106	0	0
8507221	2017	20180123	3100	20171118	1414	124		6	5	2	3106	0	0
8511536	2017	20180222	3100	20171211	1743	148	3100	1	5	2	3106	0	0
8511898	2017	20180312	3100	20171122	32	216	135	3	5	2	3106	0	0
8548291	2017	20180303	3100	20180116	1805	227	3100	2	5	2	3106	0	0
8557167	2017	20180308	3100	20180211	1846	66		7	5	2	3106	0	0
8580521	2017	20180417	3100	20180308	1205	101		4	5	2	3106	0	0
8590582	2017	20180406	3100	20180221	1950	66		3	5	2	3106	0	0
8591403	2017	20180412	3100	20180314	2017	151	135	3	5	2	3106	0	0
8592531	2017	20180808	3100	20180307	1630	141	135	3	5	2	3106	0	0
8592799	2017	20180413	3100	20180316	1527	66	PLACE	5	5	2	3106	0	0
8610651	2017	20180508	3100	20180316	1521	66	PLACE	5	5	2	3106	0	0
8614452	2017	20180511	3100	20180322	1818	151	1035	4	5	2	3106	0	0
8201498	2017	20170328	3100	20170217	841	203	LOOMI	5	5	2	3106	0	0
8361251	2017	20170516	3100	20170426	1101	101	135	3	5	2	3106	0	0
8375493	2017	20170607	3100	20170524	813	101		3	5	2	3106	0	0
8387781	2017	20170612	3100	20170527	1247	124		6	5	2	3106	0	0
8388047	2017	20170615	3100	20170523	1619	207	PLACE	2	5	2	3106	0	0
8473632	2017	20171109	3100	20171003	1346	149	135	2	5	2	3106	0	0
8473644	2017	20171106	3100	20170915	1249	149	135	5	5	2	3106	0	0
8487053	2017	20171117	3100	20171009	1057	149	135	1	5	2	3106	0	0

CASE_ID	CHP_BEAT_TYPE	CITY_DIVISION_LAPD	CHP_BEAT_CLASS	BEAT_NUMBER	PRIMARY_RD	SECONDARY_RD	DISTANCE	DIRECTION	INTERSECTION	WEATHER_1	WEATHER_2
8292391	0		0	13P	N MCALLEN DR	SAUNDERS DR	0		Y	A	-
8292469	0		0		SIERRA COLLEGE BL	KING RD	495	S	N	B	-
8314809	0		0	135	SIERRA COLLEGE BL	BRACE RD	30	S	N	A	-
8330983	0		0		SIERRA COLLEGE BL	TAYLOR RD	0		Y	A	-
8337167	0		0	PAUL	SIERRA COLLEGE RD	TAYLOR RD	528		N	A	-
8338126	0		0	135	HORSESHOE BAR RD	TAYLOR RD	85	E	N	B	-
8343608	0		0	135	CORWIN CT	CORWIN CT 3448	0		-	A	-
8348880	0		0		HORSESHOE BAR RD	RT 80	0		Y	B	-
8350532	0		0		TAYLOR RD	OAK ST	0		Y	A	-
8361624	0		0		TAYLOR RD	KING RD	640	S	N	A	-
8361628	0		0		TAYLOR RD	SIERRA COLLEGE BL	0		Y	A	-
8366692	0		0	PAUL	HORSESHOE BAR RD	HORSESHOE BAR RD 6280	0		N	A	-
8372166	0		0		MONTE CLAIRE LN	MONTE CLAIRE LN 5640	0		Y	A	-
8375037	0		0	LOOMIS	WELLS AV	WELLS AV 6400	0		-	A	-
8387926	0		0	PAUL	MARGARET DR	PEARSON AV	154		N	A	-
8397397	0		0	135	KING RD	KING RD 6125	0		N	A	-
8398539	0		0	135	HORSESHOE BAR RD	HORSESHOE BAR RD 6140	0		Y	A	-
8403953	0		0	PAUL	BARTON RD	NUTE RD	128	S	N	A	-
8421195	0		0	135	TAYLOR RD	SIERRA COLLEGE BL	0		Y	A	-
8429407	0		0	135	HORSESHOE BAR RD	DOC BARNES DR	300	S	N	A	-
8447476	0		0		WELLS AV	BARTON RD	1584	E	N	A	-
8451751	0		0	135	SIERRA COLLEGE BL	SIERRA COLLEGE BL 3901	0		-	A	-
8489977	0		0		LAIRD RD	HIGH CLIFF RD	960	S	N	A	-
8491121	0		0	PAUL	KING RD	BARKER RD	368	W	N	A	-
8497639	0		0		ANGELO COURT	SWETZER RD	165	E	N	A	-
8497900	0		0	PAUL	S HORSESHOE BAR RD	HORSESHOE BAR RD	0		Y	A	-
8497904	0		0		SIERRA COLLEGE BL	TAYLOR RD	75	S	N	A	-
8507221	0		0		HORSESHOE BAR RD	TAYLOR RD	35	S	N	A	-
8511536	0		0	135	HORSE SHOE BAR RD	BARNES	0		Y	A	-
8511898	0		0	PAUL	HORSESHOE BAR RD	MORILLAS LN	137	E	N	A	-
8548291	0		0		TAYLOR RD	KING RD	105	E	N	A	-
8557167	0		0	135	HORSESHOE BAR RD	HORSESHOE BAR RD 6140	0		N	A	-
8580521	0		0	135	SIERRA COLLEGE BL	TAYLOR RD	300	N	N	A	-
8590582	0		0	135	SIERRA COLLEGE BL	TAYLOR RD	0		Y	A	-
8591403	0		0	PAUL	TAYLOR RD	HORSESHOE BAR RD	0		Y	C	-
8592531	0		0	PAUL	HORSESHOE BAR RD	RT 80	0		Y	A	-
8592799	0		0	135	TAYLOR RD	TAYLOR RD 3550	0		-	B	-
8610651	0		0	135	TAYLOR RD	RIPPEY RD	0		Y	A	-
8614452	0		0	PAUL	BARTON RD	BARTON RD 5341	15	W	N	A	-
8201498	0		0	PAUL	TAYLOR RD	TAYLOR RD 4013	0		N	B	C
8361251	0		0		LAIRD RD	TOWN LIMIT LINE	106	N	N	B	C
8375493	0		0	135	KING RD	ARCADIA AV	201	W	N	A	-
8387781	0		0		TAYLOR RD	WALNUT ST	51	W	N	A	-
8388047	0		0	PAUL	TAYLOR ST	WALNUT ST	259	S	N	A	-
8473632	0		0	PAUL	TAYLOR RD	SIERRA COLLEGE BL	625	E	N	A	-
8473644	0		0	PAUL	SIERRA COLLEGE BL	KING RD	142	S	N	A	-
8487053	0		0	12P	BARTON RD	WELLS AV	0		Y	A	-

CASE_ID	STATE_HWY_IND	CALTRANS_COUNTY	CALTRANS_DISTRICT	STATE_ROUTE	ROUTE_SUFFIX	POSTMILE_PREFIX	POSTMILE	LOCATION_TYPE	RAMP_INTERSECTION	SIDE_OF_HWY	TOW_AWAY	COLLISION_SEVERITY
8292391	N										Y	0
8292469	N										Y	0
8314809	N										N	0
8330983	N										Y	0
8337167	N										N	0
8338126	N										N	0
8343608	N										N	0
8348880	Y	PLA	3	80	-	-	8.672	R	4	W	Y	0
8350532	N										Y	0
8361624	N										Y	0
8361628	N										Y	0
8366692	N										N	0
8372166	N										N	0
8375037	N										Y	0
8387926	N										N	0
8397397	N										N	0
8398539	N										N	0
8403953	N										Y	0
8421195	N										N	0
8429407	N										Y	0
8447476	N										Y	0
8451751											Y	0
8489977	N										Y	0
8491121	N										Y	0
8497639	N										Y	0
8497900	N										Y	0
8497904	N											0
8507221	N										N	0
8511536	N										N	0
8511898	N										Y	0
8548291	N										Y	0
8557167	N										Y	0
8580521	N										N	0
8590582	N										Y	0
8591403	N										N	0
8592531	Y	PLA	3	80	-	-	8.672	R	1	W	N	0
8592799	N										Y	0
8610651	N										N	0
8614452	N										N	0
8201498	N										Y	4
8361251	N										Y	4
8375493	N										N	4
8387781	N										Y	3
8388047	N										Y	3
8473632	N										Y	3
8473644	N										Y	3
8487053	N										Y	3

CASE_ID	NUMBER_KILLED	NUMBER_INJURED	PARTY_COUNT	PRIMARY_COLL_FACTOR	PCF_CODE_OF_VIOL	PCF_VIOL_CATEGORY	PCF_VIOLATION	PCF_VIOL_SUBSECTION	HIT_AND_RUN	TYPE_OF_COLLISION	MVIW	PED_ACTION
8292391	0	0	2	A	-	8	22100	A	N	A	C	A
8292469							22350		N	C	C	A
8314809							22350		M	B	C	A
8330983							21453	A	N	D	C	A
8337167							22107		N	B	C	A
8338126							21703		N	C	C	A
8343608							23152	B	N	B	E	A
8348880							21453	A	N	D	C	A
8350532							23152	A	N	E	J	A
8361624							22350		N	C	C	A
8361628							21453	A	N	D	C	A
8366692							22350		N	E	I	A
8372166							22107		N	-	I	A
8375037	0	0	1	A	-	3	22350		N	B	I	A
8387926	0	0	2	B	-	22			N	-	I	A
8397397	0	0	2	A	-	6	21750	A	M	B	C	A
8398539	0	0	2	D	-	0		rear end	N	D	C	A
8403953	0	0	1	A	-	3	22350		N	F	I	A
8421195	0	0	2	A	-	1	23152	F	N	C	C	A
8429407	0	0	2	A	-	9	21801	A	N	D	C	A
8447476	0	0	2	A	-	4	21703		N	C	C	A
8451751	0	0	3	A	-	0	23123	A	N	C	C	A
8489977	0	0	1	A	-	3	22350		N	E	I	A
8491121	0	0	1	A	-	8	22107		N	E	I	A
8497639	0	0	3	A	-	1	23152	F	N	B	E	A
8497900	0	0	2	A	-	9	21802	A	N	D	C	A
8497904	0	0	2	A	-	3	22350		N	C	D	A
8507221	0	0	2	A	-	3	22350		N	C	C	A
8511536	0	0	1	A	-	3	22350		N	E	I	A
8511898	0	0	1	A	-	1	23152	A	N	E	I	A
8548291	0	0	2	A	-	1	23152	E	M	C	C	A
8557167	0	0	2	A	-	1	23152		N	D	E	A
8580521	0	0	2	A	-	4	21703		N	C	C	A
8590582	0	0	2	A	-	12	21453	A	N	D	C	A
8591403	0	0	2	A	-	3	22350	rear end	N	C	C	A
8592531	0	0	2	A	-	8	22107		N	B	C	A
8592799	0	0	2	A	-	4	21703		N	C	C	A
8610651	0	0	2	A	-	4	21703		N	C	C	A
8614452	0	0	2	A	-	3	22350		N	C	C	A
8201498	0	1	5	A	-	1	23152	A	N	D	E	A
8361251	0	1	2	A	-	5	21460	A	N	A	C	A
8375493	0	1	2	A	-	4	21703		N	C	C	A
8387781	0	1	3	A	-	8	22107	sideswipe	N	G	E	E
8388047	0	1	3	A	-	3	22350		N	B	E	A
8473632	0	2	2	A	-	9	21801	A	N	B	C	A
8473644	0	2	3	A	-	3	22350		N	C	C	A
8487053	0	1	2	A	-	4	21703		N	B	C	A

Type of Crash	**TYPE_OF_COLLISION**	The general type of crash as determined by the first injury or damage-causing event.

