Appendix F

Hazard and Hazard Materials Reports

F1

Phase I and Phase II Environmental Site Assessments

GeoSolve, Inc.®
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Project No. 2021-26
January 20, 2022

Mr. David Jacobson, CFA
Vice President of Land Acquisition
Encore Liberty II, LLC
770 Tamalpais Drive, Site 401B
Corte Madera, California 94925

Subject: **PHASE II ENVIRONMENTAL SITE ASSESSMENT**
Brann Property - 6.92 Acres
APN 0048-110-100 and 0048-110-490
7983, 7985, 7987, and 7989 Highway 12
Rio Vista, California

Reference: 1) Phase I Environmental Site Assessment at 7983, 7985, 7987, and 7989 Highway 12, Rio Vista, California
By ***GeoSolve, Inc.***
Dated October 21, 2021

Dear Mr. Jacobson:

At your request, ***GeoSolve, Inc.*** presents our Phase II Environmental Site Assessment (ESA) for the above referenced site. The subject property is located at 7983, 7985, 7987, and 7989 Highway 12 in Rio Vista, California, with Assessor's Parcel Numbers (APNs) 0048-110-100 and 0048-110-490, and is occupied by the former Brann Family Farm, which encompasses approximately 6.92-acres of land.

Based on the Phase I ESA prepared by ***GeoSolve, Inc.*** (Reference 1), the following was concluded:

- RECs for the subject site include the following: 1) volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and metals maybe present beneath the shop building in surficial soil; 2) potential residual arsenic and organochlorine pesticides in shallow soil from historical agricultural use; 3) potential for asbestos containing materials (ACM) and lead-based paint (LBP) on and within the structures at the site; and 4) potential for lead in the surficial soil due to potential lead-based paint on the structures and burned residence on the northern portion of the property.

This Phase II ESA focused on the former shop and surrounding area of the site as REC 1. Evaluation of ACMs, LBP, and shallow soil samples will be performed by another consultant and/or at a later date at the site.

The purpose of this work was to evaluate the lateral and vertical extents of potential VOCs in shallow soil-gas, and VOCs, PCBs, and CAM 17 metals in the soil beneath the former shop area. This work was performed in accordance with our signed Proposal No. 21-57 dated December 10, 2021.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Prior to commencement of fieldwork, the proposed boring locations were outlined in white paint and underground service alert (USA) was contacted at least 48-hours before drilling to clear the underground utilities. Furthermore, a site-specific health and safety plan (H&SP) was prepared for site work.

Subsurface Soil Sampling Activities

On January 7, 2022, a ***GeoSolve, Inc.*** field geologist observed Penecore Drilling, Inc. of Woodland, California, advance six (6) borings (B-1 through B-6) to approximately 5 feet below ground surface (bgs) at random locations within the former shop area. The borings were advanced using a direct-push drilling rig equipped with a dual-core sampling system. Soil samples were collected at 0.5-, 1-, and 5-feet bgs and each boring was logged by the field geologist using the Unified Soil Classification System (USCS). The logs for borings B-1 through B-6 are attached to Appendix A.

Each soil sample was hand-sawed, capped, labeled, and placed within a pre-chilled ice chest for temporary storage. The soil samples were immediately delivered to McCampbell Analytical, Inc., a State-certified hazardous waste testing laboratory (Certification No. 1644) in Pittsburg, California, for analysis. The soil samples collected at 0.5- and 1-foot bgs were analyzed for PCBs, VOCs, and CAM 17 metals using Environmental Protection Agency (EPA) Methods retained for laboratory analysis will be hand-sawed, capped, labeled, and placed within a pre-chilled ice chest for temporary storage. The soil samples will be immediately delivered under chain-of-custody documentation to a State-certified hazardous waste testing laboratory for analysis. The 0.5-foot and 1-foot soil samples will be analyzed for CAM 17 metals, VOCs, and PCBs using EPA Methods SW3550B/SW8082, SW5030B/SW8260B, and SW5030B/SW6020. The 5-foot soil samples were placed on hold at the laboratory.

Temporary Soil-Gas Probe Installation and Soil-Gas Sampling Activities

Borings B-1, B-3, and B-6 were completed as temporary soil-gas monitoring probes and sampled in accordance with the guidelines outlined in the *Advisory – Active Soil Gas Investigation, Final (California Environmental Protection Agency's [Cal EPA], July 2015).* Installation of the temporary soil-gas probes was as follows:

- Approximately 6-inches of Monterey #3 sand was placed on the bottom of the borehole at 5-feet to 4.5-feet feet bgs;

- A down-hole rod was used to center a permeable vapor tip connected to 0.25-inch diameter Teflon-tubing on the top of the sand, and an additional 6 inches of Monterey #3 sand was placed over the vapor-tip; and

- A 1-foot layer of dry granular bentonite was placed on top of the Monterey #3 sand, and a 3-foot layer of hydrated bentonite was placed on top of Monterey sand. After approximately 20 minutes was allowed for the hydrated bentonite to set before backfilling each boring to grade using dry granular bentonite.

GeoSolve, Inc. will allow the probes to set for 2-hours prior to sampling. Due to the limited supply of Summa canisters by the laboratory, 1-liter Tedlar sampling bags were used to collect soil-gas from the probes via an electric vacuum pump as SG-1 through SG-3. Each temporary soil-gas probe was evacuated for 1-minute using the electric vacuum pump prior to sampling. After each Tedlar sampling bag was filled, sealed, labeled, and placed within a cardboard box for temporary storage, the Teflon tubing was removed from the boring and the probes were destroyed.

The Tedlar samples SG-1 through SG-3 were submitted to McCampbell Analytical, Inc. under chain-of-custody protocol and analyzed for VOCs using EPA Method TAO-15.

Laboratory Analytical Results

Soil Samples

The laboratory analytical results of the soil samples are shown on Table 1 below and attached to Appendix B.

Table 1
Soil Sample Laboratory Results
Former Brann Ranch
7983, 7985, 7987, and 7989 Highway 12
Rio Vista, California
January 7, 2022

Sample ID	Sample Depth (feet)	PCBs (mg/Kg)	VOCs (mg/Kg)	Arsenic (mg/Kg)	Lead (mg/Kg)	Molybdenum (mg/Kg)
B1-0.5	0.5	<0.050	<0.005 - <0.10	3.9	52	1.3
B1-1	1	<0.050	<0.005 - <0.10	4.2	6.3	<0.5
B2-0.5	0.5	<0.050	0.0061[a]	3.8	**100**	1.2
B2-1	1	<0.050	<0.005 - <0.10	4.9	11	<0.5
B3-0.5	0.5	<0.050	0.0076[b]	4.4	23	1.4
B3-1	1	<0.050	<0.005 - <0.10	3.8	7.3	<0.5
B4-0.5	0.5	<0.050	<0.005 - <0.10	4.2	31	0.78
B4-1	1	<0.050	<0.005 - <0.10	3.0	4.6	<0.5
B5-0.5	0.5	<0.050	0.0070[c]	4.4	14	0.55
B5-1	1	<0.050	<0.005 - <0.10	3.8	7.1	<0.5
B6-0.5	0.5	<0.050	0.034[c]	4.2	46	1.0
B6-1	1	<0.050	<0.005 - <0.10	3.5	9.9	<0.5
ESLs	---	*0.22*	*1.0*	*0.067**	*82*	*390*

mg/Kg = milligrams per liter, equivalent to parts per million (ppm).
a = 4-isopropyl toluene
b = ethyl benzene
c = xylenes
< = less than laboratory detection limit.
ESLs = RWQCB Environmental Screening Levels for residential development (January 2019).
* = Cal EPA uses background concentrations as the cleanup goal for arsenic.

From all the chemical constituents analyzed, only lead was slightly detected over the California Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) of 82 milligrams per kilogram (mg/Kg) in soil sample B2-0.5, which had a lead concentration of 100 mg/Kg. PCBs were not detected, and VOCs were mostly not detected. CAM 17 metals were detected within background concentrations, except for lead in sample B2-0.5. Although arsenic was detected above the ESL for residential development of 0.067 mg/Kg, the RWQCB deems background arsenic concentrations as clean-up goals. All arsenic concentrations were detected within background levels.

Soil-Gas

The laboratory analytical results of the soil-gas samples are shown on Table 2 below and attached to Appendix B.

Table 2
Laboratory Analytical Results of Soil-Gas Samples
Former Brann Ranch
7983, 7985, 7987, and 7989 Highway 12
Rio Vista, California
January 7, 2022

Sample ID	Depth (feet)	Ethyl Benzene (µg/m³)	Xylenes (µg/m³)	VC (µg/m³)	DCE (µg/m³)	TCE (µg/m³)	PCE (µg/m³)
SG-1	5	<8.8	<8.8	<5.2	<8.1	<11	<14
SG-2	5	<8.8	<8.8	<0.051	0.032	0.42	32
SG-3	5	10	63	<0.052	1.5	1.4	87
ESLs	---	*37*	*3,500*	*0.32*	*280*	*16*	*15*

VC = vinyl chloride
DCE = cis-1,2-Dichloroethylene
TCE = Trichloroethylene
PCE = Tetrachloroethylene
µg/m³ = micrograms per cubic meter
ESLs = RWQCB Environmental Screening Levels for residential development (January 2019).

The laboratory analytical results of soil-gas samples SG-1 through SG-3 indicated most no detected VOCs, with the exception of ethyl benzene and total xylenes, which were detected well below the ESLs of 37 micrograms per cubic meter (µg/m³) and 3,500 µg/m³, respectively.

Conclusions and Recommendations

Based on the laboratory analytical results of the soil and soil-gas samples, *GeoSolve, Inc.* concludes the following:

- No detectable concentrations of PCBs and most VOCs in all soil samples analyzed. Lead was the only chemical constituent detected above the residential ESL of 82 mg/Kg in soil sample B2-0.5 at 100 mg/Kg;

- VOCs were mostly no detected in all soil-gas samples analyzed, with the exception of very low concentrations of ethyl benzene and total xylenes in SG-3. These very low concentrations were detected well below the residential ESLs;

- Remediation of soil conducted by West Associates in 2018 at the former shop area was conducted appropriately and is considered closed with respect to further environmental assessment and/or remediation; and

- The slightly elevated lead concentration detected in soil sample B2-0.5 does not require remediation since the site will be graded and this area will be blended with excessive soil at the site.

If you have any questions or need further information regarding our Phase II ESA, please call us at your convenience.

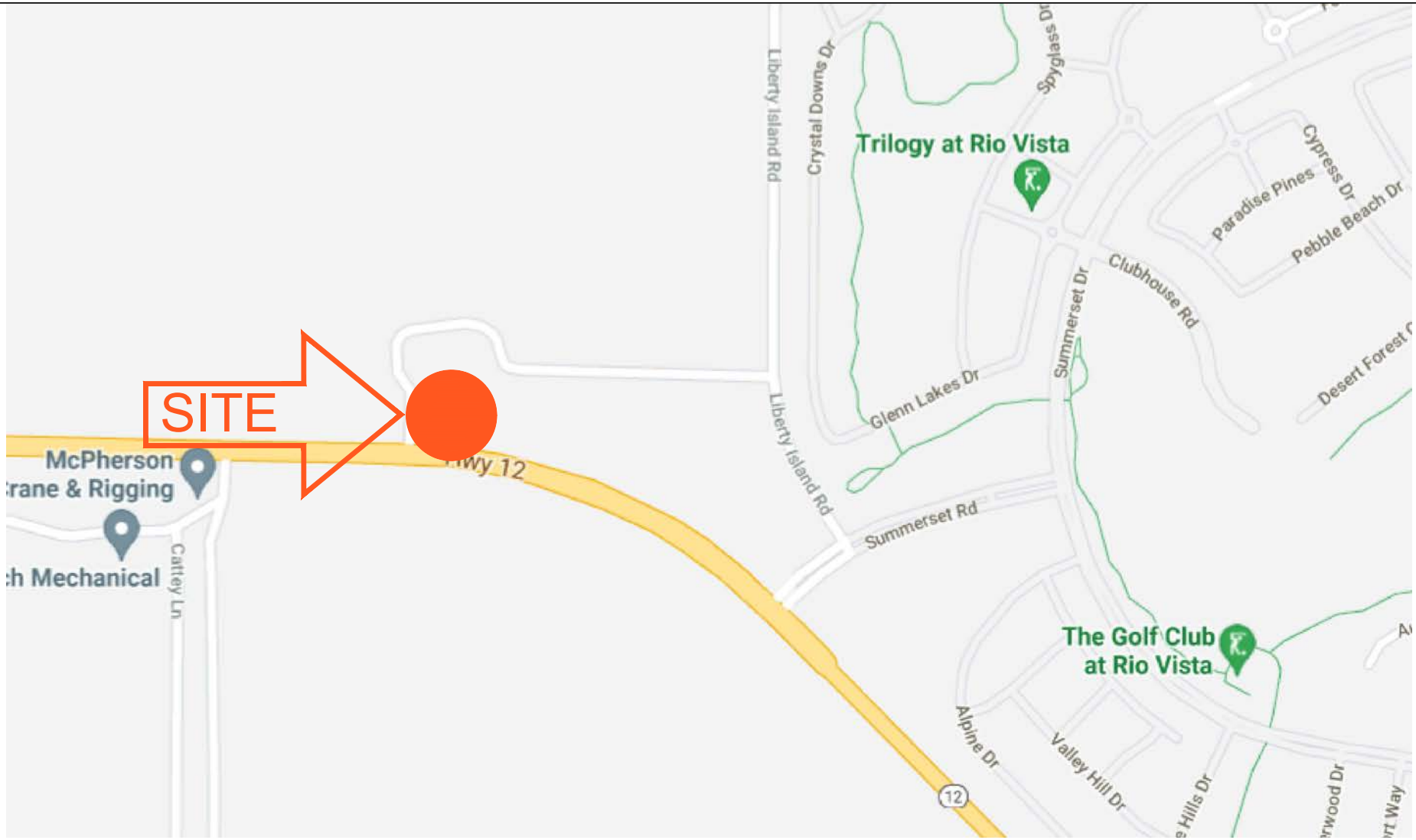
Sincerely,
GeoSolve, Inc.