- A - Head-On
- B - Sideswipe
- C - Rear End
- D - Broadside
- E - Hit Object
- F - Overturned
- G - Vehicle/Pedestrian
- H - Other
- - - Not Stated

CASE_ID	ROAD_SURFACE	ROAD_COND_1	ROAD_COND_2	LIGHTING	CONTROL_DEVICE	HP_ROAD_TYPE	PEDESTRIAN_ACCIDENT	BICYCLE_ACCIDENT	MOTORCYCLE_ACCIDENT	TRUCK_ACCIDENT	NOT_PRIVATE_PROPERTY
8292391	A	H	-	A	-	0					Y
8292469	A	H	-	A	A	0					Y
8314809	A	H	-	C	A	0					Y
8330983	A	H	-	A	A	0					Y
8337167	A	H	-	A	D	0					Y
8338126	A	H	-	A	A	0					Y
8343608	A	H	-	D	D	0					Y
8348880	A	H	-	A	A	0					Y
8350532	A	H	-	C	D	0					Y
8361624	A	H	-	A	D	0					Y
8361628	A	H	-	A	A	0					Y
8366692	A	H	-	D	D	0					Y
8372166	A	H	-	A	D	0					Y
8375037	B	H	-	A	D	0					Y
8387926	A	H	-	A	-	0					Y
8397397	A	H	-	A	D	0					Y
8398539	A	H	-	A	A	0					Y
8403953	A	H	-	B	D	0					Y
8421195	A	H	-	A	A	0					Y
8429407	A	H	-	A	D	0					Y
8447476	A	H	-	A	D	0					Y
8451751	A	H	-	A	D	0					Y
8489977	A	H	-	A	D	0					Y
8491121	A	H	-	A	D	0					Y
8497639	A	H	-	A	D	0					Y
8497900	A	H	-	B	A	0					Y
8497904	A	H	-	A	A	0					Y
8507221	A	H	-	A	A	0					Y
8511536	A	H	-	C	A	0					Y
8511898	A	H	-	D	D	0					Y
8548291	A	H	-	C	A	0					Y
8557167	A	H	-	C	D	0					Y
8580521	A	H	-	A	A	0					Y
8590582	A	H	-	C	A	0					Y
8591403	B	H	-	C	A	0					Y
8592531	A	-	-	A	A	0					Y
8592799	A	H	-	A	D	0					Y
8610651	A	H	-	A	D	0					Y
8614452	A	H	-	A	D	0					Y
8201498	B	H	-	A	D	0					Y
8361251	B	H	-	A	D	0					Y
8375493	A	H	-	A	D	0					Y
8387781	A	H	-	A	D	0	Y				Y
8388047	A	H	-	A	D	0					Y
8473632	A	H	-	A	D	0					Y
8473644	A	H	-	A	A	0					Y
8487053	A	H	-	A	A	0					Y

CASE_ID	ALCOHOL_INVOLVED	STWD_VEHTYPE_AT_FAULT	CHP_VEHTYPE_AT_FAULT	COUNT_SEVERE_INJ	COUNT_VISIBLE_INJ	COUNT_COMPLAINT_PAIN	COUNT_PED_KILLED	COUNT_PED_INJURED	COUNT_BICYCLIST_KILLED
8292391		-		0	0	0	0	0	0
8292469		A	1	0	0	0	0	0	0
8314809		-		0	0	0	0	0	0
8330983		-		0	0	0	0	0	0
8337167		-		0	0	0	0	0	0
8338126		-		0	0	0	0	0	0
8343608	Y	-		0	0	0	0	0	0
8348880		-		0	0	0	0	0	0
8350532	Y	A	1	0	0	0	0	0	0
8361624		-		0	0	0	0	0	0
8361628		-		0	0	0	0	0	0
8366692		-		0	0	0	0	0	0
8372166		-		0	0	0	0	0	0
8375037		D	22	0	0	0	0	0	0
8387926		-	-	0	0	0	0	0	0
8397397		-		0	0	0	0	0	0
8398539		-	-	0	0	0	0	0	0
8403953		-		0	0	0	0	0	0
8421195		D		0	0	0	0	0	0
8429407		-		0	0	0	0	0	0
8447476		A	1	0	0	0	0	0	0
8451751		-		0	0	0	0	0	0
8489977		-		0	0	0	0	0	0
8491121		-		0	0	0	0	0	0
8497639		D	22	0	0	0	0	0	0
8497900		-		0	0	0	0	0	0
8497904		A	7	0	0	0	0	0	0
8507221		A	1	0	0	0	0	0	0
8511536		-	-	0	0	0	0	0	0
8511898	Y	-		0	0	0	0	0	0
8548291		D	22	0	0	0	0	0	0
8557167	Y	-		0	0	0	0	0	0
8580521		-		0	0	0	0	0	0
8590582		-	-	0	0	0	0	0	0
8591403		-		0	0	0	0	0	0
8592531		D	22	0	0	0	0	0	0
8592799		-		0	0	0	0	0	0
8610651		-		0	0	0	0	0	0
8614452		-		0	0	0	0	0	0
8201498		-		0	0	1	0	0	0
8361251		-		0	0	1	0	0	0
8375493		-		0	0	1	0	0	0
8387781		A	1	0	1	0	0	1	0
8388047		D	22	0	1	0	0	0	0
8473632		D	22	0	2	0	0	0	0
8473644		A	1	0	1	1	0	0	0
8487053		-		0	1	0	0	0	0

CASE_ID	COUNT_BICYCLIST_INJURED	COUNT_MC_KILLED	COUNT_MC_INJURED	PRIMARY_RAMP	SECONDARY_RAMP	LATITUDE	LONGITUDE
8292391	0	0	0	-	-		
8292469	0	0	0	-	-		
8314809	0	0	0	-	-		
8330983	0	0	0	-	-		
8337167	0	0	0	-	-		
8338126	0	0	0	-	-		
8343608	0	0	0	-	-		
8348880	0	0	0	-	WF		
8350532	0	0	0	-	-		
8361624	0	0	0	-	-		
8361628	0	0	0	-	-		
8366692	0	0	0	-	-		
8372166	0	0	0	-	-		
8375037	0	0	0	-	-		
8387926	0	0	0	-	-		
8397397	0	0	0	-	-		
8398539	0	0	0	-	-		
8403953	0	0	0	-	-		
8421195	0	0	0	-	-		
8429407	0	0	0	-	-		
8447476	0	0	0	-	-		
8451751	0	0	0	-	-		
8489977	0	0	0	-	-		
8491121	0	0	0	-	-		
8497639	0	0	0	-	-		
8497900	0	0	0	-	-		
8497904	0	0	0	-	-		
8507221	0	0	0	-	-		
8511536	0	0	0	-	-		
8511898	0	0	0	-	-		
8548291	0	0	0	-	-		
8557167	0	0	0	-	-		
8580521	0	0	0	-	-		
8590582	0	0	0	-	-		
8591403	0	0	0	-	-		
8592531	0	0	0	-	WF		
8592799	0	0	0	-	-		
8610651	0	0	0	-	-		
8614452	0	0	0	-	-		
8201498	0	0	0	-	-		
8361251	0	0	0	-	-		
8375493	0	0	0	-	-		
8387781	0	0	0	-	-		
8388047	0	0	0	-	-		
8473632	0	0	0	-	-		
8473644	0	0	0	-	-		
8487053	0	0	0	-	-		

CASE_ID	ACCIDENT_YEAR	PROC_DATE	JURIS	COLLISION_DATE	COLLISION_TIME	OFFICER_ID	REPORTING_DISTRICT	DAY_OF_WEEK	CHP_SHIFT	POPULATION	CNTY_CITY_LOC	SPECIAL_COND	BEAT_TYPE
8507431	2017	20171213	3100	20171107	1741	216	135	2	5	2	3106	0	0
8507435	2017	20171213	3100	20171111	1511	124		6	5	2	3106	0	0
8605862	2017	20180605	3100	20180428	1437	187		6	5	2	3106	0	0
8373284	2017	20170605	3100	20170505	1515	102	LOOMI	5	5	2	3106	0	0
8411684	2017	20170728	3100	20170403	2350	148		1	5	2	3106	0	0
8620350	2018	20180705	3100	20180503	1600	101		4	5	2	3106	0	0
8621520	2018	20180621	3100	20180503	1620	235	3100	4	5	2	3106	0	0
8623821	2018	20180608	3100	20180417	1522	66	LOOMI	2	5	2	3106	0	0
8625492	2018	20180627	3100	20180411	1733	66	LOOMI	3	5	2	3106	0	0
8646286	2018	20180809	3100	20180608	1233	124		5	5	2	3106	0	0
8648873	2018	20180813	3100	20180525	1134	122		5	5	2	3106	0	0
8652325	2018	20181022	3100	20180704	37	237	3100	3	5	2	3106	0	0
8671640	2018	20180828	3100	20180724	1610	101		2	5	2	3106	0	0
8675158	2018	20180913	3100	20180808	808	124		3	5	2	3106	0	0
8692081	2018	20180920	3100	20180826	1005	66	3100	7	5	2	3106	0	0
8692085	2018	20180920	3100	20180820	1515	66	LOOMI	1	5	2	3106	0	0
8699462	2018	20180926	3100	20180823	1846	136	135	4	5	2	3106	0	0
8699466	2018	20180926	3100	20180831	724	124		5	5	2	3106	0	0
8703361	2018	20181010	3100	20180901	1715	#232	PCSO	6	5	2	3106	0	0
8706116	2018	20181005	3100	20180911	955	101		2	5	2	3106	0	0
8710442	2018	20181022	3100	20180924	1605	101		1	5	2	3106	0	0
8716227	2018	20181017	3100	20180925	1709	136	135	2	5	2	3106	0	0
8722032	2018	20181025	3100	20180922	1356	149		6	5	2	3106	0	0
8722775	2018	20181113	3100	20180924	600	101		1	5	2	3106	0	0
8727395	2018	20181116	3100	20180908	35	171	135	6	5	2	3106	0	0
8748200	2018	20181214	3100	20181106	1520	101		2	5	2	3106	0	0
8759375	2018	20181219	3100	20181122	2010	136	135	4	5	2	3106	0	0
8759549	2018	20181228	3100	20181130	1528	124		5	5	2	3106	0	0
8771830	2018	20190114	3100	20181214	1147	124	PLACE	5	5	2	3106	0	0
8771849	2018	20190111	3100	20181204	735	101		2	5	2	3106	0	0
8790446	2018	20190131	3100	20181221	2245	81	135	5	5	2	3106	0	0
8790450	2018	20190131	3100	20181220	1620	101		4	5	2	3106	0	0
8800357	2018	20190213	3100	20181210	1130	101		1	5	2	3106	0	0
8802198	2018	20190318	3100	20190215	2000	186	135	5	5	2	3106	0	0
8806426	2018	20190320	3100	20190207	2359	180	135	4	5	2	3106	0	0
8809987	2018	20190308	3100	20190122	500	101		2	5	2	3106	0	0
8832225	2018	20190402	3100	20190305	1050	101		2	5	2	3106	0	0
8843229	2018	20190509	3100	20190216	2138	81	135	6	5	2	3106	0	0
8843909	2018	20190417	3100	20190318	740	101		1	5	2	3106	0	0
8844932	2018	20190424	3100	20190326	750	252	LOP	2	5	2	3106	0	0
8868652	2018	20190612	3100	20190418	1054	124		4	5	2	3106	0	0
8868660	2018	20190611	3100	20190406	1039	88	PLACE	6	5	2	3106	0	0
8880264	2018	20190620	3100	20190530	2500	253		4	5	2	3106	0	0
8881995	2018	20190717	3100	20190620	1745	33		4	5	2	3106	0	0
8899979	2018	20190730	3100	20190526	1524	66		7	5	2	3106	0	0
8903543	2018	20190802	3100	20190614	2102	128		5	5	2	3106	0	0
8907344	2018	20190815	3100	20190716	1624	101		2	5	2	3106	0	0

CASE_ID	CHP_BEAT_TYPE	CITY_DIVISION_LAPD	CHP_BEAT_CLASS	BEAT_NUMBER	PRIMARY_RD	SECONDARY_RD	DISTANCE	DIRECTION	INTERSECTION	WEATHER_1	WEATHER_2
8507431	0		0	PAUL	HUMPHREY RD	KING RD	18	N	N	A	-
8507435	0		0		TAYLOR RD	LEMOS RANCH DR	1253	W	N	A	-
8605862	0		0	00P	HUMPHREY RD	BROOKS AV	0		Y	A	-
8373284	0		0	12P	TAYLOR RD	RACHEL CT	1640	E	N	A	-
8411684	0		0	135	BANKHEAD RD	BANKHEAD RD 3690	32	W	N	A	-
8620350	0		0	135	KING RD	HUMPHREY RD	90	W	N	A	-
8621520	0		0	135	BRACE RD	HOWARD LN	0		Y	A	-
8623821	0		0	135	BANKHEAD RD	SIERRA COLLEGE BL	0		Y	A	-
8625492	0		0	135	KING RD	KING RD 6331	0		Y	B	-
8646286	0		0		SWETZER RD	JETTON LN	198	N	N	A	-
8648873	0		0	PAUL	BARTON RD	BARTON RD 6375	80	S	N	B	C
8652325	0		0	135	LAIRD RD	LOOMIS HILLS RD	480	N	N	A	-
8671640	0		0	135	TAYLOR RD	SHAWN WY	123	S	N	A	-
8675158	0		0	00P	KING RD	SIERRA COLLEGE BL	51	E	N	A	-
8692081	0		0	PAUL	HORSESHOE BAR RD	HORSESHOE BAR RD 6079	0		Y	-	-
8692085	0		0	135	SIERRA COLLEGE BL	SIERRA COLLEGE BL 3901	0		Y	A	-
8699462	0		0	135	ROCKLIN RD	POPPY RIDGE CT	0		Y	A	-
8699466	0		0		BARTON RD	RUTHERFORD CYN RD	1056	N	N	A	-
8703361	0		0	PAUL/1	BARTON RD	BARTON RD 6344	100	S	N	A	-
8706116	0		0	135	TAYLOR RD	HORSESHOE BAR RD	0		Y	A	-
8710442	0		0	135	SWETZER RD	KING RD	600	N	N	A	-
8716227	0		0	00P	SIERRA COLLEGE BL	SIERRA COLLEGE BL 3901	0		Y	A	-
8722032	0		0	135	HORSESHOE BAR RD	DOC BARNES DR	210	S	N	A	-
8722775	0		0	135	SAUNDERS AV	N MCALLEN	0		Y	A	-
8727395	0		0	PAUL	RACHEL LN	TAYLOR RD	20	E	N	A	-
8748200	0		0	135	SAUNDERS AV	GRAZING LN	0		Y	A	-
8759375	0		0	00P	TAYLOR RD	KING RD	0		Y	C	-
8759549	0		0		TAYLOR RD	LEMOS RANCH DR	1820	W	N	B	-
8771830	0		0		LAIRD RD	BRACE RD	423	S	N	B	-
8771849	0		0	135	TAYLOR RD	KING RD	25	N	N	B	-
8790446	0		0	PALIL	KING RD	HUMPHREY RD	0		N	A	-
8790450	0		0	135	KING RD	HUMPHREY RD	0		Y	B	-
8800357	0		0	135	TAYLOR RD	KING RD	4	N	N	A	-
8802198	0		0	13P	KING RD	ARCADIA AV	12	S	N	C	E
8806426	0		0	PAUL	SIERRA COLLEGE BL	TAYLOR RD	122	N	N	A	-
8809987	0		0	135	SUN KNOLL DR	KING RD	315	S	N	A	-
8832225	0		0	135	TAYLOR RD	HORSESHOE BAR RD	21	N	N	B	C
8843229	0		0	PALK	KING RD	BANKHEAD RD	200	E	N	A	-
8843909	0		0	LOP	BARTON RD	GOLD TRAIL WY	0		Y	A	-
8844932	0		0		TAYLOR RD	RACHEL LN	120	S	N	B	-
8868652	0		0		KING RD	COLVIN DR	42	W	N	A	-
8868660	0		0	PAUL	HORSESHOE BAR RD	TAYLOR RD	0		Y	A	-
8880264	0		0	PAUL	WELLS AV	MORGAN PL	249	W	N	A	-
8881995	0		0	LOOMIS	KING RD	SHELTER COVE	0		Y	A	-
8899979	0		0	LOOMIS	SIERRA COLLEGE BL	TAYLOR RD	185	S	N	C	-
8903543	0		0		HORSESHOE BAR RD	EVANS DR	528	S	N	A	-
8907344	0		0		HORSE BAR RD	TAYLOR RD	135	E	N	A	-

CASE_ID	STATE_HWY_IND	CALTRANS_COUNTY	CALTRANS_DISTRICT	STATE_ROUTE	ROUTE_SUFFIX	POSTMILE_PREFIX	POSTMILE	LOCATION_TYPE	RAMP_INTERSECTION	SIDE_OF_HWY	TOW_AWAY	COLLISION_SEVERITY
8507431	N										Y	2
8507435	N										N	3
8605862	N										Y	3
8373284	N										Y	4
8411684	N										Y	0
8620350	N											0
8621520	N										Y	0
8623821	N										Y	0
8625492	N										N	0
8646286	N										N	0
8648873	N										Y	3
8652325	N										Y	0
8671640	N										N	0
8675158	N										N	0
8692081	N										N	0
8692085	N										Y	0
8699462	N										Y	0
8699466	N										Y	0
8703361	N										N	0
8706116	N										N	0
8710442	N										Y	0
8716227	N										N	0
8722032	N										N	0
8722775	N										N	0
8727395	N										N	0
8748200	N										Y	0
8759375	N										N	0
8759549	N										Y	0
8771830	N										Y	0
8771849	N										N	0
8790446	N										N	0
8790450	N										Y	0
8800357	N										N	0
8802198	N										N	0
8806426	N										Y	0
8809987	N										N	0
8832225	N										N	0
8843229	N										N	0
8843909	N										Y	0
8844932	N										N	0
8868652	N										Y	0
8868660	N										N	0
8880264	N										N	0
8881995	N										Y	0
8899979	N										N	0
8903543	N										N	0
8907344	N										Y	0

CASE_ID	NUMBER_KILLED	NUMBER_INJURED	PARTY_COUNT	PRIMARY_COLL_FACTOR	PCF_CODE_OF_VIOL	PCF_VIOL_CATEGORY	PCF_VIOLATION	PCF_VIOL_SUBSECTION	HIT_AND_RUN	TYPE_OF_COLLISION	MVIW	PED_ACTION
8507431	0	1	1	A	-	1	23152	A	N	E	I	A
8507435	0	1	1	A	-	3	22350		N	F	I	A
8605862	0	2	2	A	-	9	21801	A	N	D	C	A
8373284	0	1	2	A	-	9	21801	A	N	A	C	A
8411684	0	0	1	A	-	3	22350		M	E	I	A
8620350	0	0	3	A	-	8	22107	A	N	C	E	A
8621520	0	0	1	A	-	3	22350	A	M	E	I	A
8623821	0	0	2	A	-	3	22350		N	B	C	A
8625492	0	0	2	A	-	-			N	B	C	A
8646286	0	0	3	A	-	8	22107		N	G	E	A
8648873	0	1	1	A	-	3	22350		N	E	I	A
8652325	0	0	1	A	-	3	22350		M	F	I	A
8671640	0	0	2	A	-	8	22100	A	N	B	C	A
8675158	0	0	1	A	-	8	22107		M	E	I	A
8692081	0	0	2	C	-	18			N	H	I	A
8692085	0	0	2	A	-	3	22350		N	C	C	A
8699462	0	0	1	A	-	8	22107		N	E	I	A
8699466	0	0	1	A	-	8	22107		N	E	I	A
8703361	0	0	1	A	-	3	22350		N	E	I	A
8706116	0	0	2	A	-	6	21755	A	N	B	C	A
8710442	0	0	2	A	-	8	22102		N	B	C	A
8716227	0	0	2	A	-	3	22350		N	C	C	A
8722032	0	0	2	A	-	9	21804	A	N	D	C	A
8722775	0	0	1	A	-	8	22107		N	E	I	A
8727395	0	0	1	A	-	8	22107		N	E	I	A
8748200	0	0	2	A	-	21	22106		N	A	C	A
8759375	0	0	1	A	-	8	22107		N	E	I	A
8759549	0	0	2	A	-	4	21703		N	C	C	A
8771830	0	0	1	A	-	5	21650		N	E	I	A
8771849	0	0	2	A	-	3	22350		N	C	C	A
8790446	0	0	1	A	-	12	22450		N	E	I	A
8790450	0	0	2	A	-	1	23152	F	N	C	C	A
8800357	0	0	1	A	-	8	22107		M	A	I	A
8802198	0	0	2	A	-	9	21802	A	N	D	D	A
8806426	0	0	1	A	-	5	21650		N	E	I	A
8809987	0	0	2	A	-	8	22107		M	C	E	A
8832225	0	0	2	A	-	3	22350		N	C	C	A
8843229	0	0	1	A	-	21	22106		N	E	I	A
8843909	0	0	3	A	-	4	21703		M	C	C	A
8844932	0	0	2	A	-	4	21703		N	C	C	A
8868652	0	0	3	A	-	8	22107		N	E	E	A
8868660	0	0	1	A	-	8	22107		N	B	I	A
8880264	0	0	1	A	-	8	22107		M	E	I	A
8881995	0	0	2	A	-	9	21801	A	N	D	C	A
8899979	0	0	2	A	-	3	22350		N	C	C	A
8903543	0	0	2	A	-	5	21460	A	M	B	C	A
8907344	0	0	2	A	-	9	21804	A	N	A	C	A

CASE_ID	ROAD_SURFACE	ROAD_COND_1	ROAD_COND_2	LIGHTING	CONTROL_DEVICE	HP_ROAD_TYPE	PEDESTRIAN_ACCIDENT	BICYCLE_ACCIDENT	MOTORCYCLE_ACCIDENT	TRUCK_ACCIDENT	NOT_PRIVATE_PROPERTY
8507431	A	H	-	B	A	0					Y
8507435	A	H	-	A	D	0			Y		Y
8605862	A	H	-	A	D	0					Y
8373284	A	H	-	A	D	0					Y
8411684	A	H	-	D	D	0					Y
8620350	A	H	-	A	A	0					Y
8621520	A	H	-	A	D	0					Y
8623821	A	H	-	A	A	0					Y
8625492	A	H	-	A	D	0					Y
8646286	A	H	-	A	D	0				Y	Y
8648873	B	H	-	A	D	0					Y
8652325	A	H	-	D	D	0					Y
8671640	A	H	-	A	D	0					Y
8675158	A	H	-	A	A	0					Y
8692081	A	H	-	A	C	0					Y
8692085	A	H	-	A	D	0					Y
8699462	A	H	-	A	D	0					Y
8699466	A	H	-	A	D	0					Y
8703361	A	H	-	A	D	0					Y
8706116	A	H	-	A	A	0					Y
8710442	A	H	-	A	D	0					Y
8716227	A	H	-	A	D	0					Y
8722032	A	H	-	A	A	0					Y
8722775	A	H	-	D	D	0					Y
8727395	A	H	-	C	D	0					Y
8748200	A	H	-	A	D	0					Y
8759375	B	H	-	C	A	0					Y
8759549	A	H	-	A	D	0					Y
8771830	A	H	-	A	D	0					Y
8771849	A	H	-	-	A	0					Y
8790446	A	H	-	C	A	0					Y
8790450	A	H	-	A	D	0					Y
8800357	A	H	-	A	D	0					Y
8802198	B	H	-	D	-	0					Y
8806426	A	H	-	C	A	0					Y
8809987	A	H	-	D	D	0					Y
8832225	B	H	-	A	A	0					Y
8843229	B	H	-	C	D	0					Y
8843909	A	H	-	A	D	0					Y
8844932	B	H	-	A	D	0					Y
8868652	A	H	-	A	D	0					Y
8868660	A	H	-	A	A	0					Y
8880264	A	H	-	D	D	0					Y
8881995	A	H	-	A	D	0				Y	Y
8899979	B	H	-	A	D	0					Y
8903543	A	H	-	D	D	0					Y
8907344	A	H	-	A	D	0					Y