Robert D. Campbell, M.S., P.G., C.E.G., Q.S.D.
Principal Engineering Geologist

Attachments: Figure 1, Site Vicinity Map
Figure 2, Site Plan
Figure 3, Boring Locations

Appendix A – Logs of Soil Borings
Appendix B – McCampbell Analytical Laboratory Report and Chain of Custody Document



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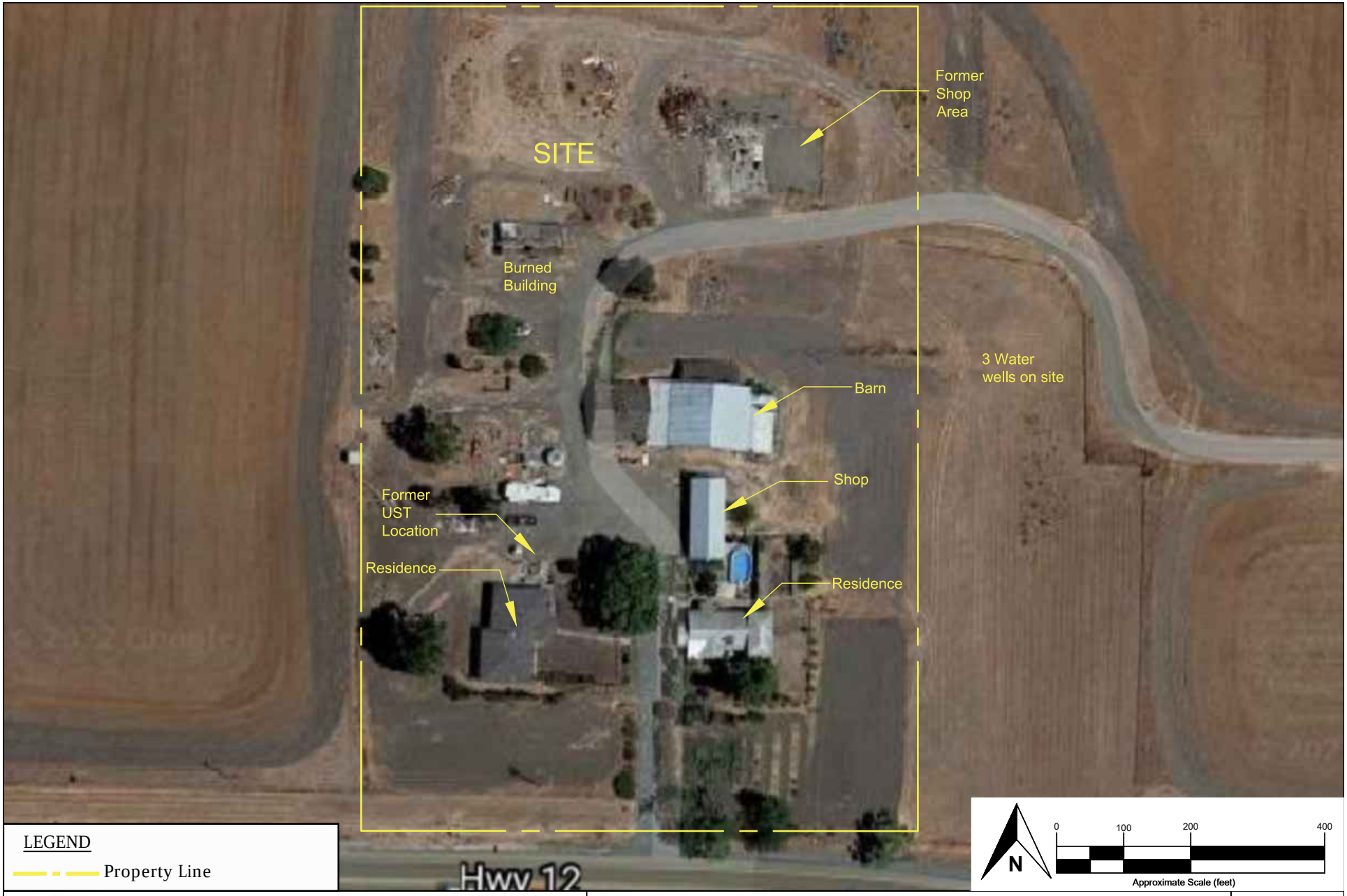
VICINITY MAP

ENCORE LIBERTY II, LLC
PHASE II ESA
7983,7985,7987, AND 7989 HIGHWAY 12
RIO VISTA, CA

Project No.	Drawn by:
2021-26	GC
Scale:	Date:
NTS	01/2022

Figure No.
1



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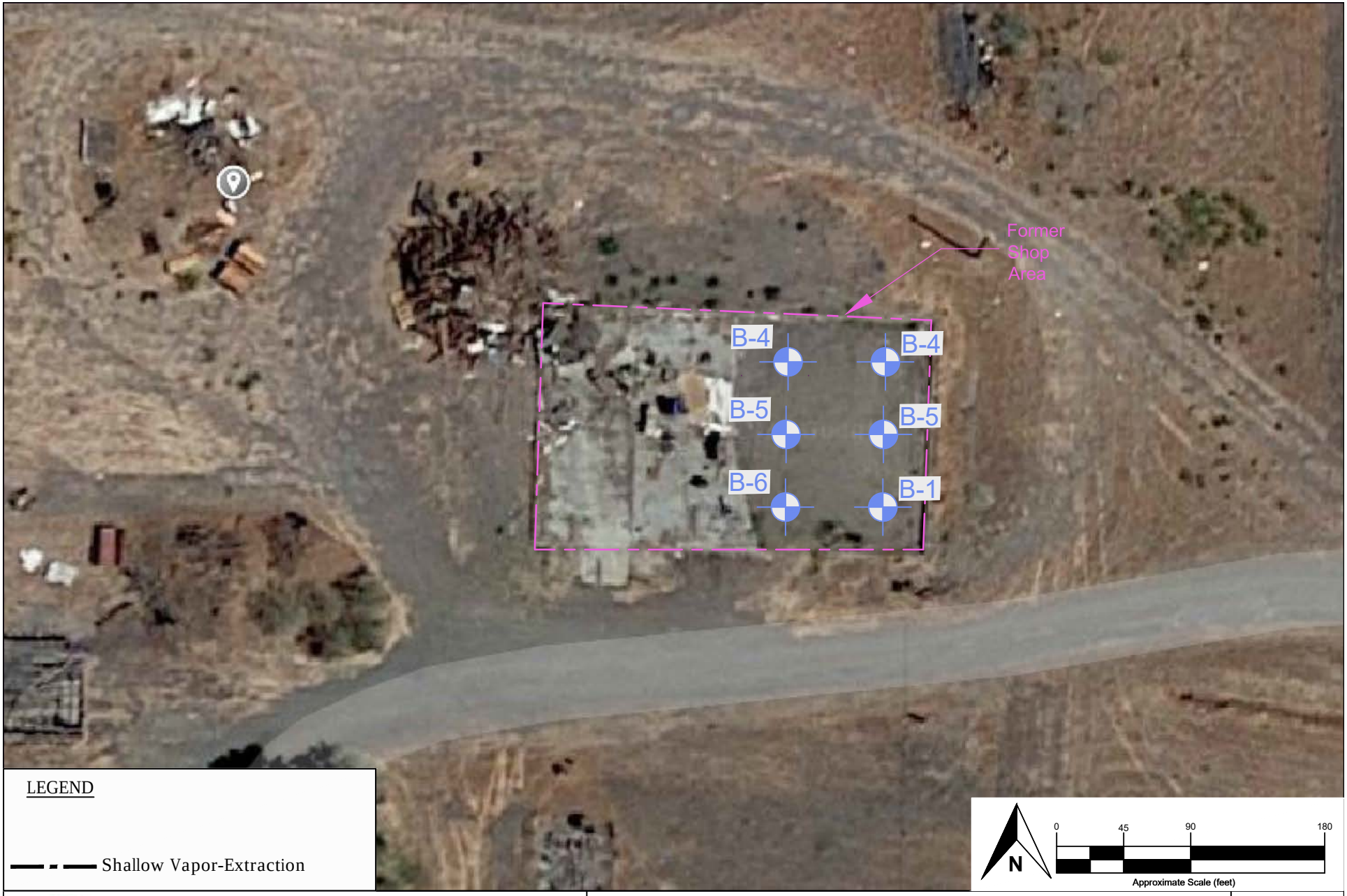
SITE PLAN

ENCORE LIBERTY II, LLC
PHASE II ESA
7983,7985,7987, AND 7989 HIGHWAY 12
RIO VISTA, CA

Project No.	Drawn by:
2021-26	GC
Scale:	Date:
AS SHOWN	01/2022

Figure No.
2



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BORING LOCATIONS

ENCORE LIBERTY II, LLC
PHASE II ESA
7983 HIGHWAY 12
RIO VISTA, CA

Project No.	Drawn by:
2021-26	GC
Scale:	Date:
AS SHOWN	01/2022

Figure No.

3

APPENDIX A

LOGS OF SOIL BORINGS

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BORING LOG

Client Name: Encore Liberty II, LLC
Job/Site Name: Brann Ranch
Location: 7983 Highway 12, Rio Vista, CA
Project Number: 2021-26
Driller: Penecore Drilling
Drilling Method: Direct Push
Boring Diameter: 2.5 - Inch
Logged by: RDC
Review by:
Notes:

Boring Name: B-1
Drilling Started: 1-7-22
Drilling Completed: 1-7-22
Ground Surface Elevation:
Boring Location:
Total Boring depth:
Depth to Water (First Encounter): ϕ ▽
Depth to Water (Static): ▼

Sample Condition: ■ Undisturbed Sample ⊠ No Recovery ▭ Disturbed Sample

Date Sampled	Well Detail	PID (ppm)	Sample ID	Depth (ft bgs)	Graphic Log	U.S.C.S.	Lithological Description	Contact Depth (ft bgs)
			B1-0.5			CL	Dark brown, silty CLAY (CL), wood fragments, moist, no odor	
			B1-1					
						ML	Tan clayey SILT (ML), moist, no odor	
			B1-5	5			End of Boring @ 5 feet. Groundwater not encountered	
				15				

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BORING LOG

Client Name: Encore Liberty II, LLC
Job/Site Name: Brann Ranch
Location: 7983 Highway 12, Rio Vista, CA
Project Number: 2021-26
Driller: Penecore Drilling
Drilling Method: Direct Push
Boring Diameter: 2.5 - Inch
Logged by: RDC
Review by:
Notes:

Boring Name: B-2
Drilling Started: 1-7-22
Drilling Completed: 1-7-22
Ground Surface Elevation:
Boring Location:
Total Boring depth:
Depth to Water (First Encounter): ∅ ▽
Depth to Water (Static): ▼

Sample Condition
■ Undisturbed Sample ☒ No Recovery
▭ Disturbed Sample

Date Sampled	Well Detail	PID (ppm)	Sample ID	Depth (ft bgs)	Graphic Log	U.S.C.S.	Lithological Description	Contact Depth (ft bgs)
			B2-0.5			CL	Dark brown, silty CLAY (CL), moist, no odor	
			B2-1					
						ML	Tan clayey SILT (ML), moist, no odor	
			B2-5	5				
							End of Boring @ 5 feet. Groundwater not encountered	
				15				

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BORING LOG

Client Name: Encore Liberty II, LLC
Job/Site Name: Brann Ranch
Location: 7983 Highway 12, Rio Vista, CA
Project Number: 2021-26
Driller: Penecore Drilling
Drilling Method: Direct Push
Boring Diameter: 2.5 - Inch
Logged by: RDC
Review by:
Notes:

Boring Name: B-3
Drilling Started: 1-7-22
Drilling Completed: 1-7-22
Ground Surface Elevation:
Boring Location:
Total Boring depth:
Depth to Water (First Encounter): ▽
Depth to Water (Static): ▼

Sample Condition: ■ Undisturbed Sample ⊠ No Recovery ▭ Disturbed Sample

Date Sampled	Well Detail	PID (ppm)	Sample ID	Depth (ft bgs)	Graphic Log	U.S.C.S.	Lithological Description	Contact Depth (ft bgs)
			B3-0.5			CL	Dark brown, silty CLAY (CL), moist, no odor	
			B3-1					
						ML	Tan clayey SILT (ML), moist, no odor	
			B3-5	5				
							End of Boring @ 5 feet. Groundwater not encountered	
				15				

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BORING LOG

Client Name: Encore Liberty II, LLC
Job/Site Name: Brann Ranch
Location: 7983 Highway 12, Rio Vista, CA
Project Number: 2021-26
Driller: Penecore Drilling
Drilling Method: Direct Push
Boring Diameter: 2.5 - Inch
Logged by: RDC
Review by:
Notes:

Boring Name: B-4
Drilling Started: 1-7-22
Drilling Completed: 1-7-22
Ground Surface Elevation:
Boring Location:
Total Boring depth:
Depth to Water (First Encounter): ▽
Depth to Water (Static): ▼

Sample Condition: ■ Undisturbed Sample ⊠ No Recovery ▭ Disturbed Sample

Date Sampled	Well Detail	PID (ppm)	Sample ID	Depth (ft bgs)	Graphic Log	U.S.C.S.	Lithological Description	Contact Depth (ft bgs)
			B4-0.5				Dark brown, silty CLAY (CL), moist, no odor	
			B4-1			CL		
						ML	Tan clayey SILT (ML), moist, no odor	
			B4-5	5				
							End of Boring @ 5 feet. Groundwater not encountered	
				15				

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BORING LOG

Client Name: Encore Liberty II, LLC
Job/Site Name: Brann Ranch
Location: 7983 Highway 12, Rio Vista, CA
Project Number: 2021-26
Driller: Penecore Drilling
Drilling Method: Direct Push
Boring Diameter: 2.5 - Inch
Logged by: RDC
Review by:
Notes:

Boring Name: B-5
Drilling Started: 1-7-22
Drilling Completed: 1-7-22
Ground Surface Elevation:
Boring Location:
Total Boring depth:
Depth to Water (First Encounter): ▽
Depth to Water (Static): ▼

Sample Condition: ■ Undisturbed Sample; ⊠ No Recovery; □□□ Disturbed Sample

Date Sampled	Well Detail	PID (ppm)	Sample ID	Depth (ft bgs)	Graphic Log	U.S.C.S.	Lithological Description	Contact Depth (ft bgs)
			B5-0.5			CL	Dark brown, silty CLAY (CL), moist, no odor	
			B5-1					
						ML	Tan clayey SILT (ML), moist, no odor	
			B5-5	5		SM	Tan silty fine SAND (SM), moist, no odor	
							End of Boring @ 5 feet. Groundwater not encountered	

15

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BORING LOG

Client Name: Encore Liberty II, LLC
Job/Site Name: Brann Ranch
Location: 7983 Highway 12, Rio Vista, CA
Project Number: 2021-26
Driller: Penecore Drilling
Drilling Method: Direct Push
Boring Diameter: 2.5 - Inch
Logged by: RDC
Review by:
Notes:

Boring Name: B-6
Drilling Started: 1-7-22
Drilling Completed: 1-7-22
Ground Surface Elevation:
Boring Location:
Total Boring depth:
Depth to Water (First Encounter): ▽
Depth to Water (Static): ▼

Sample Condition: ■ Undisturbed Sample ⊠ No Recovery ▭ Disturbed Sample

Date Sampled	Well Detail	PID (ppm)	Sample ID	Depth (ft bgs)	Graphic Log	U.S.C.S.	Lithological Description	Contact Depth (ft bgs)
			B6-0.5				Dark brown, silty CLAY (CL), moist, no odor	
			B6-1			CL		
							Tan clayey SILT (ML), moist, no odor	
						ML		
			B6-5	5				
							End of Boring @ 5 feet. Groundwater not encountered	
				15				

APPENDIX B

McCAMPBELL ANALYTICAL LABORATORY ANALYTICAL RESULTS AND CHAIN OF CUSTODY DOCUMENT

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2201245

Report Created for: Geosolve, Inc.

1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566

Project Contact: Rob Campbell
Project P.O.: 2021-26
Project: 2021-26; Brann Ranch Farm

Project Received: 01/07/2022

Analytical Report reviewed & approved for release on 01/14/2022 by:



Jennifer Lagerbom
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc. **WorkOrder:** 2201245

Project: 2021-26; Brann Ranch Farm

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc. **WorkOrder:** 2201245

Project: 2021-26; Brann Ranch Farm

Analytical Qualifiers

H	Samples were analyzed out of hold time
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
a2	Sample diluted due to cluttered chromatogram.
c16	The internal standard recovery is below the lower limit. The target analyte(s) were Not Detected (ND); therefore, the data is reportable.
h4	Sulfuric acid permanganate (EPA 3665) cleanup

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Case Narrative

Client: Geosolve, Inc.
Project: 2021-26; Brann Ranch Farm

Work Order: 2201245
January 14, 2022

TO-15 ANALYSIS

Polymer (Tedlar) bags are not recommended for TO15 samples. The disadvantages are listed in Appendix B of the DTSC Active Soil Gas Advisory of July 2015.

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3550B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8082
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-0.5	2201245-001A	Soil	01/07/2022	GC22 01102212.D	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/10/2022 10:32
Aroclor1221	ND	0.050	1	01/10/2022 10:32
Aroclor1232	ND	0.050	1	01/10/2022 10:32
Aroclor1242	ND	0.050	1	01/10/2022 10:32
Aroclor1248	ND	0.050	1	01/10/2022 10:32
Aroclor1254	ND	0.050	1	01/10/2022 10:32
Aroclor1260	ND	0.050	1	01/10/2022 10:32
PCBs, total	ND	0.050	1	01/10/2022 10:32

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	102	60-130	01/10/2022 10:32

Analyst(s): KVE Analytical Comments: h4

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	2201245-002A	Soil	01/07/2022	GC22 01102209.D	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/10/2022 09:48
Aroclor1221	ND	0.050	1	01/10/2022 09:48
Aroclor1232	ND	0.050	1	01/10/2022 09:48
Aroclor1242	ND	0.050	1	01/10/2022 09:48
Aroclor1248	ND	0.050	1	01/10/2022 09:48
Aroclor1254	ND	0.050	1	01/10/2022 09:48
Aroclor1260	ND	0.050	1	01/10/2022 09:48
PCBs, total	ND	0.050	1	01/10/2022 09:48

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	105	60-130	01/10/2022 09:48

Analyst(s): KVE Analytical Comments: h4

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3550B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8082
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-0.5	2201245-004A	Soil	01/07/2022	GC22 01102210.D	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/10/2022 10:03
Aroclor1221	ND	0.050	1	01/10/2022 10:03
Aroclor1232	ND	0.050	1	01/10/2022 10:03
Aroclor1242	ND	0.050	1	01/10/2022 10:03
Aroclor1248	ND	0.050	1	01/10/2022 10:03
Aroclor1254	ND	0.050	1	01/10/2022 10:03
Aroclor1260	ND	0.050	1	01/10/2022 10:03
PCBs, total	ND	0.050	1	01/10/2022 10:03

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	108	60-130	01/10/2022 10:03

Analyst(s): KVE Analytical Comments: h4

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-1	2201245-005A	Soil	01/07/2022	GC22 01112207.D	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.10	2	01/11/2022 11:01
Aroclor1221	ND	0.10	2	01/11/2022 11:01
Aroclor1232	ND	0.10	2	01/11/2022 11:01
Aroclor1242	ND	0.10	2	01/11/2022 11:01
Aroclor1248	ND	0.10	2	01/11/2022 11:01
Aroclor1254	ND	0.10	2	01/11/2022 11:01
Aroclor1260	ND	0.10	2	01/11/2022 11:01
PCBs, total	ND	0.10	2	01/11/2022 11:01

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	103	60-130	01/11/2022 11:01

Analyst(s): KVE Analytical Comments: a2

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3550B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8082
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-0.5	2201245-007A	Soil	01/07/2022	GC23 01072267.d	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/08/2022 03:31
Aroclor1221	ND	0.050	1	01/08/2022 03:31
Aroclor1232	ND	0.050	1	01/08/2022 03:31
Aroclor1242	ND	0.050	1	01/08/2022 03:31
Aroclor1248	ND	0.050	1	01/08/2022 03:31
Aroclor1254	ND	0.050	1	01/08/2022 03:31
Aroclor1260	ND	0.050	1	01/08/2022 03:31
PCBs, total	ND	0.050	1	01/08/2022 03:31

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	123	60-130	01/08/2022 03:31

Analyst(s): KVE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-1	2201245-008A	Soil	01/07/2022	GC23 01072268.d	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/08/2022 03:47
Aroclor1221	ND	0.050	1	01/08/2022 03:47
Aroclor1232	ND	0.050	1	01/08/2022 03:47
Aroclor1242	ND	0.050	1	01/08/2022 03:47
Aroclor1248	ND	0.050	1	01/08/2022 03:47
Aroclor1254	ND	0.050	1	01/08/2022 03:47
Aroclor1260	ND	0.050	1	01/08/2022 03:47
PCBs, total	ND	0.050	1	01/08/2022 03:47

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	119	60-130	01/08/2022 03:47

Analyst(s): KVE

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3550B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8082
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-0.5	2201245-010A	Soil	01/07/2022	GC23 01072269.d	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/08/2022 04:03
Aroclor1221	ND	0.050	1	01/08/2022 04:03
Aroclor1232	ND	0.050	1	01/08/2022 04:03
Aroclor1242	ND	0.050	1	01/08/2022 04:03
Aroclor1248	ND	0.050	1	01/08/2022 04:03
Aroclor1254	ND	0.050	1	01/08/2022 04:03
Aroclor1260	ND	0.050	1	01/08/2022 04:03
PCBs, total	ND	0.050	1	01/08/2022 04:03

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	90	60-130	01/08/2022 04:03

Analyst(s): KVE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-1	2201245-011A	Soil	01/07/2022	GC23 01072278.d	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/08/2022 06:23
Aroclor1221	ND	0.050	1	01/08/2022 06:23
Aroclor1232	ND	0.050	1	01/08/2022 06:23
Aroclor1242	ND	0.050	1	01/08/2022 06:23
Aroclor1248	ND	0.050	1	01/08/2022 06:23
Aroclor1254	ND	0.050	1	01/08/2022 06:23
Aroclor1260	ND	0.050	1	01/08/2022 06:23
PCBs, total	ND	0.050	1	01/08/2022 06:23

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	125	60-130	01/08/2022 06:23

Analyst(s): KVE

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3550B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8082
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-0.5	2201245-013A	Soil	01/07/2022	GC23 01072279.d	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/08/2022 06:39
Aroclor1221	ND	0.050	1	01/08/2022 06:39
Aroclor1232	ND	0.050	1	01/08/2022 06:39
Aroclor1242	ND	0.050	1	01/08/2022 06:39
Aroclor1248	ND	0.050	1	01/08/2022 06:39
Aroclor1254	ND	0.050	1	01/08/2022 06:39
Aroclor1260	ND	0.050	1	01/08/2022 06:39
PCBs, total	ND	0.050	1	01/08/2022 06:39

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	109	60-130	01/08/2022 06:39

Analyst(s): KVE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-1	2201245-014A	Soil	01/07/2022	GC23 01072280.d	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/08/2022 06:55
Aroclor1221	ND	0.050	1	01/08/2022 06:55
Aroclor1232	ND	0.050	1	01/08/2022 06:55
Aroclor1242	ND	0.050	1	01/08/2022 06:55
Aroclor1248	ND	0.050	1	01/08/2022 06:55
Aroclor1254	ND	0.050	1	01/08/2022 06:55
Aroclor1260	ND	0.050	1	01/08/2022 06:55
PCBs, total	ND	0.050	1	01/08/2022 06:55

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	120	60-130	01/08/2022 06:55

Analyst(s): KVE

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3550B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8082
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-0.5	2201245-016A	Soil	01/07/2022	GC22 01102211.D	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/10/2022 10:18
Aroclor1221	ND	0.050	1	01/10/2022 10:18
Aroclor1232	ND	0.050	1	01/10/2022 10:18
Aroclor1242	ND	0.050	1	01/10/2022 10:18
Aroclor1248	ND	0.050	1	01/10/2022 10:18
Aroclor1254	ND	0.050	1	01/10/2022 10:18
Aroclor1260	ND	0.050	1	01/10/2022 10:18
PCBs, total	ND	0.050	1	01/10/2022 10:18

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	110	60-130	01/10/2022 10:18

Analyst(s): KVE Analytical Comments: h4

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-1	2201245-017A	Soil	01/07/2022	GC23 01072281.d	237020

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	01/08/2022 07:10
Aroclor1221	ND	0.050	1	01/08/2022 07:10
Aroclor1232	ND	0.050	1	01/08/2022 07:10
Aroclor1242	ND	0.050	1	01/08/2022 07:10
Aroclor1248	ND	0.050	1	01/08/2022 07:10
Aroclor1254	ND	0.050	1	01/08/2022 07:10
Aroclor1260	ND	0.050	1	01/08/2022 07:10
PCBs, total	ND	0.050	1	01/08/2022 07:10

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	129	60-130	01/08/2022 07:10

Analyst(s): KVE

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-0.5	2201245-001A	Soil	01/07/2022	GC16 01102232.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 03:23
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 03:23
Benzene	ND	0.0050	1	01/11/2022 03:23
Bromobenzene	ND	0.0050	1	01/11/2022 03:23
Bromochloromethane	ND	0.0050	1	01/11/2022 03:23
Bromodichloromethane	ND	0.0050	1	01/11/2022 03:23
Bromoform	ND	0.0050	1	01/11/2022 03:23
Bromomethane	ND	0.0050	1	01/11/2022 03:23
2-Butanone (MEK)	ND	0.10	1	01/11/2022 03:23
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 03:23
n-Butyl benzene	ND	0.0050	1	01/11/2022 03:23
sec-Butyl benzene	ND	0.0050	1	01/11/2022 03:23
tert-Butyl benzene	ND	0.0050	1	01/11/2022 03:23
Carbon Disulfide	ND	0.0050	1	01/11/2022 03:23
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 03:23
Chlorobenzene	ND	0.0050	1	01/11/2022 03:23
Chloroethane	ND	0.0050	1	01/11/2022 03:23
Chloroform	ND	0.0050	1	01/11/2022 03:23
Chloromethane	ND	0.0050	1	01/11/2022 03:23
2-Chlorotoluene	ND	0.0050	1	01/11/2022 03:23
4-Chlorotoluene	ND	0.0050	1	01/11/2022 03:23
Dibromochloromethane	ND	0.0050	1	01/11/2022 03:23
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 03:23
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 03:23
Dibromomethane	ND	0.0050	1	01/11/2022 03:23
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 03:23
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 03:23
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 03:23
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 03:23
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 03:23
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 03:23
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 03:23
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 03:23
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 03:23
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 03:23
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 03:23
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 03:23

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-0.5	2201245-001A	Soil	01/07/2022	GC16 01102232.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 03:23
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 03:23
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 03:23
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 03:23
Ethylbenzene	ND	0.0050	1	01/11/2022 03:23
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 03:23
Freon 113	ND	0.0050	1	01/11/2022 03:23
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 03:23
Hexachloroethane	ND	0.0050	1	01/11/2022 03:23
2-Hexanone	ND	0.0050	1	01/11/2022 03:23
Isopropylbenzene	ND	0.0050	1	01/11/2022 03:23
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 03:23
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 03:23
Methylene chloride	ND	0.020	1	01/11/2022 03:23
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 03:23
Naphthalene	ND	0.0050	1	01/11/2022 03:23
n-Propyl benzene	ND	0.0050	1	01/11/2022 03:23
Styrene	ND	0.0050	1	01/11/2022 03:23
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 03:23
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 03:23
Tetrachloroethene	ND	0.0050	1	01/11/2022 03:23
Toluene	ND	0.0050	1	01/11/2022 03:23
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 03:23
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 03:23
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 03:23
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 03:23
Trichloroethene	ND	0.0050	1	01/11/2022 03:23
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 03:23
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 03:23
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 03:23
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 03:23
Vinyl Chloride	ND	0.00025	1	01/11/2022 03:23
m,p-Xylene	ND	0.0050	1	01/11/2022 03:23
o-Xylene	ND	0.0050	1	01/11/2022 03:23
Xylenes, Total	ND	0.0050	1	01/11/2022 03:23

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-0.5	**2201245-001A**	**Soil**	**01/07/2022**	**GC16 01102232.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	92	70-140		01/11/2022 03:23
Toluene-d8	95	70-140		01/11/2022 03:23
4-BFB	94	70-140		01/11/2022 03:23
Benzene-d6	75	50-140		01/11/2022 03:23
Ethylbenzene-d10	83	50-140		01/11/2022 03:23
1,2-DCB-d4	74	40-140		01/11/2022 03:23

Analyst(s): KF

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	2201245-002A	Soil	01/07/2022	GC16 01102233.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 04:02
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 04:02
Benzene	ND	0.0050	1	01/11/2022 04:02
Bromobenzene	ND	0.0050	1	01/11/2022 04:02
Bromochloromethane	ND	0.0050	1	01/11/2022 04:02
Bromodichloromethane	ND	0.0050	1	01/11/2022 04:02
Bromoform	ND	0.0050	1	01/11/2022 04:02
Bromomethane	ND	0.0050	1	01/11/2022 04:02
2-Butanone (MEK)	ND	0.10	1	01/11/2022 04:02
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 04:02
n-Butyl benzene	ND	0.0050	1	01/11/2022 04:02
sec-Butyl benzene	ND	0.0050	1	01/11/2022 04:02
tert-Butyl benzene	ND	0.0050	1	01/11/2022 04:02
Carbon Disulfide	ND	0.0050	1	01/11/2022 04:02
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 04:02
Chlorobenzene	ND	0.0050	1	01/11/2022 04:02
Chloroethane	ND	0.0050	1	01/11/2022 04:02
Chloroform	ND	0.0050	1	01/11/2022 04:02
Chloromethane	ND	0.0050	1	01/11/2022 04:02
2-Chlorotoluene	ND	0.0050	1	01/11/2022 04:02
4-Chlorotoluene	ND	0.0050	1	01/11/2022 04:02
Dibromochloromethane	ND	0.0050	1	01/11/2022 04:02
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 04:02
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 04:02
Dibromomethane	ND	0.0050	1	01/11/2022 04:02
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 04:02
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 04:02
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 04:02
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 04:02
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 04:02
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 04:02
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 04:02
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 04:02
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 04:02
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 04:02
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 04:02
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 04:02

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	2201245-002A	Soil	01/07/2022	GC16 01102233.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 04:02
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 04:02
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 04:02
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 04:02
Ethylbenzene	ND	0.0050	1	01/11/2022 04:02
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 04:02
Freon 113	ND	0.0050	1	01/11/2022 04:02
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 04:02
Hexachloroethane	ND	0.0050	1	01/11/2022 04:02
2-Hexanone	ND	0.0050	1	01/11/2022 04:02
Isopropylbenzene	ND	0.0050	1	01/11/2022 04:02
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 04:02
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 04:02
Methylene chloride	ND	0.020	1	01/11/2022 04:02
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 04:02
Naphthalene	ND	0.0050	1	01/11/2022 04:02
n-Propyl benzene	ND	0.0050	1	01/11/2022 04:02
Styrene	ND	0.0050	1	01/11/2022 04:02
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 04:02
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 04:02
Tetrachloroethene	ND	0.0050	1	01/11/2022 04:02
Toluene	ND	0.0050	1	01/11/2022 04:02
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 04:02
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 04:02
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 04:02
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 04:02
Trichloroethene	ND	0.0050	1	01/11/2022 04:02
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 04:02
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 04:02
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 04:02
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 04:02
Vinyl Chloride	ND	0.00025	1	01/11/2022 04:02
m,p-Xylene	ND	0.0050	1	01/11/2022 04:02
o-Xylene	ND	0.0050	1	01/11/2022 04:02
Xylenes, Total	ND	0.0050	1	01/11/2022 04:02

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	**2201245-002A**	**Soil**	**01/07/2022**	**GC16 01102233.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	88	70-140		01/11/2022 04:02
Toluene-d8	96	70-140		01/11/2022 04:02
4-BFB	94	70-140		01/11/2022 04:02
Benzene-d6	91	50-140		01/11/2022 04:02
Ethylbenzene-d10	104	50-140		01/11/2022 04:02
1,2-DCB-d4	87	40-140		01/11/2022 04:02

Analyst(s): KF

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-0.5	2201245-004A	Soil	01/07/2022	GC16 01112220.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 19:44
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 19:44
Benzene	ND	0.0050	1	01/11/2022 19:44
Bromobenzene	ND	0.0050	1	01/11/2022 19:44
Bromochloromethane	ND	0.0050	1	01/11/2022 19:44
Bromodichloromethane	ND	0.0050	1	01/11/2022 19:44
Bromoform	ND	0.0050	1	01/11/2022 19:44
Bromomethane	ND	0.0050	1	01/11/2022 19:44
2-Butanone (MEK)	ND	0.10	1	01/11/2022 19:44
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 19:44
n-Butyl benzene	ND	0.0050	1	01/11/2022 19:44
sec-Butyl benzene	ND	0.0050	1	01/11/2022 19:44
tert-Butyl benzene	ND	0.0050	1	01/11/2022 19:44
Carbon Disulfide	ND	0.0050	1	01/11/2022 19:44
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 19:44
Chlorobenzene	ND	0.0050	1	01/11/2022 19:44
Chloroethane	ND	0.0050	1	01/11/2022 19:44
Chloroform	ND	0.0050	1	01/11/2022 19:44
Chloromethane	ND	0.0050	1	01/11/2022 19:44
2-Chlorotoluene	ND	0.0050	1	01/11/2022 19:44
4-Chlorotoluene	ND	0.0050	1	01/11/2022 19:44
Dibromochloromethane	ND	0.0050	1	01/11/2022 19:44
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 19:44
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 19:44
Dibromomethane	ND	0.0050	1	01/11/2022 19:44
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 19:44
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 19:44
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 19:44
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 19:44
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 19:44
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 19:44
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 19:44
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 19:44
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 19:44
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 19:44
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 19:44
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 19:44

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-0.5	2201245-004A	Soil	01/07/2022	GC16 01112220.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 19:44
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 19:44
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 19:44
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 19:44
Ethylbenzene	ND	0.0050	1	01/11/2022 19:44
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 19:44
Freon 113	ND	0.0050	1	01/11/2022 19:44
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 19:44
Hexachloroethane	ND	0.0050	1	01/11/2022 19:44
2-Hexanone	ND	0.0050	1	01/11/2022 19:44
Isopropylbenzene	ND	0.0050	1	01/11/2022 19:44
4-Isopropyl toluene	**0.0061**	0.0050	1	01/11/2022 19:44
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 19:44
Methylene chloride	ND	0.020	1	01/11/2022 19:44
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 19:44
Naphthalene	ND	0.0050	1	01/11/2022 19:44
n-Propyl benzene	ND	0.0050	1	01/11/2022 19:44
Styrene	ND	0.0050	1	01/11/2022 19:44
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 19:44
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 19:44
Tetrachloroethene	ND	0.0050	1	01/11/2022 19:44
Toluene	ND	0.0050	1	01/11/2022 19:44
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 19:44
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 19:44
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 19:44
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 19:44
Trichloroethene	ND	0.0050	1	01/11/2022 19:44
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 19:44
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 19:44
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 19:44
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 19:44
Vinyl Chloride	ND	0.00025	1	01/11/2022 19:44
m,p-Xylene	ND	0.0050	1	01/11/2022 19:44
o-Xylene	ND	0.0050	1	01/11/2022 19:44
Xylenes, Total	ND	0.0050	1	01/11/2022 19:44

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-0.5	**2201245-004A**	**Soil**	**01/07/2022**	**GC16 01112220.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	99	70-140		01/11/2022 19:44
Toluene-d8	106	70-140		01/11/2022 19:44
4-BFB	97	70-140		01/11/2022 19:44
Benzene-d6	88	50-140		01/11/2022 19:44
Ethylbenzene-d10	101	50-140		01/11/2022 19:44
1,2-DCB-d4	85	40-140		01/11/2022 19:44

Analyst(s): KF

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-1	2201245-005A	Soil	01/07/2022	GC16 01112221.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 20:23
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 20:23
Benzene	ND	0.0050	1	01/11/2022 20:23
Bromobenzene	ND	0.0050	1	01/11/2022 20:23
Bromochloromethane	ND	0.0050	1	01/11/2022 20:23
Bromodichloromethane	ND	0.0050	1	01/11/2022 20:23
Bromoform	ND	0.0050	1	01/11/2022 20:23
Bromomethane	ND	0.0050	1	01/11/2022 20:23
2-Butanone (MEK)	ND	0.10	1	01/11/2022 20:23
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 20:23
n-Butyl benzene	ND	0.0050	1	01/11/2022 20:23
sec-Butyl benzene	ND	0.0050	1	01/11/2022 20:23
tert-Butyl benzene	ND	0.0050	1	01/11/2022 20:23
Carbon Disulfide	ND	0.0050	1	01/11/2022 20:23
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 20:23
Chlorobenzene	ND	0.0050	1	01/11/2022 20:23
Chloroethane	ND	0.0050	1	01/11/2022 20:23
Chloroform	ND	0.0050	1	01/11/2022 20:23
Chloromethane	ND	0.0050	1	01/11/2022 20:23
2-Chlorotoluene	ND	0.0050	1	01/11/2022 20:23
4-Chlorotoluene	ND	0.0050	1	01/11/2022 20:23
Dibromochloromethane	ND	0.0050	1	01/11/2022 20:23
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 20:23
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 20:23
Dibromomethane	ND	0.0050	1	01/11/2022 20:23
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 20:23
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 20:23
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 20:23
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 20:23
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 20:23
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 20:23
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 20:23
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 20:23
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 20:23
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 20:23
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 20:23
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 20:23

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-1	2201245-005A	Soil	01/07/2022	GC16 01112221.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 20:23
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 20:23
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 20:23
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 20:23
Ethylbenzene	ND	0.0050	1	01/11/2022 20:23
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 20:23
Freon 113	ND	0.0050	1	01/11/2022 20:23
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 20:23
Hexachloroethane	ND	0.0050	1	01/11/2022 20:23
2-Hexanone	ND	0.0050	1	01/11/2022 20:23
Isopropylbenzene	ND	0.0050	1	01/11/2022 20:23
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 20:23
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 20:23
Methylene chloride	ND	0.020	1	01/11/2022 20:23
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 20:23
Naphthalene	ND	0.0050	1	01/11/2022 20:23
n-Propyl benzene	ND	0.0050	1	01/11/2022 20:23
Styrene	ND	0.0050	1	01/11/2022 20:23
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 20:23
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 20:23
Tetrachloroethene	ND	0.0050	1	01/11/2022 20:23
Toluene	ND	0.0050	1	01/11/2022 20:23
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 20:23
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 20:23
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 20:23
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 20:23
Trichloroethene	ND	0.0050	1	01/11/2022 20:23
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 20:23
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 20:23
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 20:23
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 20:23
Vinyl Chloride	ND	0.00025	1	01/11/2022 20:23
m,p-Xylene	ND	0.0050	1	01/11/2022 20:23
o-Xylene	ND	0.0050	1	01/11/2022 20:23
Xylenes, Total	ND	0.0050	1	01/11/2022 20:23

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-1	**2201245-005A**	**Soil**	**01/07/2022**	**GC16 01112221.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	98	70-140		01/11/2022 20:23
Toluene-d8	107	70-140		01/11/2022 20:23
4-BFB	101	70-140		01/11/2022 20:23
Benzene-d6	93	50-140		01/11/2022 20:23
Ethylbenzene-d10	110	50-140		01/11/2022 20:23
1,2-DCB-d4	92	40-140		01/11/2022 20:23

Analyst(s): KF

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-0.5	2201245-007A	Soil	01/07/2022	GC16 01112222.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 21:02
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 21:02
Benzene	ND	0.0050	1	01/11/2022 21:02
Bromobenzene	ND	0.0050	1	01/11/2022 21:02
Bromochloromethane	ND	0.0050	1	01/11/2022 21:02
Bromodichloromethane	ND	0.0050	1	01/11/2022 21:02
Bromoform	ND	0.0050	1	01/11/2022 21:02
Bromomethane	ND	0.0050	1	01/11/2022 21:02
2-Butanone (MEK)	ND	0.10	1	01/11/2022 21:02
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 21:02
n-Butyl benzene	ND	0.0050	1	01/11/2022 21:02
sec-Butyl benzene	ND	0.0050	1	01/11/2022 21:02
tert-Butyl benzene	ND	0.0050	1	01/11/2022 21:02
Carbon Disulfide	ND	0.0050	1	01/11/2022 21:02
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 21:02
Chlorobenzene	ND	0.0050	1	01/11/2022 21:02
Chloroethane	ND	0.0050	1	01/11/2022 21:02
Chloroform	ND	0.0050	1	01/11/2022 21:02
Chloromethane	ND	0.0050	1	01/11/2022 21:02
2-Chlorotoluene	ND	0.0050	1	01/11/2022 21:02
4-Chlorotoluene	ND	0.0050	1	01/11/2022 21:02
Dibromochloromethane	ND	0.0050	1	01/11/2022 21:02
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 21:02
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 21:02
Dibromomethane	ND	0.0050	1	01/11/2022 21:02
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 21:02
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 21:02
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 21:02
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 21:02
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 21:02
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 21:02
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 21:02
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 21:02
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 21:02
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 21:02
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 21:02
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 21:02