CASE_ID	ALCOHOL_INVOLVED	STWD_VEHTYPE_AT_FAULT	CHP_VEHTYPE_AT_FAULT	COUNT_SEVERE_INJ	COUNT_VISIBLE_INJ	COUNT_COMPLAINT_PAIN	COUNT_PED_KILLED	COUNT_PED_INJURED	COUNT_BICYCLIST_KILLED
8507431	Y	-		1	0	0	0	0	0
8507435		C	2	0	1	0	0	0	0
8605862		D	22	0	1	1	0	0	0
8373284		A	1	0	0	1	0	0	0
8411684		-		0	0	0	0	0	0
8620350		-		0	0	0	0	0	0
8621520		-	-	0	0	0	0	0	0
8623821	Y	A	1	0	0	0	0	0	0
8625492		-	-	0	0	0	0	0	0
8646286		F	26	0	0	0	0	0	0
8648873		-		0	1	0	0	0	0
8652325		A	1	0	0	0	0	0	0
8671640		-		0	0	0	0	0	0
8675158		-		0	0	0	0	0	0
8692081		-	-	0	0	0	0	0	0
8692085		D	22	0	0	0	0	0	0
8699462		A	1	0	0	0	0	0	0
8699466		A	1	0	0	0	0	0	0
8703361		-		0	0	0	0	0	0
8706116		-		0	0	0	0	0	0
8710442		-		0	0	0	0	0	0
8716227		-		0	0	0	0	0	0
8722032		-		0	0	0	0	0	0
8722775		-		0	0	0	0	0	0
8727395		A	8	0	0	0	0	0	0
8748200		D	22	0	0	0	0	0	0
8759375		-		0	0	0	0	0	0
8759549		A	1	0	0	0	0	0	0
8771830		A	1	0	0	0	0	0	0
8771849		-		0	0	0	0	0	0
8790446		-		0	0	0	0	0	0
8790450		-		0	0	0	0	0	0
8800357		-	-	0	0	0	0	0	0
8802198		-		0	0	0	0	0	0
8806426		D	22	0	0	0	0	0	0
8809987		-		0	0	0	0	0	0
8832225		-		0	0	0	0	0	0
8843229		-		0	0	0	0	0	0
8843909		-		0	0	0	0	0	0
8844932		-		0	0	0	0	0	0
8868652		D	22	0	0	0	0	0	0
8868660		-	-	0	0	0	0	0	0
8880264		-		0	0	0	0	0	0
8881995		-		0	0	0	0	0	0
8899979		A	7	0	0	0	0	0	0
8903543		A	1	0	0	0	0	0	0
8907344		-		0	0	0	0	0	0

CASE_ID	COUNT_BICYCLIST_INJURED	COUNT_MC_KILLED	COUNT_MC_INJURED	PRIMARY_RAMP	SECONDARY_RAMP	LATITUDE	LONGITUDE
8507431	0	0	0	-	-		
8507435	0	0	1	-	-		
8605862	0	0	0	-	-		
8373284	0	0	0	-	-	38.83141	-121.18528
8411684	0	0	0	-	-	38.81943	-121.21021
8620350	0	0	0	-	-		
8621520	0	0	0	-	-		
8623821	0	0	0	-	-		
8625492	0	0	0	-	-		
8646286	0	0	0	-	-		
8648873	0	0	0	-	-		
8652325	0	0	0	-	-		
8671640	0	0	0	-	-		
8675158	0	0	0	-	-		
8692081	0	0	0	-	-		
8692085	0	0	0	-	-		
8699462	0	0	0	-	-		
8699466	0	0	0	-	-		
8703361	0	0	0	-	-		
8706116	0	0	0	-	-		
8710442	0	0	0	-	-		
8716227	0	0	0	-	-		
8722032	0	0	0	-	-		
8722775	0	0	0	-	-		
8727395	0	0	0	-	-		
8748200	0	0	0	-	-		
8759375	0	0	0	-	-		
8759549	0	0	0	-	-		
8771830	0	0	0	-	-		
8771849	0	0	0	-	-		
8790446	0	0	0	-	-		
8790450	0	0	0	-	-		
8800357	0	0	0	-	-		
8802198	0	0	0	-	-		
8806426	0	0	0	-	-		
8809987	0	0	0	-	-		
8832225	0	0	0	-	-		
8843229	0	0	0	-	-		
8843909	0	0	0	-	-		
8844932	0	0	0	-	-		
8868652	0	0	0	-	-		
8868660	0	0	0	-	-		
8880264	0	0	0	-	-		
8881995	0	0	0	-	-		
8899979	0	0	0	-	-		
8903543	0	0	0	-	-		
8907344	0	0	0	-	-		

CASE_ID	ACCIDENT_YEAR	PROC_DATE	JURIS	COLLISION_DATE	COLLISION_TIME	OFFICER_ID	REPORTING_DISTRICT	DAY_OF_WEEK	CHP_SHIFT	POPULATION	CNTY_CITY_LOC	SPECIAL_COND	BEAT_TYPE
8621404	2018	20180530	3100	20180419	1946	151		4	5	2	3106	0	0
8674974	2018	20181005	3100	20180729	225	167		7	5	2	3106	0	0
8706138	2018	20181008	3100	20180918	746	101		2	5	2	3106	0	0
8734755	2018	20181115	3100	20180927	1730	136	135	4	5	2	3106	0	0
8756186	2018	20190123	3100	20181126	740	101		1	5	2	3106	0	0
8756358	2018	20190123	3100	20181112	1550	245	3100	1	5	2	3106	0	0
8775249	2018	20190206	3100	20180914	242	167		5	5	2	3106	0	0
8868656	2018	20190611	3100	20190517	1242	124		5	5	2	3106	0	0
8911654	2018	20201007	3100	20200823	1953	20-7753		7	5	2	3106	0	0
8623795	2018	20180529	3100	20180430	1600	141	3100	1	5	2	3106	0	0
8809429	2018	20190402	3100	20190216	2200	245		6	5	2	3106	0	0
8854806	2018	20190603	3100	20190320	1500	186		3	5	2	3106	0	0
8912570	2019	20190911	3100	20190716	1510	101		2	5	2	3106	0	0
8912999	2019	20190823	3100	20190723	1210	101		2	5	2	3106	0	0
8926319	2019	20190829	3100	20190726	1408	124		5	5	2	3106	0	0
8936126	2019	20191116	3100	20190323	1558	148	PLACE	6	5	2	3106	0	0
8949269	2019	20191004	3100	20190903	850	101		2	5	2	3106	0	0
8949591	2019	20191009	3100	20190806	2003	66		2	5	2	3106	0	0
8955576	2019	20191017	3100	20190919	922	101		4	5	2	3106	0	0
8968327	2019	20191108	3100	20190925	1431	124		3	5	2	3106	0	0
8968856	2019	20191209	3100	20191004	1906	136		5	5	2	3106	0	0
9006390	2019	20200219	3100	20191206	1217	82		5	5	2	3106	0	0
9006398	2019	20200219	3100	20191211	930	62		3	5	2	3106	0	0
9031594	2019	20200303	3100	20200108	1730	194		3	5	2	3106	0	0
9031598	2019	20200226	3100	20200116	1509	62		4	5	2	3106	0	0
9042052	2019	20200206	3100	20191230	1405	62		1	5	2	3106	0	0
90437678	2019	20170419	9220	20170331	1550	14611		5	2	2	3106	0	1
9044283	2019	20200312	3100	20191221	1717	536249	3100	6	5	2	3106	0	0
9050041	2019	20200526	3100	20200204	1050	62		2	5	2	3106	0	0
9070733	2019	20200630	3100	20200308	1632	162	3100	7	5	2	3106	0	0
9074043	2019	20200824	3100	20200514	844	62	PLACE	4	5	2	3106	0	0
9085955	2019	20200721	3100	20200408	1300	94		3	5	2	3106	0	0
9086476	2019	20200618	3100	20200306	1505	193		5	5	2	3106	0	0
8939092	2019	20191017	3100	20190603	105	124		1	5	2	3106	0	0
8969606	2019	20200316	3100	20191016	239	138		3	5	2	3106	0	0
8976201	2019	20191120	3100	20191028	1446	101		1	5	2	3106	0	0
8976651	2019	20191209	3100	20191010	745	33		4	5	2	3106	0	0
8991973	2019	20191204	3100	20191029	1330	101		2	5	2	3106	0	0
9006394	2019	20200219	3100	20191223	1303	62		1	5	2	3106	0	0
9031736	2019	20200318	3100	20200107	1430	62		2	5	2	3106	0	0
9049728	2019	20200610	3100	20200202	1944	104		7	5	2	3106	0	0
9049943	2019	20200305	3100	20200129	1455	62		3	5	2	3106	0	0
9059110	2019	20200520	3100	20200211	1139	62		2	5	2	3106	0	0
90806869	2019	20180906	9220	20180827	1500	16031		1	2	2	3106	0	1
9094823	2020	20200727	3100	20200411	1654	193	PLACE	6	5	2	3106	0	0
9109780	2020	20200821	3100	20200520	823	62		3	5	2	3106	0	0
9116026	2020	20200926	3100	20200624	1244	62		3	5	2	3106	0	0

CASE_ID	CHP_BEAT_TYPE	CITY_DIVISION_LAPD	CHP_BEAT_CLASS	BEAT_NUMBER	PRIMARY_RD	SECONDARY_RD	DISTANCE	DIRECTION	INTERSECTION	WEATHER_1	WEATHER_2
8621404	0		0	135	TAYLOR RD	HORSESHOE BAR RD	198	N	N	A	-
8674974	0		0		HORSESHOE BAR RD	EVANS DR	528	S	N	A	-
8706138	0		0	135	BRACE RD	HIGH CLIFF RD	0		Y	A	-
8734755	0		0	00P	SIERRA COLLEGE BL	SIERRA COLLEGE BL 3901	0		Y	A	-
8756186	0		0	135	KING RD	SIERRA COLLEGE BL	0		Y	A	-
8756358	0		0	PAUL	LAIRD RD	LOOMIS HILLS RD	528	N	N	A	-
8775249	0		0	135	HORSESHOE BAR RD	EVANS DR	560	S	N	A	-
8868656	0		0		SIERRA COLLEGE BL	KING RD	0		Y	A	-
8911654	0		0	LOP	SIERRA COLLEGE BL	KING RD	1219	N	N	A	-
8623795	0		0	PAUL	SIERRA COLLEGE BL	BANKHEAD DR	400	N	N	A	-
8809429	0		0	13P	CATALPA CT	HUMPHREY RD	60	E	N	A	-
8854806	0		0	135	TAYLOR RD	KING RD	0		Y	B	C
8912570	0		0	LO-P	WEBB ST	SAUNDERS AV	0		Y	A	-
8912999	0		0	LO P	SIERRA COLLEGE BL	TAYLOR RD	400	N	N	A	-
8926319	0		0		TUDOR WY	QUARRY CT	81	E	N	A	-
8936126	0		0	LOOMIS	LAIRD RD	BRACE RD	20	E	N	A	-
8949269	0		0	LOP	BARTON RD	ROCKLIN RD	0		Y	A	-
8949591	0		0	LOOMIS	MARGARET DR	MARGARET DR 3345	0		-	A	-
8955576	0		0	LOP	TAYLOR RD	KING RD	0		Y	A	-
8968327	0		0		HORSESHOE BAR RD	CALLISON ST	42	S	N	A	-
8968856	0		0		SIERRA COLLEGE BL	TAYLOR RD	0		Y	A	-
9006390	0		0		RIPPEY RD	TAYLOR RD	0		-	A	-
9006398	0		0	PAUL	BARTON RD	ROCKLIN RD	0		Y	A	-
9031594	0		0	LO-P	RUTHERFORD CYN RD	RIDGE CT	168	N	N	A	-
9031598	0		0	LO-P	KING RD	SHERWOOD CT	358	W	N	B	C
9042052	0		0	LOP	SWETZER RD	JETTON RD	0		Y	A	-
90437678	1		2	282	I-80 E/B	HORSESHOE BAR RD	500	E	N	A	-
9044283	0		0	PAUL	5834 SAUNDERS AV	SAUNDERS AV 5834	5	N	N	A	-
9050041	0		0	LO-P	BRACE RD	BARTON RD	0		Y	A	-
9070733	0		0	PAUL	BARTON RD	WELLS AV	530	S	N	A	-
9074043	0		0	PAUL	CORWIN CT	HEBERT CT	150	W	N	B	-
9085955	0		0	PAUL	SWETZER RD	JETTON LN	2	S	N	B	-
9086476	0		0	PAUL	KING RD	BOYINGTON RD	48	W	N	A	-
8939092	0		0	LO P	SIERRA COLLEGE BL	KING RD	2348	S	N	A	-
8969606	0		0	PAUL	WEBB ST	KING RD	151	S	N	A	-
8976201	0		0	LO P	BARTON RD	WELLS AV	0		Y	A	-
8976651	0		0	LOOMIS	TAYLOR RD	KING RD	2640	E	N	A	-
8991973	0		0	LOP	TAYLOR RD	RACHEL LN	900	N	N	A	-
9006394	0		0	LO-P	SWETZER RD	JETTON LN	385	S	N	B	-
9031736	0		0	LOP	TAYLOR RD	RACHEL LN	850	N	N	A	-
9049728	0		0		HORSEHOE BAR RD	LIBRARY DR	21	N	N	-	-
9049943	0		0	LO P	TAYLOR RD	RACHEL LN	860	N	N	A	-
9059110	0		0	LO-P	BARTON RD	WELLS AV	0		Y	A	-
90806869	1		2	282	1-80 W/B OFF-RAMP TO HORSESHOE BAR RD.	HORSESHOE BAR RD	542	W	N	A	-
9094823	0		0	PAUL	SIERRA COLLEGE BL	TAYLOR RD	0		Y	A	-
9109780	0		0	PAUL	SIERRA COLLEGE BL	TAYLOR RD	745	N	N	A	-
9116026	0		0	LO-P	ANGELO CT	ENTERPRISE CT	220	E	N	A	-