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-0.5	2201245-007A	Soil	01/07/2022	GC16 01112222.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 21:02
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 21:02
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 21:02
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 21:02
Ethylbenzene	**0.0076**	0.0050	1	01/11/2022 21:02
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 21:02
Freon 113	ND	0.0050	1	01/11/2022 21:02
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 21:02
Hexachloroethane	ND	0.0050	1	01/11/2022 21:02
2-Hexanone	ND	0.0050	1	01/11/2022 21:02
Isopropylbenzene	ND	0.0050	1	01/11/2022 21:02
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 21:02
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 21:02
Methylene chloride	ND	0.020	1	01/11/2022 21:02
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 21:02
Naphthalene	ND	0.0050	1	01/11/2022 21:02
n-Propyl benzene	ND	0.0050	1	01/11/2022 21:02
Styrene	ND	0.0050	1	01/11/2022 21:02
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 21:02
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 21:02
Tetrachloroethene	ND	0.0050	1	01/11/2022 21:02
Toluene	ND	0.0050	1	01/11/2022 21:02
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 21:02
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 21:02
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 21:02
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 21:02
Trichloroethene	ND	0.0050	1	01/11/2022 21:02
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 21:02
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 21:02
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 21:02
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 21:02
Vinyl Chloride	ND	0.00025	1	01/11/2022 21:02
m,p-Xylene	**0.034**	0.0050	1	01/11/2022 21:02
o-Xylene	**0.010**	0.0050	1	01/11/2022 21:02
Xylenes, Total	**0.044**	0.0050	1	01/11/2022 21:02

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-0.5	2201245-007A	Soil	01/07/2022	GC16 01112222.D	237001

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	103	70-140		01/11/2022 21:02
Toluene-d8	105	70-140		01/11/2022 21:02
4-BFB	99	70-140		01/11/2022 21:02
Benzene-d6	87	50-140		01/11/2022 21:02
Ethylbenzene-d10	98	50-140		01/11/2022 21:02
1,2-DCB-d4	83	40-140		01/11/2022 21:02

Analyst(s): KF

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-1	2201245-008A	Soil	01/07/2022	GC16 01112223.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 21:40
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 21:40
Benzene	ND	0.0050	1	01/11/2022 21:40
Bromobenzene	ND	0.0050	1	01/11/2022 21:40
Bromochloromethane	ND	0.0050	1	01/11/2022 21:40
Bromodichloromethane	ND	0.0050	1	01/11/2022 21:40
Bromoform	ND	0.0050	1	01/11/2022 21:40
Bromomethane	ND	0.0050	1	01/11/2022 21:40
2-Butanone (MEK)	ND	0.10	1	01/11/2022 21:40
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 21:40
n-Butyl benzene	ND	0.0050	1	01/11/2022 21:40
sec-Butyl benzene	ND	0.0050	1	01/11/2022 21:40
tert-Butyl benzene	ND	0.0050	1	01/11/2022 21:40
Carbon Disulfide	ND	0.0050	1	01/11/2022 21:40
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 21:40
Chlorobenzene	ND	0.0050	1	01/11/2022 21:40
Chloroethane	ND	0.0050	1	01/11/2022 21:40
Chloroform	ND	0.0050	1	01/11/2022 21:40
Chloromethane	ND	0.0050	1	01/11/2022 21:40
2-Chlorotoluene	ND	0.0050	1	01/11/2022 21:40
4-Chlorotoluene	ND	0.0050	1	01/11/2022 21:40
Dibromochloromethane	ND	0.0050	1	01/11/2022 21:40
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 21:40
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 21:40
Dibromomethane	ND	0.0050	1	01/11/2022 21:40
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 21:40
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 21:40
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 21:40
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 21:40
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 21:40
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 21:40
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 21:40
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 21:40
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 21:40
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 21:40
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 21:40
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 21:40

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-1	2201245-008A	Soil	01/07/2022	GC16 01112223.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 21:40
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 21:40
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 21:40
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 21:40
Ethylbenzene	ND	0.0050	1	01/11/2022 21:40
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 21:40
Freon 113	ND	0.0050	1	01/11/2022 21:40
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 21:40
Hexachloroethane	ND	0.0050	1	01/11/2022 21:40
2-Hexanone	ND	0.0050	1	01/11/2022 21:40
Isopropylbenzene	ND	0.0050	1	01/11/2022 21:40
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 21:40
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 21:40
Methylene chloride	ND	0.020	1	01/11/2022 21:40
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 21:40
Naphthalene	ND	0.0050	1	01/11/2022 21:40
n-Propyl benzene	ND	0.0050	1	01/11/2022 21:40
Styrene	ND	0.0050	1	01/11/2022 21:40
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 21:40
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 21:40
Tetrachloroethene	ND	0.0050	1	01/11/2022 21:40
Toluene	ND	0.0050	1	01/11/2022 21:40
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 21:40
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 21:40
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 21:40
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 21:40
Trichloroethene	ND	0.0050	1	01/11/2022 21:40
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 21:40
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 21:40
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 21:40
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 21:40
Vinyl Chloride	ND	0.00025	1	01/11/2022 21:40
m,p-Xylene	ND	0.0050	1	01/11/2022 21:40
o-Xylene	ND	0.0050	1	01/11/2022 21:40
Xylenes, Total	ND	0.0050	1	01/11/2022 21:40

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-1	2201245-008A	Soil	01/07/2022	GC16 01112223.D	237001

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	103	70-140		01/11/2022 21:40
Toluene-d8	108	70-140		01/11/2022 21:40
4-BFB	94	70-140		01/11/2022 21:40
Benzene-d6	88	50-140		01/11/2022 21:40
Ethylbenzene-d10	100	50-140		01/11/2022 21:40
1,2-DCB-d4	84	40-140		01/11/2022 21:40

Analyst(s): KF

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-0.5	2201245-010A	Soil	01/07/2022	GC16 01112224.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 22:19
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 22:19
Benzene	ND	0.0050	1	01/11/2022 22:19
Bromobenzene	ND	0.0050	1	01/11/2022 22:19
Bromochloromethane	ND	0.0050	1	01/11/2022 22:19
Bromodichloromethane	ND	0.0050	1	01/11/2022 22:19
Bromoform	ND	0.0050	1	01/11/2022 22:19
Bromomethane	ND	0.0050	1	01/11/2022 22:19
2-Butanone (MEK)	ND	0.10	1	01/11/2022 22:19
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 22:19
n-Butyl benzene	ND	0.0050	1	01/11/2022 22:19
sec-Butyl benzene	ND	0.0050	1	01/11/2022 22:19
tert-Butyl benzene	ND	0.0050	1	01/11/2022 22:19
Carbon Disulfide	ND	0.0050	1	01/11/2022 22:19
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 22:19
Chlorobenzene	ND	0.0050	1	01/11/2022 22:19
Chloroethane	ND	0.0050	1	01/11/2022 22:19
Chloroform	ND	0.0050	1	01/11/2022 22:19
Chloromethane	ND	0.0050	1	01/11/2022 22:19
2-Chlorotoluene	ND	0.0050	1	01/11/2022 22:19
4-Chlorotoluene	ND	0.0050	1	01/11/2022 22:19
Dibromochloromethane	ND	0.0050	1	01/11/2022 22:19
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 22:19
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 22:19
Dibromomethane	ND	0.0050	1	01/11/2022 22:19
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:19
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:19
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:19
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 22:19
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 22:19
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 22:19
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 22:19
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 22:19
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 22:19
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 22:19
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 22:19
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 22:19

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-0.5	2201245-010A	Soil	01/07/2022	GC16 01112224.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 22:19
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 22:19
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 22:19
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 22:19
Ethylbenzene	ND	0.0050	1	01/11/2022 22:19
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 22:19
Freon 113	ND	0.0050	1	01/11/2022 22:19
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 22:19
Hexachloroethane	ND	0.0050	1	01/11/2022 22:19
2-Hexanone	ND	0.0050	1	01/11/2022 22:19
Isopropylbenzene	ND	0.0050	1	01/11/2022 22:19
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 22:19
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 22:19
Methylene chloride	ND	0.020	1	01/11/2022 22:19
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 22:19
Naphthalene	ND	0.0050	1	01/11/2022 22:19
n-Propyl benzene	ND	0.0050	1	01/11/2022 22:19
Styrene	ND	0.0050	1	01/11/2022 22:19
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 22:19
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 22:19
Tetrachloroethene	ND	0.0050	1	01/11/2022 22:19
Toluene	ND	0.0050	1	01/11/2022 22:19
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 22:19
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 22:19
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 22:19
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 22:19
Trichloroethene	ND	0.0050	1	01/11/2022 22:19
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 22:19
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 22:19
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 22:19
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 22:19
Vinyl Chloride	ND	0.00025	1	01/11/2022 22:19
m,p-Xylene	ND	0.0050	1	01/11/2022 22:19
o-Xylene	ND	0.0050	1	01/11/2022 22:19
Xylenes, Total	ND	0.0050	1	01/11/2022 22:19

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-0.5	**2201245-010A**	**Soil**	**01/07/2022**	**GC16 01112224.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	99	70-140		01/11/2022 22:19
Toluene-d8	105	70-140		01/11/2022 22:19
4-BFB	98	70-140		01/11/2022 22:19
Benzene-d6	80	50-140		01/11/2022 22:19
Ethylbenzene-d10	94	50-140		01/11/2022 22:19
1,2-DCB-d4	80	40-140		01/11/2022 22:19

Analyst(s): KF

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-1	2201245-011A	Soil	01/07/2022	GC16 01112225.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 22:57
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 22:57
Benzene	ND	0.0050	1	01/11/2022 22:57
Bromobenzene	ND	0.0050	1	01/11/2022 22:57
Bromochloromethane	ND	0.0050	1	01/11/2022 22:57
Bromodichloromethane	ND	0.0050	1	01/11/2022 22:57
Bromoform	ND	0.0050	1	01/11/2022 22:57
Bromomethane	ND	0.0050	1	01/11/2022 22:57
2-Butanone (MEK)	ND	0.10	1	01/11/2022 22:57
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 22:57
n-Butyl benzene	ND	0.0050	1	01/11/2022 22:57
sec-Butyl benzene	ND	0.0050	1	01/11/2022 22:57
tert-Butyl benzene	ND	0.0050	1	01/11/2022 22:57
Carbon Disulfide	ND	0.0050	1	01/11/2022 22:57
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 22:57
Chlorobenzene	ND	0.0050	1	01/11/2022 22:57
Chloroethane	ND	0.0050	1	01/11/2022 22:57
Chloroform	ND	0.0050	1	01/11/2022 22:57
Chloromethane	ND	0.0050	1	01/11/2022 22:57
2-Chlorotoluene	ND	0.0050	1	01/11/2022 22:57
4-Chlorotoluene	ND	0.0050	1	01/11/2022 22:57
Dibromochloromethane	ND	0.0050	1	01/11/2022 22:57
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 22:57
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 22:57
Dibromomethane	ND	0.0050	1	01/11/2022 22:57
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:57
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:57
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:57
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 22:57
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 22:57
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 22:57
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 22:57
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 22:57
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 22:57
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 22:57
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 22:57
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 22:57

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-1	2201245-011A	Soil	01/07/2022	GC16 01112225.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 22:57
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 22:57
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 22:57
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 22:57
Ethylbenzene	ND	0.0050	1	01/11/2022 22:57
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 22:57
Freon 113	ND	0.0050	1	01/11/2022 22:57
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 22:57
Hexachloroethane	ND	0.0050	1	01/11/2022 22:57
2-Hexanone	ND	0.0050	1	01/11/2022 22:57
Isopropylbenzene	ND	0.0050	1	01/11/2022 22:57
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 22:57
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 22:57
Methylene chloride	ND	0.020	1	01/11/2022 22:57
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 22:57
Naphthalene	ND	0.0050	1	01/11/2022 22:57
n-Propyl benzene	ND	0.0050	1	01/11/2022 22:57
Styrene	ND	0.0050	1	01/11/2022 22:57
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 22:57
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 22:57
Tetrachloroethene	ND	0.0050	1	01/11/2022 22:57
Toluene	ND	0.0050	1	01/11/2022 22:57
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 22:57
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 22:57
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 22:57
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 22:57
Trichloroethene	ND	0.0050	1	01/11/2022 22:57
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 22:57
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 22:57
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 22:57
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 22:57
Vinyl Chloride	ND	0.00025	1	01/11/2022 22:57
m,p-Xylene	ND	0.0050	1	01/11/2022 22:57
o-Xylene	ND	0.0050	1	01/11/2022 22:57
Xylenes, Total	ND	0.0050	1	01/11/2022 22:57

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-1	**2201245-011A**	**Soil**	**01/07/2022**	**GC16 01112225.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	104	70-140		01/11/2022 22:57
Toluene-d8	108	70-140		01/11/2022 22:57
4-BFB	96	70-140		01/11/2022 22:57
Benzene-d6	94	50-140		01/11/2022 22:57
Ethylbenzene-d10	106	50-140		01/11/2022 22:57
1,2-DCB-d4	88	40-140		01/11/2022 22:57

Analyst(s): KF

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-0.5	2201245-013A	Soil	01/07/2022	GC16 01112226.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 23:36
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 23:36
Benzene	ND	0.0050	1	01/11/2022 23:36
Bromobenzene	ND	0.0050	1	01/11/2022 23:36
Bromochloromethane	ND	0.0050	1	01/11/2022 23:36
Bromodichloromethane	ND	0.0050	1	01/11/2022 23:36
Bromoform	ND	0.0050	1	01/11/2022 23:36
Bromomethane	ND	0.0050	1	01/11/2022 23:36
2-Butanone (MEK)	ND	0.10	1	01/11/2022 23:36
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 23:36
n-Butyl benzene	ND	0.0050	1	01/11/2022 23:36
sec-Butyl benzene	ND	0.0050	1	01/11/2022 23:36
tert-Butyl benzene	ND	0.0050	1	01/11/2022 23:36
Carbon Disulfide	ND	0.0050	1	01/11/2022 23:36
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 23:36
Chlorobenzene	ND	0.0050	1	01/11/2022 23:36
Chloroethane	ND	0.0050	1	01/11/2022 23:36
Chloroform	ND	0.0050	1	01/11/2022 23:36
Chloromethane	ND	0.0050	1	01/11/2022 23:36
2-Chlorotoluene	ND	0.0050	1	01/11/2022 23:36
4-Chlorotoluene	ND	0.0050	1	01/11/2022 23:36
Dibromochloromethane	ND	0.0050	1	01/11/2022 23:36
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 23:36
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 23:36
Dibromomethane	ND	0.0050	1	01/11/2022 23:36
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 23:36
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 23:36
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 23:36
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 23:36
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 23:36
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 23:36
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 23:36
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 23:36
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 23:36
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 23:36
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 23:36
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 23:36

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-0.5	2201245-013A	Soil	01/07/2022	GC16 01112226.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 23:36
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 23:36
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 23:36
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 23:36
Ethylbenzene	ND	0.0050	1	01/11/2022 23:36
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 23:36
Freon 113	ND	0.0050	1	01/11/2022 23:36
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 23:36
Hexachloroethane	ND	0.0050	1	01/11/2022 23:36
2-Hexanone	ND	0.0050	1	01/11/2022 23:36
Isopropylbenzene	ND	0.0050	1	01/11/2022 23:36
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 23:36
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 23:36
Methylene chloride	ND	0.020	1	01/11/2022 23:36
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 23:36
Naphthalene	ND	0.0050	1	01/11/2022 23:36
n-Propyl benzene	ND	0.0050	1	01/11/2022 23:36
Styrene	ND	0.0050	1	01/11/2022 23:36
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 23:36
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 23:36
Tetrachloroethene	ND	0.0050	1	01/11/2022 23:36
Toluene	ND	0.0050	1	01/11/2022 23:36
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 23:36
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 23:36
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 23:36
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 23:36
Trichloroethene	ND	0.0050	1	01/11/2022 23:36
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 23:36
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 23:36
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 23:36
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 23:36
Vinyl Chloride	ND	0.00025	1	01/11/2022 23:36
m,p-Xylene	**0.0070**	0.0050	1	01/11/2022 23:36
o-Xylene	ND	0.0050	1	01/11/2022 23:36
Xylenes, Total	**0.0070**	0.0050	1	01/11/2022 23:36

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-0.5	**2201245-013A**	**Soil**	**01/07/2022**	**GC16 01112226.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	103	70-140		01/11/2022 23:36
Toluene-d8	112	70-140		01/11/2022 23:36
4-BFB	102	70-140		01/11/2022 23:36
Benzene-d6	109	50-140		01/11/2022 23:36
Ethylbenzene-d10	127	50-140		01/11/2022 23:36
1,2-DCB-d4	100	40-140		01/11/2022 23:36

Analyst(s): KF

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-1	2201245-014A	Soil	01/07/2022	GC28 01112221.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 22:05
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 22:05
Benzene	ND	0.0050	1	01/11/2022 22:05
Bromobenzene	ND	0.0050	1	01/11/2022 22:05
Bromochloromethane	ND	0.0050	1	01/11/2022 22:05
Bromodichloromethane	ND	0.0050	1	01/11/2022 22:05
Bromoform	ND	0.0050	1	01/11/2022 22:05
Bromomethane	ND	0.0050	1	01/11/2022 22:05
2-Butanone (MEK)	ND	0.10	1	01/11/2022 22:05
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 22:05
n-Butyl benzene	ND	0.0050	1	01/11/2022 22:05
sec-Butyl benzene	ND	0.0050	1	01/11/2022 22:05
tert-Butyl benzene	ND	0.0050	1	01/11/2022 22:05
Carbon Disulfide	ND	0.0050	1	01/11/2022 22:05
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 22:05
Chlorobenzene	ND	0.0050	1	01/11/2022 22:05
Chloroethane	ND	0.0050	1	01/11/2022 22:05
Chloroform	ND	0.0050	1	01/11/2022 22:05
Chloromethane	ND	0.0050	1	01/11/2022 22:05
2-Chlorotoluene	ND	0.0050	1	01/11/2022 22:05
4-Chlorotoluene	ND	0.0050	1	01/11/2022 22:05
Dibromochloromethane	ND	0.0050	1	01/11/2022 22:05
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 22:05
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 22:05
Dibromomethane	ND	0.0050	1	01/11/2022 22:05
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:05
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:05
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:05
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 22:05
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 22:05
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 22:05
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 22:05
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 22:05
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 22:05
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 22:05
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 22:05
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 22:05

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-1	2201245-014A	Soil	01/07/2022	GC28 01112221.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 22:05
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 22:05
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 22:05
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 22:05
Ethylbenzene	ND	0.0050	1	01/11/2022 22:05
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 22:05
Freon 113	ND	0.0050	1	01/11/2022 22:05
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 22:05
Hexachloroethane	ND	0.0050	1	01/11/2022 22:05
2-Hexanone	ND	0.0050	1	01/11/2022 22:05
Isopropylbenzene	ND	0.0050	1	01/11/2022 22:05
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 22:05
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 22:05
Methylene chloride	ND	0.020	1	01/11/2022 22:05
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 22:05
Naphthalene	ND	0.0050	1	01/11/2022 22:05
n-Propyl benzene	ND	0.0050	1	01/11/2022 22:05
Styrene	ND	0.0050	1	01/11/2022 22:05
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 22:05
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 22:05
Tetrachloroethene	ND	0.0050	1	01/11/2022 22:05
Toluene	ND	0.0050	1	01/11/2022 22:05
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 22:05
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 22:05
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 22:05
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 22:05
Trichloroethene	ND	0.0050	1	01/11/2022 22:05
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 22:05
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 22:05
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 22:05
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 22:05
Vinyl Chloride	ND	0.00025	1	01/11/2022 22:05
m,p-Xylene	ND	0.0050	1	01/11/2022 22:05
o-Xylene	ND	0.0050	1	01/11/2022 22:05
Xylenes, Total	ND	0.0050	1	01/11/2022 22:05

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-1	**2201245-014A**	**Soil**	**01/07/2022**	**GC28 01112221.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	105	70-140		01/11/2022 22:05
Toluene-d8	115	70-140		01/11/2022 22:05
4-BFB	119	70-140		01/11/2022 22:05
Benzene-d6	114	50-140		01/11/2022 22:05
Ethylbenzene-d10	127	50-140		01/11/2022 22:05
1,2-DCB-d4	96	40-140		01/11/2022 22:05

Analyst(s): KF Analytical Comments: c16

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-0.5	2201245-016A	Soil	01/07/2022	GC28 01112222.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 22:46
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 22:46
Benzene	ND	0.0050	1	01/11/2022 22:46
Bromobenzene	ND	0.0050	1	01/11/2022 22:46
Bromochloromethane	ND	0.0050	1	01/11/2022 22:46
Bromodichloromethane	ND	0.0050	1	01/11/2022 22:46
Bromoform	ND	0.0050	1	01/11/2022 22:46
Bromomethane	ND	0.0050	1	01/11/2022 22:46
2-Butanone (MEK)	ND	0.10	1	01/11/2022 22:46
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 22:46
n-Butyl benzene	ND	0.0050	1	01/11/2022 22:46
sec-Butyl benzene	ND	0.0050	1	01/11/2022 22:46
tert-Butyl benzene	ND	0.0050	1	01/11/2022 22:46
Carbon Disulfide	ND	0.0050	1	01/11/2022 22:46
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 22:46
Chlorobenzene	ND	0.0050	1	01/11/2022 22:46
Chloroethane	ND	0.0050	1	01/11/2022 22:46
Chloroform	ND	0.0050	1	01/11/2022 22:46
Chloromethane	ND	0.0050	1	01/11/2022 22:46
2-Chlorotoluene	ND	0.0050	1	01/11/2022 22:46
4-Chlorotoluene	ND	0.0050	1	01/11/2022 22:46
Dibromochloromethane	ND	0.0050	1	01/11/2022 22:46
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 22:46
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 22:46
Dibromomethane	ND	0.0050	1	01/11/2022 22:46
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:46
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:46
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 22:46
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 22:46
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 22:46
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 22:46
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 22:46
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 22:46
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 22:46
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 22:46
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 22:46
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 22:46

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-0.5	2201245-016A	Soil	01/07/2022	GC28 01112222.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 22:46
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 22:46
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 22:46
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 22:46
Ethylbenzene	ND	0.0050	1	01/11/2022 22:46
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 22:46
Freon 113	ND	0.0050	1	01/11/2022 22:46
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 22:46
Hexachloroethane	ND	0.0050	1	01/11/2022 22:46
2-Hexanone	ND	0.0050	1	01/11/2022 22:46
Isopropylbenzene	ND	0.0050	1	01/11/2022 22:46
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 22:46
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 22:46
Methylene chloride	ND	0.020	1	01/11/2022 22:46
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 22:46
Naphthalene	ND	0.0050	1	01/11/2022 22:46
n-Propyl benzene	ND	0.0050	1	01/11/2022 22:46
Styrene	ND	0.0050	1	01/11/2022 22:46
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 22:46
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 22:46
Tetrachloroethene	ND	0.0050	1	01/11/2022 22:46
Toluene	ND	0.0050	1	01/11/2022 22:46
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 22:46
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 22:46
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 22:46
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 22:46
Trichloroethene	ND	0.0050	1	01/11/2022 22:46
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 22:46
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 22:46
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 22:46
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 22:46
Vinyl Chloride	ND	0.00025	1	01/11/2022 22:46
m,p-Xylene	**0.025**	0.0050	1	01/11/2022 22:46
o-Xylene	**0.0085**	0.0050	1	01/11/2022 22:46
Xylenes, Total	**0.034**	0.0050	1	01/11/2022 22:46

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-0.5	**2201245-016A**	**Soil**	**01/07/2022**	**GC28 01112222.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	104	70-140		01/11/2022 22:46
Toluene-d8	116	70-140		01/11/2022 22:46
4-BFB	127	70-140		01/11/2022 22:46
Benzene-d6	108	50-140		01/11/2022 22:46
Ethylbenzene-d10	117	50-140		01/11/2022 22:46
1,2-DCB-d4	90	40-140		01/11/2022 22:46

Analyst(s): KF Analytical Comments: c16

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-1	2201245-017A	Soil	01/07/2022	GC28 01112223.D	237001

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	01/11/2022 23:28
tert-Amyl methyl ether (TAME)	ND	0.0050	1	01/11/2022 23:28
Benzene	ND	0.0050	1	01/11/2022 23:28
Bromobenzene	ND	0.0050	1	01/11/2022 23:28
Bromochloromethane	ND	0.0050	1	01/11/2022 23:28
Bromodichloromethane	ND	0.0050	1	01/11/2022 23:28
Bromoform	ND	0.0050	1	01/11/2022 23:28
Bromomethane	ND	0.0050	1	01/11/2022 23:28
2-Butanone (MEK)	ND	0.10	1	01/11/2022 23:28
t-Butyl alcohol (TBA)	ND	0.050	1	01/11/2022 23:28
n-Butyl benzene	ND	0.0050	1	01/11/2022 23:28
sec-Butyl benzene	ND	0.0050	1	01/11/2022 23:28
tert-Butyl benzene	ND	0.0050	1	01/11/2022 23:28
Carbon Disulfide	ND	0.0050	1	01/11/2022 23:28
Carbon Tetrachloride	ND	0.0050	1	01/11/2022 23:28
Chlorobenzene	ND	0.0050	1	01/11/2022 23:28
Chloroethane	ND	0.0050	1	01/11/2022 23:28
Chloroform	ND	0.0050	1	01/11/2022 23:28
Chloromethane	ND	0.0050	1	01/11/2022 23:28
2-Chlorotoluene	ND	0.0050	1	01/11/2022 23:28
4-Chlorotoluene	ND	0.0050	1	01/11/2022 23:28
Dibromochloromethane	ND	0.0050	1	01/11/2022 23:28
1,2-Dibromo-3-chloropropane	ND	0.00050	1	01/11/2022 23:28
1,2-Dibromoethane (EDB)	ND	0.00025	1	01/11/2022 23:28
Dibromomethane	ND	0.0050	1	01/11/2022 23:28
1,2-Dichlorobenzene	ND	0.0050	1	01/11/2022 23:28
1,3-Dichlorobenzene	ND	0.0050	1	01/11/2022 23:28
1,4-Dichlorobenzene	ND	0.0050	1	01/11/2022 23:28
Dichlorodifluoromethane	ND	0.0050	1	01/11/2022 23:28
1,1-Dichloroethane	ND	0.0050	1	01/11/2022 23:28
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	01/11/2022 23:28
1,1-Dichloroethene	ND	0.0050	1	01/11/2022 23:28
cis-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 23:28
trans-1,2-Dichloroethene	ND	0.0050	1	01/11/2022 23:28
1,2-Dichloropropane	ND	0.0050	1	01/11/2022 23:28
1,3-Dichloropropane	ND	0.0050	1	01/11/2022 23:28
2,2-Dichloropropane	ND	0.0050	1	01/11/2022 23:28

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-1	2201245-017A	Soil	01/07/2022	GC28 01112223.D	237001