CASE_ID	STATE_HWY_IND	CALTRANS_COUNTY	CALTRANS_DISTRICT	STATE_ROUTE	ROUTE_SUFFIX	POSTMILE_PREFIX	POSTMILE	LOCATION_TYPE	RAMP_INTERSECTION	SIDE_OF_HWY	TOW_AWAY	COLLISION_SEVERITY
8621404	N										Y	4
8674974	N										Y	3
8706138	N										Y	4
8734755	N										Y	3
8756186	N										Y	3
8756358	N										Y	3
8775249	N										Y	4
8868656	N										Y	3
8911654	N										Y	1
8623795	N										Y	3
8809429	N										N	0
8854806	N										Y	4
8912570	N											0
8912999	N										Y	0
8926319	N										N	0
8936126	N										N	0
8949269	N										N	0
8949591	N										Y	0
8955576	N										N	0
8968327	N										Y	0
8968856	N										N	0
9006390	N										N	0
9006398	N										N	0
9031594	N										N	0
9031598	N										Y	0
9042052	N										N	0
90437678	Y										Y	0
9044283	N										N	0
9050041	N										Y	0
9070733	N										Y	0
9074043	N										N	0
9085955	N										N	0
9086476	N										N	0
8939092	N										Y	1
8969606	N										Y	3
8976201	N										Y	4
8976651	N										Y	3
8991973	N										Y	2
9006394	N										Y	4
9031736	N										Y	2
9049728	N										Y	3
9049943	N										Y	4
9059110	N										Y	2
90806869	Y										Y	4
9094823	N										Y	0
9109780	N										Y	0
9116026	N										Y	0

CASE_ID	NUMBER_KILLED	NUMBER_INJURED	PARTY_COUNT	PRIMARY_COLL_FACTOR	PCF_CODE_OF_VIOL	PCF_VIOL_CATEGORY	PCF_VIOLATION	PCF_VIOL_SUBSECTION	HIT_AND_RUN	TYPE_OF_COLLISION	MVIW	PED_ACTION
8621404	0	1	2	A	-	8	22107		N	D	C	A
8674974	0	1	1	A	-	3	22350		N	E	I	A
8706138	0	1	1	A	-	3	22350	A	N	F	I	A
8734755	0	4	3	A	-	3	22350		N	A	C	A
8756186	0	1	1	A	-	1	23152	F	N	E	I	A
8756358	0	1	2	A	-	3	22350		N	B	C	A
8775249	0	1	1	A	-	1	23152		N	E	J	A
8868656	0	4	3	A	-	12	21453	A	N	D	C	A
8911654	1	0	2	A	-	3	22350		N	C	C	A
8623795	0	1	2	A	-	3	22350	A	N	C	C	A
8809429	0	0	2	A	-	1	23152	A	N	B	E	A
8854806	0	1	4	A	-	4	21703		N	C	C	A
8912570	0	0	2	A	-	5	21460	A	N	B	C	A
8912999	0	0	3	A	-	4	21703		N	C	C	A
8926319	0	0	2	A	-	8	22107	A	M	H	E	A
8936126	0	0	2	A	-	4	21703		M	C	C	A
8949269	0	0	2	A	-	12	22450	A	N	D	C	A
8949591	0	0	1	A	-	8	22107		N	E	I	A
8955576	0	0	2	A	-	9	21804	A	N	D	G	A
8968327	0	0	3	A	-	4	21703		N	C	C	A
8968856	0	0	2	A	-	3	22350		M	C	C	A
9006390	0	0	1	A	-	5	21650		N	E	I	A
9006398	0	0	2	A	-	8	22100	B	N	D	G	A
9031594	0	0	1	A	-	8	22107		N	E	I	A
9031598	0	0	2	A	-	9	21804	A	N	D	C	A
9042052	0	0	2	A	-	4	21703		N	C	C	A
90437678	0	0	2	A	-	7	21658	A	N	B	C	A
9044283	0	0	1	A	-	5	21650		N	E	I	A
9050041	0	0	2	A	-	12	22450	A	N	D	C	A
9070733	0	0	1	A	-	1	23152	A	N	A	I	A
9074043	0	0	2	A	-	8	22107		N	C	E	A
9085955	0	0	2	A	-	6	21755		N	C	C	A
9086476	0	0	3	A	-	9	21800	A	N	D	C	A
8939092	1	0	1	A	-	3	22350		N	E	I	A
8969606	0	1	1	A	-	1	23152	A	N	E	I	A
8976201	0	1	2	A	-	9	21802	A	N	D	C	A
8976651	0	1	3	A	-	9	21801	A	N	D	C	A
8991973	0	1	2	A	-	9	21804	A	N	D	C	A
9006394	0	1	2	A	-	9	21804	A	N	D	C	A
9031736	0	1	2	A	-	9	21804	A	N	B	C	A
9049728	0	1	2	A	-	1	23152	B	N	C	E	A
9049943	0	1	2	A	-	9	21804	A	N	B	C	A
9059110	0	1	2	A	-	1	23153	B	N	D	C	A
90806869	0	1	2	A	-	3	22350		N	E	C	A
9094823	0	0	2	A	-	12	21453	A	N	D	C	A
9109780	0	0	1	A	-	8	22107	A	N	A	I	A
9116026	0	0	4	A	-	8	22107		N	B	E	A

broadside

head on

CASE_ID	ROAD_SURFACE	ROAD_COND_1	ROAD_COND_2	LIGHTING	CONTROL_DEVICE	HP_ROAD_TYPE	PEDESTRIAN_ACCIDENT	BICYCLE_ACCIDENT	MOTORCYCLE_ACCIDENT	TRUCK_ACCIDENT	NOT_PRIVATE_PROPERTY
8621404	A	H	-	A	D	0			Y		Y
8674974	A	H	-	D	D	0			Y		Y
8706138	A	H	-	A	D	0					Y
8734755	A	H	-	A	D	0					Y
8756186	A	H	-	A	A	0					Y
8756358	A	H	-	A	D	0					Y
8775249	A	H	-	D	D	0					Y
8868656	A	H	-	A	A	0					Y
8911654	A	H	-	B	D	0			Y		Y
8623795	A	H	-	A	D	0			Y		Y
8809429	A	H	-	C	D	0					Y
8854806	B	H	-	A	A	0					Y
8912570	A	H	-	A	D	0					Y
8912999	A	H	-	A	D	0					Y
8926319	A	H	-	A	D	0					Y
8936126	A	H	-	A	A	0					Y
8949269	A	H	-	A	D	0					Y
8949591	A	H	-	B	D	0					Y
8955576	A	H	-	A	A	0		Y			Y
8968327	A	H	-	A	D	0					Y
8968856	A	H	-	B	A	0					Y
9006390	A	H	-	A	D	0					Y
9006398	B	H	-	A	D	0		Y			Y
9031594	A	H	-	B	D	0					Y
9006398	B	H	-	A	D	0		Y			Y
9031594	A	H	-	B	D	0					Y
9031598	B	H	-	A	D	0					Y
9042052	A	H	-	A	D	0					Y
90437678	A	H	-	A	D	0					Y
9044283	A	H	-	C	D	0					Y
9050041	A	H	-	A	D	0					Y
9070733	A	H	-	A	D	0					Y
9074043	A	H	-	A	D	0					Y
9085955	A	H	-	A	D	0					Y
9086476	A	H	-	A	D	0					Y
8939092	A	H	-	D	D	0					Y
8969606	A	H	-	C	D	0					Y
8976201	A	H	-	A	A	0					Y
8976651	A	H	-	A	D	0					Y
8991973	A	H	-	A	D	0					Y
9006394	A	H	-	A	D	0					Y
9031736	A	H	-	A	D	0					Y
9049728	A	H	-	-	D	0				Y	Y
9049943	A	H	-	A	D	0					Y
9059110	A	H	-	A	D	0					Y
90806869	A	H	-	A	D	0					Y
9094823	A	-	-	A	A	0					Y
9109780	A	H	-	A	D	0					Y
9116026	A	H	-	A	D	0					Y

CASE_ID	ALCOHOL_INVOLVED	STWD_VEHTYPE_AT_FAULT	CHP_VEHTYPE_AT_FAULT	COUNT_SEVERE_INJ	COUNT_VISIBLE_INJ	COUNT_COMPLAINT_PAIN	COUNT_PED_KILLED	COUNT_PED_INJURED	COUNT_BICYCLIST_KILLED
8621404		D	22	0	0	1	0	0	0
8674974		C	2	0	1	0	0	0	0
8706138		A	1	0	0	1	0	0	0
8734755		-		0	2	2	0	0	0
8756186		-		0	1	0	0	0	0
8756358		A	1	0	1	0	0	0	0
8775249	Y	-		0	0	1	0	0	0
8868656		A	7	0	4	0	0	0	0
8911654		C	2	0	0	0	0	0	0
8623795		C	2	0	1	0	0	0	0
8809429	Y	-		0	0	0	0	0	0
8854806		-		0	0	1	0	0	0
8912570		-		0	0	0	0	0	0
8912999		-		0	0	0	0	0	0
8926319		-		0	0	0	0	0	0
8936126		-		0	0	0	0	0	0
8949269		-		0	0	0	0	0	0
8949591		-		0	0	0	0	0	0
8955576		-		0	0	0	0	0	0
8968327		A	7	0	0	0	0	0	0
8968856		-		0	0	0	0	0	0
9006390		A	1	0	0	0	0	0	0
9006398		L	4	0	0	0	0	0	0
9031594		-		0	0	0	0	0	0
9031598		-		0	0	0	0	0	0
9042052		-		0	0	0	0	0	0
90437678		A	1	0	0	0	0	0	0
9044283		D	22	0	0	0	0	0	0
9050041		A	7	0	0	0	0	0	0
9070733		A	1	0	0	0	0	0	0
9074043		-		0	0	0	0	0	0
9085955		A	1	0	0	0	0	0	0
9086476		A	1	0	0	0	0	0	0
8939092		A	1	0	0	0	0	0	0
8969606	Y	-		0	1	0	0	0	0
8976201		A	1	0	0	1	0	0	0
8976651		-		0	1	0	0	0	0
8991973		-		1	0	0	0	0	0
9006394		A	1	0	0	1	0	0	0
9031736		-		1	0	0	0	0	0
9049728	Y	A	1	0	1	0	0	0	0
9049943		-		0	0	1	0	0	0
9059110	Y	-		1	0	0	0	0	0
90806869		A	1	0	0	1	0	0	0
9094823		-		0	0	0	0	0	0
9109780		A	1	0	0	0	0	0	0
9116026		-		0	0	0	0	0	0

CASE_ID	COUNT_BICYCLIST_INJURED	COUNT_MC_KILLED	COUNT_MC_INJURED	PRIMARY_RAMP	SECONDARY_RAMP	LATITUDE	LONGITUDE
8621404	0	0	1	-	-		
8674974	0	0	1	-	-		
8706138	0	0	0	-	-		
8734755	0	0	0	-	-		
8756186	0	0	0	-	-		
8756358	0	0	0	-	-		
8775249	0	0	0	-	-		
8868656	0	0	0	-	-		
8911654	0	1	0	-	-		
8623795	0	0	1	-	-	38.8149	-121.2115
8809429	0	0	0	-	-	38.8287	-121.2008
8854806	0	0	0	-	-	38.82477	-121.19139
8912570	0	0	0	-	-		
8912999	0	0	0	-	-		
8926319	0	0	0	-	-		
8936126	0	0	0	-	-		
8949269	0	0	0	-	-		
8949591	0	0	0	-	-		
8955576	0	0	0	-	-		
8968327	0	0	0	-	-		
8968856	0	0	0	-	-		
9006390	0	0	0	-	-		
9006398	0	0	0	-	-		
9031594	0	0	0	-	-		
9031598	0	0	0	-	-		
9042052	0	0	0	-	-		
90437678	0	0	0	-	-		
9044283	0	0	0	-	-		
9050041	0	0	0	-	-		
9070733	0	0	0	-	-		
9074043	0	0	0	-	-		
9085955	0	0	0	-	-		
9086476	0	0	0	-	-		
8939092	0	0	0	-	-		
8969606	0	0	0	-	-		
8976201	0	0	0	-	-		
8976651	0	0	0	-	-		
8991973	0	0	0	-	-		
9006394	0	0	0	-	-		
9031736	0	0	0	-	-		
9049728	0	0	0	-	-		
9049943	0	0	0	-	-		
9059110	0	0	0	-	-		
90806869	0	0	0	-	-	38.8163	-121.19087
9094823	0	0	0	-	-		
9109780	0	0	0	-	-		
9116026	0	0	0	-	-		