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	01/11/2022 23:28
cis-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 23:28
trans-1,3-Dichloropropene	ND	0.0050	1	01/11/2022 23:28
Diisopropyl ether (DIPE)	ND	0.0050	1	01/11/2022 23:28
Ethylbenzene	ND	0.0050	1	01/11/2022 23:28
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	01/11/2022 23:28
Freon 113	ND	0.0050	1	01/11/2022 23:28
Hexachlorobutadiene	ND	0.0050	1	01/11/2022 23:28
Hexachloroethane	ND	0.0050	1	01/11/2022 23:28
2-Hexanone	ND	0.0050	1	01/11/2022 23:28
Isopropylbenzene	ND	0.0050	1	01/11/2022 23:28
4-Isopropyl toluene	ND	0.0050	1	01/11/2022 23:28
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	01/11/2022 23:28
Methylene chloride	ND	0.020	1	01/11/2022 23:28
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	01/11/2022 23:28
Naphthalene	ND	0.0050	1	01/11/2022 23:28
n-Propyl benzene	ND	0.0050	1	01/11/2022 23:28
Styrene	ND	0.0050	1	01/11/2022 23:28
1,1,1,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 23:28
1,1,2,2-Tetrachloroethane	ND	0.0050	1	01/11/2022 23:28
Tetrachloroethene	ND	0.0050	1	01/11/2022 23:28
Toluene	ND	0.0050	1	01/11/2022 23:28
1,2,3-Trichlorobenzene	ND	0.0050	1	01/11/2022 23:28
1,2,4-Trichlorobenzene	ND	0.0050	1	01/11/2022 23:28
1,1,1-Trichloroethane	ND	0.0050	1	01/11/2022 23:28
1,1,2-Trichloroethane	ND	0.0050	1	01/11/2022 23:28
Trichloroethene	ND	0.0050	1	01/11/2022 23:28
Trichlorofluoromethane	ND	0.0050	1	01/11/2022 23:28
1,2,3-Trichloropropane	ND	0.00025	1	01/11/2022 23:28
1,2,4-Trimethylbenzene	ND	0.0050	1	01/11/2022 23:28
1,3,5-Trimethylbenzene	ND	0.0050	1	01/11/2022 23:28
Vinyl Chloride	ND	0.00025	1	01/11/2022 23:28
m,p-Xylene	ND	0.0050	1	01/11/2022 23:28
o-Xylene	ND	0.0050	1	01/11/2022 23:28
Xylenes, Total	ND	0.0050	1	01/11/2022 23:28

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW5030B
Date Prepared:	01/07/2022	**Analytical Method:**	SW8260B
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-1	**2201245-017A**	**Soil**	**01/07/2022**	**GC28 01112223.D**	**237001**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	104	70-140		01/11/2022 23:28
Toluene-d8	115	70-140		01/11/2022 23:28
4-BFB	115	70-140		01/11/2022 23:28
Benzene-d6	115	50-140		01/11/2022 23:28
Ethylbenzene-d10	127	50-140		01/11/2022 23:28
1,2-DCB-d4	98	40-140		01/11/2022 23:28

Analyst(s): KF Analytical Comments: c16

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-0.5	2201245-001A	Soil	01/07/2022	ICP-MS4 090SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.51**	0.50	1	01/10/2022 12:49
Arsenic	**3.9**	0.50	1	01/10/2022 12:49
Barium	**260**	5.0	1	01/10/2022 12:49
Beryllium	ND	0.50	1	01/10/2022 12:49
Cadmium	ND	0.50	1	01/10/2022 12:49
Chromium	**37**	0.50	1	01/10/2022 12:49
Cobalt	**19**	0.50	1	01/10/2022 12:49
Copper	**19**	0.50	1	01/10/2022 12:49
Lead	**52**	0.50	1	01/10/2022 12:49
Mercury	**0.086**	0.050	1	01/10/2022 12:49
Molybdenum	**1.3**	0.50	1	01/10/2022 12:49
Nickel	**38**	0.50	1	01/10/2022 12:49
Selenium	ND	0.50	1	01/10/2022 12:49
Silver	ND	0.50	1	01/10/2022 12:49
Thallium	ND	0.50	1	01/10/2022 12:49
Vanadium	**42**	0.50	1	01/10/2022 12:49
Zinc	**60**	5.0	1	01/10/2022 12:49

Surrogates	REC (%)	Limits	
Terbium	107	70-130	01/10/2022 12:49

Analyst(s): AL

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	2201245-002A	Soil	01/07/2022	ICP-MS4 093SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	01/10/2022 13:01
Arsenic	**4.2**	0.50	1	01/10/2022 13:01
Barium	**270**	5.0	1	01/10/2022 13:01
Beryllium	ND	0.50	1	01/10/2022 13:01
Cadmium	ND	0.50	1	01/10/2022 13:01
Chromium	**37**	0.50	1	01/10/2022 13:01
Cobalt	**12**	0.50	1	01/10/2022 13:01
Copper	**17**	0.50	1	01/10/2022 13:01
Lead	**6.3**	0.50	1	01/10/2022 13:01
Mercury	ND	0.050	1	01/10/2022 13:01
Molybdenum	ND	0.50	1	01/10/2022 13:01
Nickel	**42**	0.50	1	01/10/2022 13:01
Selenium	**0.67**	0.50	1	01/10/2022 13:01
Silver	ND	0.50	1	01/10/2022 13:01
Thallium	ND	0.50	1	01/10/2022 13:01
Vanadium	**49**	0.50	1	01/10/2022 13:01
Zinc	**26**	5.0	1	01/10/2022 13:01

Surrogates	REC (%)	Limits	
Terbium	108	70-130	01/10/2022 13:01

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-0.5	**2201245-004A**	**Soil**	**01/07/2022**	**ICP-MS4 094SMPL.d**	**237013**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.62**	0.50	1	01/10/2022 13:05
Arsenic	**3.8**	0.50	1	01/10/2022 13:05
Barium	**220**	5.0	1	01/10/2022 13:05
Beryllium	ND	0.50	1	01/10/2022 13:05
Cadmium	**0.52**	0.50	1	01/10/2022 13:05
Chromium	**42**	0.50	1	01/10/2022 13:05
Cobalt	**7.9**	0.50	1	01/10/2022 13:05
Copper	**25**	0.50	1	01/10/2022 13:05
Lead	**100**	0.50	1	01/10/2022 13:05
Mercury	**0.079**	0.050	1	01/10/2022 13:05
Molybdenum	**1.2**	0.50	1	01/10/2022 13:05
Nickel	**40**	0.50	1	01/10/2022 13:05
Selenium	ND	0.50	1	01/10/2022 13:05
Silver	ND	0.50	1	01/10/2022 13:05
Thallium	ND	0.50	1	01/10/2022 13:05
Vanadium	**40**	0.50	1	01/10/2022 13:05
Zinc	**75**	5.0	1	01/10/2022 13:05

Surrogates	REC (%)	Limits	
Terbium	113	70-130	01/10/2022 13:05

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-1	2201245-005A	Soil	01/07/2022	ICP-MS4 095SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	01/10/2022 13:09
Arsenic	**4.9**	0.50	1	01/10/2022 13:09
Barium	**170**	5.0	1	01/10/2022 13:09
Beryllium	ND	0.50	1	01/10/2022 13:09
Cadmium	ND	0.50	1	01/10/2022 13:09
Chromium	**44**	0.50	1	01/10/2022 13:09
Cobalt	**11**	0.50	1	01/10/2022 13:09
Copper	**18**	0.50	1	01/10/2022 13:09
Lead	**11**	0.50	1	01/10/2022 13:09
Mercury	ND	0.050	1	01/10/2022 13:09
Molybdenum	ND	0.50	1	01/10/2022 13:09
Nickel	**42**	0.50	1	01/10/2022 13:09
Selenium	ND	0.50	1	01/10/2022 13:09
Silver	ND	0.50	1	01/10/2022 13:09
Thallium	ND	0.50	1	01/10/2022 13:09
Vanadium	**50**	0.50	1	01/10/2022 13:09
Zinc	**38**	5.0	1	01/10/2022 13:09

Surrogates	REC (%)	Limits	
Terbium	111	70-130	01/10/2022 13:09

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-0.5	2201245-007A	Soil	01/07/2022	ICP-MS4 096SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	01/10/2022 13:13
Arsenic	**4.4**	0.50	1	01/10/2022 13:13
Barium	**180**	5.0	1	01/10/2022 13:13
Beryllium	ND	0.50	1	01/10/2022 13:13
Cadmium	ND	0.50	1	01/10/2022 13:13
Chromium	**37**	0.50	1	01/10/2022 13:13
Cobalt	**9.8**	0.50	1	01/10/2022 13:13
Copper	**21**	0.50	1	01/10/2022 13:13
Lead	**23**	0.50	1	01/10/2022 13:13
Mercury	ND	0.050	1	01/10/2022 13:13
Molybdenum	**1.4**	0.50	1	01/10/2022 13:13
Nickel	**37**	0.50	1	01/10/2022 13:13
Selenium	**0.64**	0.50	1	01/10/2022 13:13
Silver	ND	0.50	1	01/10/2022 13:13
Thallium	ND	0.50	1	01/10/2022 13:13
Vanadium	**43**	0.50	1	01/10/2022 13:13
Zinc	**43**	5.0	1	01/10/2022 13:13

Surrogates	REC (%)	Limits	
Terbium	109	70-130	01/10/2022 13:13

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-1	2201245-008A	Soil	01/07/2022	ICP-MS4 097SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	01/10/2022 13:17
Arsenic	**3.8**	0.50	1	01/10/2022 13:17
Barium	**230**	5.0	1	01/10/2022 13:17
Beryllium	ND	0.50	1	01/10/2022 13:17
Cadmium	ND	0.50	1	01/10/2022 13:17
Chromium	**38**	0.50	1	01/10/2022 13:17
Cobalt	**6.8**	0.50	1	01/10/2022 13:17
Copper	**16**	0.50	1	01/10/2022 13:17
Lead	**7.3**	0.50	1	01/10/2022 13:17
Mercury	ND	0.050	1	01/10/2022 13:17
Molybdenum	ND	0.50	1	01/10/2022 13:17
Nickel	**37**	0.50	1	01/10/2022 13:17
Selenium	ND	0.50	1	01/10/2022 13:17
Silver	ND	0.50	1	01/10/2022 13:17
Thallium	ND	0.50	1	01/10/2022 13:17
Vanadium	**44**	0.50	1	01/10/2022 13:17
Zinc	**27**	5.0	1	01/10/2022 13:17

Surrogates	REC (%)	Limits	
Terbium	108	70-130	01/10/2022 13:17

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-0.5	2201245-010A	Soil	01/07/2022	ICP-MS4 098SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	01/10/2022 13:21
Arsenic	**4.2**	0.50	1	01/10/2022 13:21
Barium	**180**	5.0	1	01/10/2022 13:21
Beryllium	ND	0.50	1	01/10/2022 13:21
Cadmium	ND	0.50	1	01/10/2022 13:21
Chromium	**41**	0.50	1	01/10/2022 13:21
Cobalt	**6.5**	0.50	1	01/10/2022 13:21
Copper	**22**	0.50	1	01/10/2022 13:21
Lead	**31**	0.50	1	01/10/2022 13:21
Mercury	ND	0.050	1	01/10/2022 13:21
Molybdenum	**0.78**	0.50	1	01/10/2022 13:21
Nickel	**35**	0.50	1	01/10/2022 13:21
Selenium	ND	0.50	1	01/10/2022 13:21
Silver	ND	0.50	1	01/10/2022 13:21
Thallium	ND	0.50	1	01/10/2022 13:21
Vanadium	**46**	0.50	1	01/10/2022 13:21
Zinc	**44**	5.0	1	01/10/2022 13:21

Surrogates	REC (%)	Limits	
Terbium	107	70-130	01/10/2022 13:21

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B4-1	2201245-011A	Soil	01/07/2022	ICP-MS4 099SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	01/10/2022 13:25
Arsenic	**3.0**	0.50	1	01/10/2022 13:25
Barium	**130**	5.0	1	01/10/2022 13:25
Beryllium	ND	0.50	1	01/10/2022 13:25
Cadmium	ND	0.50	1	01/10/2022 13:25
Chromium	**40**	0.50	1	01/10/2022 13:25
Cobalt	**3.6**	0.50	1	01/10/2022 13:25
Copper	**17**	0.50	1	01/10/2022 13:25
Lead	**4.6**	0.50	1	01/10/2022 13:25
Mercury	ND	0.050	1	01/10/2022 13:25
Molybdenum	ND	0.50	1	01/10/2022 13:25
Nickel	**30**	0.50	1	01/10/2022 13:25
Selenium	ND	0.50	1	01/10/2022 13:25
Silver	ND	0.50	1	01/10/2022 13:25
Thallium	ND	0.50	1	01/10/2022 13:25
Vanadium	**43**	0.50	1	01/10/2022 13:25
Zinc	**26**	5.0	1	01/10/2022 13:25

Surrogates	REC (%)	Limits	
Terbium	109	70-130	01/10/2022 13:25

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-0.5	2201245-013A	Soil	01/07/2022	ICP-MS4 101SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	01/10/2022 13:32
Arsenic	**4.4**	0.50	1	01/10/2022 13:32
Barium	**340**	5.0	1	01/10/2022 13:32
Beryllium	ND	0.50	1	01/10/2022 13:32
Cadmium	ND	0.50	1	01/10/2022 13:32
Chromium	**42**	0.50	1	01/10/2022 13:32
Cobalt	**24**	0.50	1	01/10/2022 13:32
Copper	**19**	0.50	1	01/10/2022 13:32
Lead	**14**	0.50	1	01/10/2022 13:32
Mercury	ND	0.050	1	01/10/2022 13:32
Molybdenum	**0.55**	0.50	1	01/10/2022 13:32
Nickel	**52**	0.50	1	01/10/2022 13:32
Selenium	ND	0.50	1	01/10/2022 13:32
Silver	ND	0.50	1	01/10/2022 13:32
Thallium	ND	0.50	1	01/10/2022 13:32
Vanadium	**51**	0.50	1	01/10/2022 13:32
Zinc	**34**	5.0	1	01/10/2022 13:32