CASE_ID	ACCIDENT_YEAR	PROC_DATE	JURIS	COLLISION_DATE	COLLISION_TIME	OFFICER_ID	REPORTING_DISTRICT	DAY_OF_WEEK	CHP_SHIFT	POPULATION	CNTY_CITY_LOC	SPECIAL_COND	BEAT_TYPE
9117929	2020	20200918	3100	20200617	1504	62		3	5	2	3106	0	0
9117930	2020	20200925	3100	20200619	1205	62		5	5	2	3106	0	0
9119400	2020	20200919	3100	20200617	2134	198		3	5	2	3106	0	0
9145883	2020	20201001	3100	20200721	750	62		2	5	2	3106	0	0
9145884	2020	20201001	3100	20200720	2256	94		1	5	2	3106	0	0
9145885	2020	20201001	3100	20200725	2207	152		6	5	2	3106	0	0
9148804	2020	20201120	3100	20200901	1030	62		2	5	2	3106	0	0
9161000	2020	20201125	3100	20200905	1319	82		6	5	2	3106	0	0
9175767	2020	20201223	3100	20201010	25	84		6	5	2	3106	0	0
9087721	2020	20200706	3100	20200304	800	94		3	5	2	3106	0	0
9137551	2020	20200930	3100	20200801	1735	152		6	5	2	3106	0	0
9164821	2020	20201205	3100	20200913	1750	62		7	5	2	3106	0	0
90887401	2020	20181220	9220	20181212	1445	15042		3	2	2	3106	0	1
91119711	2020	20191113	9220	20191111	1025	15197		1	1	2	3106	0	1
91268384	2020	20200714	9220	20200707	1609	17027		2	2	2	3106	0	1
91275613	2020	20200728	9220	20200721	1455	17027		2	2	2	3106	0	1
9175768	2021	20201223	3100	20201016	1618	62		5	5	2	3106	0	0
9178787	2021	20201219	3100	20201013	1020	135	3100	2	5	2	3106	0	0
9200658	2021	20210125	3100	20201104	1545	172		3	5	2	3106	0	0
9200883	2021	20210302	3100	20201210	1537	62		4	5	2	3106	0	0
9206309	2021	20210317	3100	20210125	117	173	3100	1	5	2	3106	0	0
9214321	2021	20210305	3100	20201231	1605	533578	3100	4	5	2	3106	0	0
9228319	2021	20210329	3100	20210206	1456	206		6	5	2	3106	0	0
9228320	2021	20210329	3100	20210208	1215	161		1	5	2	3106	0	0
9239601	2021	20210327	3100	20210211	1615	211		4	5	2	3106	0	0
9239602	2021	20210327	3100	20210204	1555	62		4	5	2	3106	0	0
9243317	2021	20210415	3100	20210302	2500	206		2	5	2	3106	0	0
9247966	2021	20210408	3100	20210217	1030	62		3	5	2	3106	0	0
9247967	2021	20210409	3100	20210225	1105	62		4	5	2	3106	0	0
9251484	2021	20210430	3100	20210405	1706	216	PLACE	1	5	2	3106	0	0
9252517	2021	20210416	3100	20210322	951	1616		1	5	2	3106	0	0
9264761	2021	20210520	3100	20210417	203	169	LOOMI	6	5	2	3106	0	0
9271141	2021	20210611	3100	20210507	1553	62		5	5	2	3106	0	0
9271180	2021	20210610	3100	20210517	620	62		1	5	2	3106	0	0
9274949	2021	20210712	3100	20210615	1316	62		2	5	2	3106	0	0
9274950	2021	20210712	3100	20210609	756	62		3	5	2	3106	0	0
9275468	2021	20210706	3100	20210302	1646	35		2	5	2	3106	0	0
9286218	2021	20210709	3100	20210213	346	159	PAUL	6	5	2	3106	0	0
9290221	2021	20210908	3100	20210706	1159	62		2	5	2	3106	0	0
9314541	2021	20210902	3100	20210613	1914	206		7	5	2	3106	0	0
9316901	2021	20210923	3100	20210709	2101	120	PLACE	5	5	2	3106	0	0
9316902	2021	20210927	3100	20210715	1345	215	PLACE	4	5	2	3106	0	0
9316903	2021	20210922	3100	20210722	2007	128	PAUL	4	5	2	3106	0	0
9317701	2021	20210921	3100	20210702	1215	21-6460	3100	5	5	2	3106	0	0
9365950	2021	20211204	3100	20211001	822	133		5	5	2	3106	0	0
9365951	2021	20211204	3100	20211024	1544	35		7	5	2	3106	0	0
9365952	2021	20211204	3100	20211020	2150	35	ROSEV	3	5	2	3106	0	0

CASE_ID	CHP_BEAT_TYPE	CITY_DIVISION_LAPD	CHP_BEAT_CLASS	BEAT_NUMBER	PRIMARY_RD	SECONDARY_RD	DISTANCE	DIRECTION	INTERSECTION	WEATHER_1	WEATHER_2
9117929	0		0	LOP	SIERRA COLLEGE BL	TAYLOR RD	560	N	N	A	-
9117930	0		0	LOP	SIERRA COLLEGE BL	KING RD	0		Y	A	-
9119400	0		0		HORSESHOE BAR RD	LIBRARY DR	40	S	N	A	-
9145883	0		0	LO-P	KING RD	SIERRA COLLEGE BL	0		Y	A	-
9145884	0		0		HORSESHOE BAR RD	OAK TREE LN	100	E	N	A	-
9145885	0		0		WEBB ST	TAYLOR RD	265	N	N	A	-
9148804	0		0	LOOMIS	SIERRA COLLEGE BL	TAYLOR RD	890	N	N	A	-
9161000	0		0	PLACER	TAYLOR RD	LEMOS RANCH RD	903	W	N	A	-
9175767	0		0	LOP	TAYLOR RD	HORSESHOE BAR RAD	0		Y	A	-
9087721	0		0	PAUL	SIERRA COLLEGE BL	KING RD	1073	N	N	A	-
9137551	0		0		ARCADIA AV	SPARAS ST	166	N	N	A	-
9164821	0		0	LOP	HORSESHOE BAR RD	EVANS DR	520	S	N	A	-
90887401	1		2	282	I-80 E/B HORSESHOE BAR OFF RAMP	HORSESHOE BAR RD.	12	W	N	A	-
91119711	1		2	282	I-80 E/B TO HORSESHOE BAR RD	HORSESHOE BAR RD	150	E	N	A	-
91268384	1		2	282	I-80 E/B TO HORSESHOE BAR ROAD	HORSESHOE BAR RD	8	E	N	A	-
91275613	1		2	282	I-80 W/B	HORSESHOE BAR RD	200	W	N	A	-
9175768	0		0	LOP	SIERRA COLLEGE BL	KING RD	363	S	N	A	-
9178787	0		0	LOP	SIERRA COLLEGE BL	TAYLOR RD INTER	150	N	-	A	-
9200658	0		0		KING RD	SWETZER RD	36	E	N	A	-
9200883	0		0	LO-P	SWEZER RD	KEY CT	260	N	N	A	-
9206309	0		0	PAUL	BARTON RD	BART0N RD 5325	0		Y	C	-
9214321	0		0	PAUL	HORSESHOE BAR RD	RT 80	0		Y	B	-
9228319	0		0	LOP	TAYLOR RD	BRACE RD	0		Y	A	-
9228320	0		0	PAUL	BRACE RD	HUNTER OAKS LN	0		Y	A	-
9239601	0		0		TAYLOR RD	KING RD	565	S	-	B	C
9239602	0		0	LOP	KING RD	SWETZER RD	147	W	N	A	-
9243317	0		0	LOP	HORSESHOE BAR RD	HORSESHOE BAR RD 5755	0		N	A	-
9247966	0		0	LO-P	SUN KNOLL DR	THORNWOOD DR	333	S	N	A	-
9247967	0		0	LO-P	TAYLOR RD	SIERRA COLLEGE BL	89	W	N	A	-
9251484	0		0	PAUL	LAIRD RD	LAIRD RD 4200	0		-	A	-
9252517	0		0	PAUL	SAUNDERS AV	MCALLEN DR	288	N	N	A	-
9264761	0		0	LOOMIS	HORSESHOE BAR RD	LIBRARY DR	0		Y	A	-
9271141	0		0	LO-P	BRACE RD	HUNTER OAKS LN	122	W	N	A	-
9271180	0		0	LO-P	SIERRA COLLEGE BL	KING RD	2130	S	N	A	-
9274949	0		0	LOP	BOYINGTON RD	CHISOM TRL	360	S	N	A	-
9274950	0		0	LOP	SWETZER RD	KING RD	0	N	N	A	-
9275468	0		0	135	BRACE RD	BARTON RD	0		Y	A	-
9286218	0		0		DEL MAR AV	DEL MAR AV 3547	0		Y	C	-
9290221	0		0	LO-P	RUTHERFORD CANYON RD	LAIRD RD	753	W	N	A	-
9314541	0		0	LOP	TAYLOR RD	SIERRA COLLEGE BL	52	E	N	A	-
9316901	0		0	LOOMIS	TAYLOR DR	CIRCLE DR	225	W	N	A	-
9316902	0		0	PAUL	HORSESHOE RD	EVANS DR	5	W	N	A	-
9316903	0		0	PAUL	SIERRA COLLEGE BL	TAYLOR RD	100	N	N	A	-
9317701	0		0		SIERRA COLLEGE BL	BRACE RD	0		Y	A	-
9365950	0		0	PAUL	KING RD	TAYLOR RD	7	S	N	A	-
9365951	0		0	135	KING RD	BOYINGTON RD	0		Y	C	-
9365952	0		0	0B5	TAYLOR RD	TAYLOR RD 3725	0		Y	B	-

CASE_ID	STATE_HWY_IND	CALTRANS_COUNTY	CALTRANS_DISTRICT	STATE_ROUTE	ROUTE_SUFFIX	POSTMILE_PREFIX	POSTMILE	LOCATION_TYPE	RAMP_INTERSECTION	SIDE_OF_HWY	TOW_AWAY	COLLISION_SEVERITY
9117929	N										N	0
9117930	N										Y	0
9119400	N										Y	0
9145883	N										Y	0
9145884	N										Y	0
9145885	N										N	0
9148804	N										N	0
9161000	N										Y	0
9175767	N										N	0
9087721	N										Y	3
9137551	N										N	3
9164821	N										Y	2
90887401	Y										N	0
91119711	Y										Y	0
91268384	Y										N	0
91275613	Y										Y	0
9175768	N										Y	0
9178787	N										N	0
9200658	N										Y	0
9200883	N										Y	0
9206309	N										Y	3
9214321	N											0
9228319	N										N	0
9228320	N										N	0
9239601	N										N	0
9239602	N										N	0
9243317	N										N	0
9247966	N										N	0
9247967	N										N	0
9251484	N										N	0
9252517	N										N	0
9264761	N										Y	0
9271141	N										Y	0
9271180	N										Y	0
9274949	N										Y	0
9274950	N										Y	0
9275468	N										Y	0
9286218	N										Y	0
9290221	N										N	0
9314541	N										Y	0
9316901	N										N	0
9316902	N										Y	0
9316903	N										N	0
9317701	N										N	0
9365950	N										N	0
9365951	N										Y	0
9365952	N										Y	0

CASE_ID	NUMBER_KILLED	NUMBER_INJURED	PARTY_COUNT	PRIMARY_COLL_FACTOR	PCF_CODE_OF_VIOL	PCF_VIOL_CATEGORY	PCF_VIOLATION	PCF_VIOL_SUBSECTION	HIT_AND_RUN	TYPE_OF_COLLISION	MVIW	PED_ACTION
9117929	0	0	2	A	-	6	21754		N	B	C	A
9117930	0	0	2	A	-	8	22107		N	A	C	A
9119400	0	0	1	-	-	-		B	N	E	I	A
9145883	0	0	2	A	-	21	22106		N	D	C	A
9145884	0	0	1	A	-	3	22350	A	N	E	I	A
9145885	0	0	1	A	-	3	22350		N	E	I	A
9148804	0	0	2	A	-	5	21460	A	M	B	C	A
9161000	0	0	1	A	-	8	22107		N	E	I	A
9175767	0	0	1	A	-	1	23152	B	M	E	J	A
9087721	0	1	2	A	-	4	21703		N	C	C	A
9137551	0	1	2	A	-	0	21945	A	N	G	B	E
9164821	0	2	1	A	-	1	23153	A	N	E	I	A
90887401	0	0	2	A	-	3	22350		N	C	C	A
91119711	0	0	1	A	-	3	22350		N	F	A	A
91268384	0	0	2	A	-	21	22106		N	C	C	A
91275613	0	0	2	C	-	18			N	E	J	A
9175768	0	0	2	A	-	1	23152	B	N	C	C	A
9178787	0	0	2	A	-	4	21703		N	C	C	A
9200658	0	0	2	A	-	4	21703		N	C	C	A
9200883	0	0	3	A	-	8	22107		N	B	E	A
9206309	0	1	1	A	-	-			N	E	I	A
9214321	0	0	2	A	-	12	21453	A	N	D	C	A
9228319	0	0	2	A	-	6	21755	A	M	B	C	A
9228320	0	0	2	A	-	7	21658		M	A	C	A
9239601	0	0	2	-	-	-			M	B	E	A
9239602	0	0	2	A	-	8	22100	B	N	B	C	A
9243317	0	0	2	D	-	0			M	E	E	A
9247966	0	0	4	A	-	21	22106		N	B	E	A
9247967	0	0	3	A	-	3	22350		N	C	C	A
9251484	0	0	2	A	-	8	22107		N	-	C	A
9252517	0	0	1	D	-	0			M	A	I	A
9264761	0	0	3	A	-	1	23152	A	N	D	E	A
9271141	0	0	1	A	-	1	23152	B	N	E	I	A
9271180	0	0	1	A	-	1	23152	B	N	F	I	A
9274949	0	0	1	A	-	8	22107		N	F	I	A
9274950	0	0	6	A	-	8	22107		N	C	E	A
9275468	0	0	2	A	-	9	21801		N	D	C	A
9286218	0	0	1	A	-	0	20002		N	E	I	A
9290221	0	0	1	A	-	8	22107		N	E	I	A
9314541	0	0	2	A	-	3	22350		N	B	C	A
9316901	0	0	1	A	-	8	22107		N	E	I	A
9316902	0	0	2	-	-	-			N	C	C	A
9316903	0	0	2	A	-	6	21750	A	N	B	C	A
9317701	0	0	2	A	-	3	22350		N	C	C	A
9365950	0	0	3	A	-	10	21950	A	N	G	B	B
9365951	0	0	2	A	-	3	22350		N	C	C	A
9365952	0	0	1	A	-	5	21650		N	E	I	A

hit object

CASE_ID	ROAD_SURFACE	ROAD_COND_1	ROAD_COND_2	LIGHTING	CONTROL_DEVICE	HP_ROAD_TYPE	PEDESTRIAN_ACCIDENT	BICYCLE_ACCIDENT	MOTORCYCLE_ACCIDENT	TRUCK_ACCIDENT	NOT_PRIVATE_PROPERTY
9117929	A	H	-	A	D	0					Y
9117930	A	H	-	A	A	0					Y
9119400	A	H	-	C	D	0					Y
9145883	A	H	-	A	A	0					Y
9145884	A	H	-	D	D	0					Y
9145885	A	H	-	C	A	0					Y
9148804	A	H	-	A	D	0					Y
9161000	A	H	-	A	D	0					Y
9175767	A	H	-	C	A	0					Y
9087721	A	H	-	A	D	0			Y		Y
9137551	A	H	-	A	D	0	Y				Y
9164821	A	H	-	B	D	0					Y
90887401	A	H	-	A	A	0					Y
91119711	A	H	-	A	D	0			Y		Y
91268384	A	H	-	A	D	0					Y
91275613	A	H	-	A	D	0					Y
9175768	A	H	-	A	A	0					Y
9178787	A	H	-	A	A	0			Y		Y
9200658	A	H	-	A	A	0					Y
9200883	A	H	-	B	D	0					Y
9206309	B	H	-	D	A	0					Y
9214321	A	H	-	A	A	0					Y
9228319	A	H	-	A	D	0					Y
9228320	A	H	-	A	D	0					Y
9239601	B	H	-	A	D	0					Y
9239602	A	H	-	A	D	0					Y
9243317	A	H	-	C	D	0					Y
9247966	A	H	-	A	D	0					Y
9247967	A	H	-	A	A	0					Y
9251484	A	H	-	A	D	0					Y
9252517	A	H	-	B	D	0					Y
9264761	A	H	-	C	D	0					Y
9271141	A	H	-	A	D	0					Y
9271180	A	H	-	B	D	0					Y
9274949	A	H	-	A	D	0					Y
9274950	A	H	-	A	D	0					Y
9275468	A	H	-	A	A	0					Y
9286218	B	H	-	D	D	0					Y
9290221	A	H	-	A	D	0					Y
9314541	A	H	-	A	A	0					Y
9316901	A	H	-	C	D	0					Y
9316902	A	H	-	A	D	0					Y
9316903	A	H	-	B	D	0					Y
9317701	A	H	-	A	A	0					Y
9365950	A	H	-	A	A	0	Y				Y
9365951	B	H	-	A	D	0					Y
9365952	B	H	-	C	D	0					Y

CASE_ID	ALCOHOL_INVOLVED	STWD_VEHTYPE_AT_FAULT	CHP_VEHTYPE_AT_FAULT	COUNT_SEVERE_INJ	COUNT_VISIBLE_INJ	COUNT_COMPLAINT_PAIN	COUNT_PED_KILLED	COUNT_PED_INJURED	COUNT_BICYCLIST_KILLED
9117929		-		0	0	0	0	0	0
9117930		-		0	0	0	0	0	0
9119400	Y	-		0	0	0	0	0	0
9145883		-		0	0	0	0	0	0
9145884		-		0	0	0	0	0	0
9145885		-		0	0	0	0	0	0
9148804		-		0	0	0	0	0	0
9161000		A	1	0	0	0	0	0	0
9175767	Y	-	-	0	0	0	0	0	0
9087721		C	2	0	1	0	0	0	0
9137551	Y	N	60	0	1	0	0	1	0
9164821	Y	A	7	2	0	0	0	0	0
90887401		D	22	0	0	0	0	0	0
91119711		C	2	0	0	0	0	0	0
91268384		A	1	0	0	0	0	0	0
91275613		-	-	0	0	0	0	0	0
9175768	Y	-		0	0	0	0	0	0
9178787		-	-	0	0	0	0	0	0
9200658		-		0	0	0	0	0	0
9200883		-		0	0	0	0	0	0
9206309		A	1	0	1	0	0	0	0
9214321		-		0	0	0	0	0	0
9228319		-		0	0	0	0	0	0
9228320	Y	A	1	0	0	0	0	0	0
9239601		-	-	0	0	0	0	0	0
9239602		-		0	0	0	0	0	0
9243317		-	-	0	0	0	0	0	0
9247966		-		0	0	0	0	0	0
9247967		-		0	0	0	0	0	0
9251484		-		0	0	0	0	0	0
9252517		-	-	0	0	0	0	0	0
9264761	Y	A	1	0	0	0	0	0	0
9271141	Y	-		0	0	0	0	0	0
9271180	Y	-		0	0	0	0	0	0
9274949		-		0	0	0	0	0	0
9274950		-		0	0	0	0	0	0
9275468		-		0	0	0	0	0	0
9286218		A	7	0	0	0	0	0	0
9290221		-		0	0	0	0	0	0
9314541		-		0	0	0	0	0	0
9316901		-		0	0	0	0	0	0
9316902		-		0	0	0	0	0	0
9316903		-		0	0	0	0	0	0
9317701		-		0	0	0	0	0	0
9365950		A	1	0	0	0	0	0	0
9365951		-		0	0	0	0	0	0
9365952	Y	-		0	0	0	0	0	0

CASE_ID	COUNT_BICYCLIST_INJURED	COUNT_MC_KILLED	COUNT_MC_INJURED	PRIMARY_RAMP	SECONDARY_RAMP	LATITUDE	LONGITUDE
9117929	0	0	0	-	-		
9117930	0	0	0	-	-		
9119400	0	0	0	-	-		
9145883	0	0	0	-	-		
9145884	0	0	0	-	-		
9145885	0	0	0	-	-		
9148804	0	0	0	-	-		
9161000	0	0	0	-	-		
9175767	0	0	0	-	-		
9087721	0	0	1	-	-		
9137551	0	0	0	-	-		
9164821	0	0	0	-	-		
90887401	0	0	0	-	-	38.81586	-121.18813
91119711	0	0	0	-	-	38.81696	-121.18702
91268384	0	0	0	-	-	38.81602	-121.18829
91275613	0	0	0	-	-	38.81634	-121.18989
9175768	0	0	0	-	-		
9178787	0	0	0	-	-		
9200658	0	0	0	-	-		
9200883	0	0	0	-	-		
9206309	0	0	0	-	-		
9214321	0	0	0	-	WO		
9228319	0	0	0	-	-		
9228320	0	0	0	-	-		
9239601	0	0	0	-	-		
9239602	0	0	0	-	-		
9243317	0	0	0	-	-		
9247966	0	0	0	-	-		
9247967	0	0	0	-	-		
9251484	0	0	0	-	-		
9252517	0	0	0	-	-		
9264761	0	0	0	-	-		
9271141	0	0	0	-	-		
9271180	0	0	0	-	-		
9274949	0	0	0	-	-		
9274950	0	0	0	-	-		
9275468	0	0	0	-	-		
9286218	0	0	0	-	-		
9290221	0	0	0	-	-		
9314541	0	0	0	-	-		
9316901	0	0	0	-	-		
9316902	0	0	0	-	-		
9316903	0	0	0	-	-		
9317701	0	0	0	-	-		
9365950	0	0	0	-	-		
9365951	0	0	0	-	-		
9365952	0	0	0	-	-		

CASE_ID	ACCIDENT_YEAR	PROC_DATE	JURIS	COLLISION_DATE	COLLISION_TIME	OFFICER_ID	REPORTING_DISTRICT	DAY_OF_WEEK	CHP_SHIFT	POPULATION	CNTY_CITY_LOC	SPECIAL_COND	BEAT_TYPE
9366046	2021	20211118	3100	20210927	1608	94		1	5	2	3106	0	0
9368478	2021	20211215	3100	20211104	1500	226		4	5	2	3106	0	0
9377595	2021	20220114	3100	20211116	2039	230	LOOMI	2	5	2	3106	0	0
9377596	2021	20220104	3100	20211110	1515	226		3	5	2	3106	0	0
9178171	2021	20210203	3100	20201114	2345	171		6	5	2	3106	0	0
9193268	2021	20201214	3100	20201029	558	2		4	5	2	3106	0	0
9206308	2021	20210317	3100	20210113	655	62		3	5	2	3106	0	0
9228240	2021	20210324	3100	20210209	1515	62		2	5	2	3106	0	0
9243188	2021	20210416	3100	20210304	1449	206		4	5	2	3106	0	0
9248045	2021	20210415	3100	20210220	1516	206		6	5	2	3106	0	0
9268498	2021	20210615	3100	20210517	1512	62		1	5	2	3106	0	0
9314601	2021	20210827	3100	20210708	1047	62		4	5	2	3106	0	0
9314602	2021	20210827	3100	20210701	1735	214	PLACE	4	5	2	3106	0	0
9316399	2021	20211005	3100	20210817	1155	82		2	5	2	3106	0	0
9349047	2021	20211018	3100	20210826	814	82		4	5	2	3106	0	0
9351563	2021	20211203	3100	20211030	1339	183		6	5	2	3106	0	0
9386502	2021	20220107	3100	20211214	640	229	SPS	2	5	2	3106	0	0
9341901	2021	20211021	3100	20210819	1152	142	PLACE	4	5	2	3106	0	0
9349010	2021	20211021	3100	20210819	2043	142	PLACE	4	5	2	3106	0	0
9377594	2021	20220104	3100	20211112	2116	227	PCSO	5	5	2	3106	0	0
9387001	2021	20220111	3100	20211130	840	94		2	5	2	3106	0	0
9392369	2021	20220304	3100	20210915	1934	141		3	5	2	3106	0	0

CASE_ID	CHP_BEAT_TYPE	CITY_DIVISION_LAPD	CHP_BEAT_CLASS	BEAT_NUMBER	PRIMARY_RD	SECONDARY_RD	DISTANCE	DIRECTION	INTERSECTION	WEATHER_1	WEATHER_2
9366046	0		0		WELLS AV	WELLS AV 6316	0		Y	A	-
9368478	0		0	PAUL	TAYLOR RD	LEMOS RANCH DR	1580	S	N	A	-
9377595	0		0	LOOMIS	BARTON RD	ROCKLIN RD	0		Y	E	-
9377596	0		0	PAUL	5911 KING RD	KING RD 5911	42	S	N	A	-
9178171	0		0	PAUL	MONTE CLAIRE LN	ROCKLIN RD	2481	S	N	A	-
9193268	0		0	LO P	LAIRD RD	HORSESHOE BAR RD	867	E	N	A	-
9206308	0		0	LOP	SWETZER RD	KING RD	0		Y	A	-
9228240	0		0	LO-P	SIERRA COLLEGE BL	TAYLOR RD	0		Y	A	-
9243188	0		0	LOP	SWETZER RD	KEY CT	259	S	N	A	-
9248045	0		0	LO-P	HORSESHOE BAR RD	I-80 E	0		Y	A	-
9268498	0		0	LO P	KING RD	BOYINGTON RD	0		Y	A	-
9314601	0		0	LO-P	TAYLOR RD	WALNUT ST	75	N	N	A	-
9314602	0		0	PAUL	KING RD	LOS FLORES RD	40		N	A	-
9316399	0		0		SWETZER RD	KEY CT	160	N	N	A	-
9349047	0		0		KING RD	ARCADIA AV	111	E	N	A	-
9351563	0		0	PAU	KING RD	BANKHEAD RD	300	W	N	A	-
9386502	0		0	PAUL	SIERRA COLLEGE BL	BRACE RD	0		Y	B	-
9341901	0		0	LOOMIS	HORSESHOE BAR	WALNUT	0		Y	A	-
9349010	0		0	PAUL	MONTE CLAIRE LN	MONTE CLAIRE LN 5640	0		N	A	-
9377594	0		0	PAUL	HORSESHOE BAR RD	LAIRD RD	400	W	N	E	-
9387001	0		0		KING RD	TAYLOR RD	0		N	A	F
9392369	0		0	PAUL	HORSESHOE BAR RD	CALIFORNIA CT	409	W	N	A	-

CASE_ID	STATE_HWY_IND	CALTRANS_COUNTY	CALTRANS_DISTRICT	STATE_ROUTE	ROUTE_SUFFIX	POSTMILE_PREFIX	POSTMILE	LOCATION_TYPE	RAMP_INTERSECTION	SIDE_OF_HWY	TOW_AWAY	COLLISION_SEVERITY
9366046	N										Y	0
9368478	N										Y	0
9377595	N										Y	0
9377596	N										Y	0
9178171	N										Y	3
9193268	N										Y	2
9206308	N										N	2
9228240	N										N	4
9243188	N										Y	2
9248045	N										Y	4
9268498	N										Y	3
9314601	N										Y	3
9314602	N										N	3
9316399	N										N	3
9349047	N										N	4
9351563	N										Y	4
9386502	N										Y	4
9341901	N										N	3
9349010	N										Y	0
9377594	N										Y	0
9387001	N										Y	0
9392369	N										N	0

CASE_ID	NUMBER_KILLED	NUMBER_INJURED	PARTY_COUNT	PRIMARY_COLL_FACTOR	PCF_CODE_OF_VIOL	PCF_VIOL_CATEGORY	PCF_VIOLATION	PCF_VIOL_SUBSECTION	HIT_AND_RUN	TYPE_OF_COLLISION	MVIW	PED_ACTION
9366046	0	0	2	A	-	3	22350		N	C	C	A
9368478	0	0	3	A	-	3	22350		N	C	C	A
9377595	0	0	2	A	-	12	22450		N	D	C	A
9377596	0	0	1	A	-	1	23152	A	N	E	I	A
9178171	0	1	1	A	-	1	23152	A	M	A	I	A
9193268	0	1	1	A	-	3	22350		N	E	I	A
9206308	0	1	2	A	-	10	21950	A	N	G	B	B
9228240	0	3	3	A	-	8	22107		N	D	C	A
9243188	0	2	2	A	-	5	21651	B	N	A	C	A
9248045	0	1	2	A	-	4	21703		N	C	C	A
9268498	0	1	2	A	-	8	22107		N	D	C	A
9314601	0	1	2	A	-	8	22102		N	D	C	A
9314602	0	2	2	A	-	3	22350		N	D	C	A
9316399	0	1	2	A	-	3	22350		N	G	B	E
9349047	0	1	2	A	-	5	21202	A	N	H	G	A
9351563	0	2	2	A	-	3	22350		N	B	C	A
9386502	0	1	2	A	-	0	21801	D	N	-	C	A
9341901	0	1	2	A	-	9	21804	A	N	D	D	A
9349010	0	0	1	A	-	1	23152	B	N	E	I	A
9377594	0	0	1	A	-	0	22335		N	E	I	A
9387001	0	0	1	D	-	0			N	E	I	A
9392369	0	0	1	A	-	21	22106		N	E	I	A

broadside

CASE_ID	ROAD_SURFACE	ROAD_COND_1	ROAD_COND_2	LIGHTING	CONTROL_DEVICE	HP_ROAD_TYPE	PEDESTRIAN_ACCIDENT	BICYCLE_ACCIDENT	MOTORCYCLE_ACCIDENT	TRUCK_ACCIDENT	NOT_PRIVATE_PROPERTY
9366046	A	H	-	A	D	0					Y
9368478	A	H	-	A	D	0					Y
9377595	A	H	-	D	A	0					Y
9377596	A	H	-	A	A	0					Y
9178171	A	H	-	D	D	0					Y
9193268	A	H	-	D	D	0					Y
9206308	A	H	-	B	A	0	Y				Y
9228240	A	H	-	A	A	0					Y
9243188	A	H	-	A	D	0			Y		Y
9248045	A	H	-	A	D	0					Y
9268498	A	H	-	A	D	0					Y
9314601	A	H	-	A	D	0					Y
9314602	A	H	-	A	D	0					Y
9316399	A	H	-	A	D	0	Y				Y
9349047	A	H	-	A	D	0		Y			Y
9351563	A	H	-	A	D	0					Y
9386502	B	H	-	E	B	0					Y
9341901	A	H	-	A	D	0			Y		Y
9349010	A	H	-	B	-	0					Y
9377594	A	H	-	D	D	0					Y
9387001	A	H	-	A	D	0					Y
9392369	A	H	-	D	D	0					Y

CASE_ID	ALCOHOL_INVOLVED	STWD_VEHTYPE_AT_FAULT	CHP_VEHTYPE_AT_FAULT	COUNT_SEVERE_INJ	COUNT_VISIBLE_INJ	COUNT_COMPLAINT_PAIN	COUNT_PED_KILLED	COUNT_PED_INJURED	COUNT_BICYCLIST_KILLED
9366046		A	7	0	0	0	0	0	0
9368478		A	1	0	0	0	0	0	0
9377595		-		0	0	0	0	0	0
9377596	Y	A	7	0	0	0	0	0	0
9178171	Y	D	22	0	1	0	0	0	0
9193268		A	1	1	0	0	0	0	0
9206308		-		1	0	0	0	1	0
9228240		-		0	0	3	0	0	0
9243188		C	2	1	0	1	0	0	0
9248045		-		0	0	1	0	0	0
9268498		A	1	0	1	0	0	0	0
9314601		-		0	1	0	0	0	0
9314602		A	1	0	2	0	0	0	0
9316399		A	7	0	1	0	0	1	0
9349047		L	4	0	0	1	0	0	0
9351563		D	22	0	0	2	0	0	0
9386502		D	22	0	0	1	0	0	0
9341901		A	7	0	1	0	0	0	0
9349010	Y	A	1	0	0	0	0	0	0
9377594		-		0	0	0	0	0	0
9387001		-	-	0	0	0	0	0	0
9392369		-		0	0	0	0	0	0

CASE_ID	COUNT_BICYCLIST_INJURED	COUNT_MC_KILLED	COUNT_MC_INJURED	PRIMARY_RAMP	SECONDARY_RAMP	LATITUDE	LONGITUDE
9366046	0	0	0	-	-		
9368478	0	0	0	-	-		
9377595	0	0	0	-	-		
9377596	0	0	0	-	-		
9178171	0	0	0	-	-		
9193268	0	0	0	-	-		
9206308	0	0	0	-	-		
9228240	0	0	0	-	-		
9243188	0	0	1	-	-		
9248045	0	0	0	-	-		
9268498	0	0	0	-	-		
9314601	0	0	0	-	-		
9314602	0	0	0	-	-		
9316399	0	0	0	-	-		
9349047	1	0	0	-	-		
9351563	0	0	0	-	-		
9386502	0	0	0	-	-		
9341901	0	0	1	-	-	38.8204	-121.19446
9349010	0	0	0	-	-	38.78302	-121.20048
9377594	0	0	0	-	-	38.81127	-121.18397
9387001	0	0	0	-	-	38.82504	-121.19151
9392369	0	0	0	-	-	38.82143	-121.19353

Attachment E

Placer County VMT Evaluation Tool Report

Placer County VMT Evaluation Tool Report

Project Details

Timestamp of Analysis: May 13, 2025, 04:55:29 PM

Project Name: Loomis The Reserve

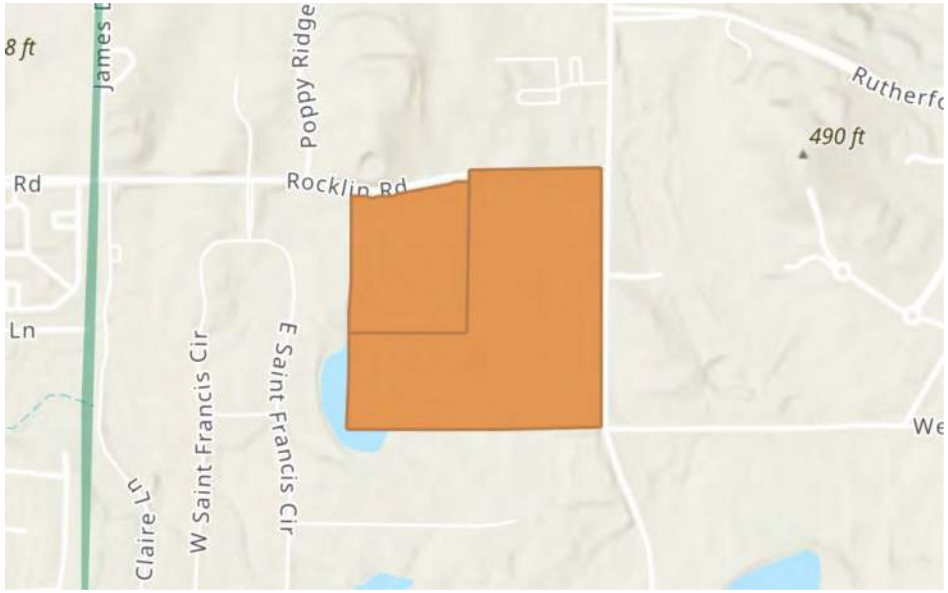
Project Description: 20 single family detached housing units

Project Location

Jurisdiction:
Town of Loomis

APN	TAZ
045-161-018-000	1536
045-161-020-000	1536

Inside a TPA?
No (Fail)



Analysis Details

Data Version: Sacramento Activity-Based Travel Simulation Model - SACSIM19

Analysis Methodology: TAZ

Baseline Year: 2025

Project Land Use

Residential:

Single Family DU:	20
Multifamily DU:	
Total DUs:	20

Non-Residential:

OKce bSF:

Industrial bSF:

Residential Affordaxility (percent of all units):

E%tremely Low Income:	0 k
Very Low Income:	0 k
Low Income:	0 k

ParHing:

Motor Vehicle ParHing:

Bicycle ParHing:

Residential Vehicle Miles Traveled (VMT) Screening Results

Land Use Type 1:	Residential
VMT Metric 1:	.ousehold VM T per Resident
VMT Baseline Description 1:	Town Average
VMT Baseline Value 1:	22W53
VMT Threshold Description 1:	-15k

	Project Area	&ith Pr oject G All VMT Reductions
Project Generated Vehicle Miles Traveled (VMT) Rate	23W03	23W03
Is VMT Below Threshold?	No (Fail)	No (Fail)