Surrogates	REC (%)	Limits	
Terbium	107	70-130	01/10/2022 13:32

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B5-1	2201245-014A	Soil	01/07/2022	ICP-MS4 102SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	01/10/2022 13:36
Arsenic	**3.8**	0.50	1	01/10/2022 13:36
Barium	**310**	5.0	1	01/10/2022 13:36
Beryllium	ND	0.50	1	01/10/2022 13:36
Cadmium	ND	0.50	1	01/10/2022 13:36
Chromium	**40**	0.50	1	01/10/2022 13:36
Cobalt	**17**	0.50	1	01/10/2022 13:36
Copper	**17**	0.50	1	01/10/2022 13:36
Lead	**7.1**	0.50	1	01/10/2022 13:36
Mercury	ND	0.050	1	01/10/2022 13:36
Molybdenum	ND	0.50	1	01/10/2022 13:36
Nickel	**47**	0.50	1	01/10/2022 13:36
Selenium	ND	0.50	1	01/10/2022 13:36
Silver	ND	0.50	1	01/10/2022 13:36
Thallium	ND	0.50	1	01/10/2022 13:36
Vanadium	**50**	0.50	1	01/10/2022 13:36
Zinc	**27**	5.0	1	01/10/2022 13:36

Surrogates	REC (%)	Limits	
Terbium	109	70-130	01/10/2022 13:36

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-0.5	**2201245-016A**	**Soil**	**01/07/2022**	**ICP-MS4 105SMPL.d**	**237013**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.52**	0.50	1	01/10/2022 13:48
Arsenic	**4.2**	0.50	1	01/10/2022 13:48
Barium	**150**	5.0	1	01/10/2022 13:48
Beryllium	ND	0.50	1	01/10/2022 13:48
Cadmium	ND	0.50	1	01/10/2022 13:48
Chromium	**41**	0.50	1	01/10/2022 13:48
Cobalt	**9.8**	0.50	1	01/10/2022 13:48
Copper	**22**	0.50	1	01/10/2022 13:48
Lead	**46**	0.50	1	01/10/2022 13:48
Mercury	**0.059**	0.050	1	01/10/2022 13:48
Molybdenum	**1.0**	0.50	1	01/10/2022 13:48
Nickel	**43**	0.50	1	01/10/2022 13:48
Selenium	ND	0.50	1	01/10/2022 13:48
Silver	ND	0.50	1	01/10/2022 13:48
Thallium	ND	0.50	1	01/10/2022 13:48
Vanadium	**43**	0.50	1	01/10/2022 13:48
Zinc	**59**	5.0	1	01/10/2022 13:48

Surrogates	REC (%)	Limits	
Terbium	107	70-130	01/10/2022 13:48

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	SW3050B
Date Prepared:	01/07/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Ranch Farm	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B6-1	2201245-017A	Soil	01/07/2022	ICP-MS4 106SMPL.d	237013

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	01/10/2022 13:52
Arsenic	**3.5**	0.50	1	01/10/2022 13:52
Barium	**200**	5.0	1	01/10/2022 13:52
Beryllium	ND	0.50	1	01/10/2022 13:52
Cadmium	ND	0.50	1	01/10/2022 13:52
Chromium	**32**	0.50	1	01/10/2022 13:52
Cobalt	**11**	0.50	1	01/10/2022 13:52
Copper	**15**	0.50	1	01/10/2022 13:52
Lead	**9.9**	0.50	1	01/10/2022 13:52
Mercury	ND	0.050	1	01/10/2022 13:52
Molybdenum	ND	0.50	1	01/10/2022 13:52
Nickel	**31**	0.50	1	01/10/2022 13:52
Selenium	ND	0.50	1	01/10/2022 13:52
Silver	ND	0.50	1	01/10/2022 13:52
Thallium	ND	0.50	1	01/10/2022 13:52
Vanadium	**43**	0.50	1	01/10/2022 13:52
Zinc	**30**	5.0	1	01/10/2022 13:52

Surrogates	REC (%)	Limits	
Terbium	112	70-130	01/10/2022 13:52

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	TO15
Date Prepared:	01/07/2022-01/08/2022	**Analytical Method:**	TO15
Project:	2021-26; Brann Ranch Farm	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-1	2201245-019A	Air	01/07/2022	GC29 01072214.D	237107

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acrolein	ND	H	5.8	1	01/07/2022 22:29
Acrylonitrile	ND	H	4.4	1	01/07/2022 22:29
tert-Amyl methyl ether (TAME)	ND	H	8.5	1	01/07/2022 22:29
Benzene	ND	H	6.5	1	01/07/2022 22:29
Benzyl chloride	ND	H	11	1	01/07/2022 22:29
Bromodichloromethane	ND	H	14	1	01/07/2022 22:29
Bromoform	ND	H	21	1	01/07/2022 22:29
Bromomethane	ND	H	7.9	1	01/07/2022 22:29
1,3-Butadiene	ND	H	4.5	1	01/07/2022 22:29
2-Butanone (MEK)	ND	H	150	1	01/07/2022 22:29
Carbon Disulfide	ND	H	6.3	1	01/07/2022 22:29
Carbon Tetrachloride	ND	H	13	1	01/07/2022 22:29
Chlorobenzene	ND	H	9.4	1	01/07/2022 22:29
Chloroethane	ND	H	5.4	1	01/07/2022 22:29
Chloroform	ND	H	9.9	1	01/07/2022 22:29
Chloromethane	ND	H	4.2	1	01/07/2022 22:29
Cyclohexane	ND	H	18	1	01/07/2022 22:29
Dibromochloromethane	ND	H	17	1	01/07/2022 22:29
1,2-Dibromo-3-chloropropane	ND	H	20	1	01/07/2022 22:29
1,2-Dibromoethane (EDB)	ND	H	16	1	01/07/2022 22:29
1,2-Dichlorobenzene	ND	H	12	1	01/07/2022 22:29
1,3-Dichlorobenzene	ND	H	12	1	01/07/2022 22:29
1,4-Dichlorobenzene	ND	H	12	1	01/07/2022 22:29
Dichlorodifluoromethane	ND	H	10	1	01/07/2022 22:29
1,1-Dichloroethane	ND	H	8.2	1	01/07/2022 22:29
1,2-Dichloroethane (1,2-DCA)	ND	H	8.2	1	01/07/2022 22:29
1,1-Dichloroethene	ND	H	8.1	1	01/07/2022 22:29
cis-1,2-Dichloroethene	ND	H	8.1	1	01/07/2022 22:29
trans-1,2-Dichloroethene	ND	H	8.1	1	01/07/2022 22:29
1,2-Dichloropropane	ND	H	9.4	1	01/07/2022 22:29
cis-1,3-Dichloropropene	ND	H	9.2	1	01/07/2022 22:29
trans-1,3-Dichloropropene	ND	H	9.2	1	01/07/2022 22:29
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	H	14	1	01/07/2022 22:29
Diisopropyl ether (DIPE)	ND	H	8.5	1	01/07/2022 22:29
1,4-Dioxane	ND	H	7.3	1	01/07/2022 22:29
Ethyl acetate	ND	H	19	1	01/07/2022 22:29
Ethyl tert-butyl ether (ETBE)	ND	H	8.5	1	01/07/2022 22:29

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	TO15
Date Prepared:	01/07/2022-01/08/2022	**Analytical Method:**	TO15
Project:	2021-26; Brann Ranch Farm	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-1	2201245-019A	Air	01/07/2022	GC29 01072214.D	237107

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Ethylbenzene	ND	H	8.8	1	01/07/2022 22:29
4-Ethyltoluene	ND	H	10	1	01/07/2022 22:29
Freon 113	ND	H	16	1	01/07/2022 22:29
Heptane	ND	H	21	1	01/07/2022 22:29
Hexachlorobutadiene	ND	H	22	1	01/07/2022 22:29
Hexachloroethane	ND	H	20	1	01/07/2022 22:29
Hexane	ND	H	36	1	01/07/2022 22:29
2-Hexanone	ND	H	21	1	01/07/2022 22:29
4-Methyl-2-pentanone (MIBK)	ND	H	8.3	1	01/07/2022 22:29
Methyl-t-butyl ether (MTBE)	ND	H	7.3	1	01/07/2022 22:29
Methylene chloride	ND	H	18	1	01/07/2022 22:29
Styrene	ND	H	8.6	1	01/07/2022 22:29
1,1,1,2-Tetrachloroethane	ND	H	14	1	01/07/2022 22:29
1,1,2,2-Tetrachloroethane	ND	H	14	1	01/07/2022 22:29
Tetrachloroethene	ND	H	14	1	01/07/2022 22:29
Tetrahydrofuran	ND	H	6.0	1	01/07/2022 22:29
Toluene	ND	H	19	1	01/07/2022 22:29
1,2,4-Trichlorobenzene	ND	H	15	1	01/07/2022 22:29
1,1,1-Trichloroethane	ND	H	11	1	01/07/2022 22:29
1,1,2-Trichloroethane	ND	H	11	1	01/07/2022 22:29
Trichloroethene	ND	H	11	1	01/07/2022 22:29
1,2,3-Trichloropropane	ND	H	12	1	01/07/2022 22:29
Trichlorofluoromethane	ND	H	11	1	01/07/2022 22:29
1,2,4-Trimethylbenzene	ND	H	10	1	01/07/2022 22:29
1,3,5-Trimethylbenzene	ND	H	10	1	01/07/2022 22:29
Vinyl Acetate	ND	H	180	1	01/07/2022 22:29
Vinyl Chloride	ND	H	5.2	1	01/07/2022 22:29
m,p-Xylene	ND	H	18	1	01/07/2022 22:29
o-Xylene	ND	H	8.8	1	01/07/2022 22:29
Xylenes, Total	ND	H	8.8	1	01/07/2022 22:29

Surrogates	REC (%)	Qualifiers	Limits	
1,2-DCA-d4	106	H	70-130	01/07/2022 22:29
Toluene-d8	95	H	70-130	01/07/2022 22:29
4-BFB	106	H	70-130	01/07/2022 22:29

Analyst(s): JEM

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	TO15
Date Prepared:	01/07/2022-01/08/2022	**Analytical Method:**	TO15
Project:	2021-26; Brann Ranch Farm	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-2	2201245-020A	Air	01/07/2022	GC29 01072216.D	237107

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acrolein	ND	H	5.8	1	01/07/2022 23:56
Acrylonitrile	ND	H	4.4	1	01/07/2022 23:56
tert-Amyl methyl ether (TAME)	ND	H	8.5	1	01/07/2022 23:56
Benzene	ND	H	6.5	1	01/07/2022 23:56
Benzyl chloride	ND	H	11	1	01/07/2022 23:56
Bromodichloromethane	ND	H	14	1	01/07/2022 23:56
Bromoform	ND	H	21	1	01/07/2022 23:56
Bromomethane	ND	H	7.9	1	01/07/2022 23:56
1,3-Butadiene	ND	H	4.5	1	01/07/2022 23:56
2-Butanone (MEK)	ND	H	150	1	01/07/2022 23:56
Carbon Disulfide	ND	H	6.3	1	01/07/2022 23:56
Carbon Tetrachloride	ND	H	13	1	01/07/2022 23:56
Chlorobenzene	ND	H	9.4	1	01/07/2022 23:56
Chloroethane	ND	H	5.4	1	01/07/2022 23:56
Chloroform	ND	H	9.9	1	01/07/2022 23:56
Chloromethane	ND	H	4.2	1	01/07/2022 23:56
Cyclohexane	ND	H	18	1	01/07/2022 23:56
Dibromochloromethane	ND	H	17	1	01/07/2022 23:56
1,2-Dibromo-3-chloropropane	ND	H	20	1	01/07/2022 23:56
1,2-Dibromoethane (EDB)	ND	H	16	1	01/07/2022 23:56
1,2-Dichlorobenzene	ND	H	12	1	01/07/2022 23:56
1,3-Dichlorobenzene	ND	H	12	1	01/07/2022 23:56
1,4-Dichlorobenzene	ND	H	12	1	01/07/2022 23:56
Dichlorodifluoromethane	ND	H	10	1	01/07/2022 23:56
1,1-Dichloroethane	ND	H	8.2	1	01/07/2022 23:56
1,2-Dichloroethane (1,2-DCA)	ND	H	8.2	1	01/07/2022 23:56
1,1-Dichloroethene	ND	H	8.1	1	01/07/2022 23:56
cis-1,2-Dichloroethene	ND	H	8.1	1	01/07/2022 23:56
trans-1,2-Dichloroethene	ND	H	8.1	1	01/07/2022 23:56
1,2-Dichloropropane	ND	H	9.4	1	01/07/2022 23:56
cis-1,3-Dichloropropene	ND	H	9.2	1	01/07/2022 23:56
trans-1,3-Dichloropropene	ND	H	9.2	1	01/07/2022 23:56
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	H	14	1	01/07/2022 23:56
Diisopropyl ether (DIPE)	ND	H	8.5	1	01/07/2022 23:56
1,4-Dioxane	ND	H	7.3	1	01/07/2022 23:56
Ethyl acetate	ND	H	19	1	01/07/2022 23:56
Ethyl tert-butyl ether (ETBE)	ND	H	8.5	1	01/07/2022 23:56

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	TO15
Date Prepared:	01/07/2022-01/08/2022	**Analytical Method:**	TO15
Project:	2021-26; Brann Ranch Farm	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-2	2201245-020A	Air	01/07/2022	GC29 01072216.D	237107

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Ethylbenzene	ND	H	8.8	1	01/07/2022 23:56
4-Ethyltoluene	ND	H	10	1	01/07/2022 23:56
Freon 113	ND	H	16	1	01/07/2022 23:56
Heptane	ND	H	21	1	01/07/2022 23:56
Hexachlorobutadiene	ND	H	22	1	01/07/2022 23:56
Hexachloroethane	ND	H	20	1	01/07/2022 23:56
Hexane	ND	H	36	1	01/07/2022 23:56
2-Hexanone	ND	H	21	1	01/07/2022 23:56
4-Methyl-2-pentanone (MIBK)	ND	H	8.3	1	01/07/2022 23:56
Methyl-t-butyl ether (MTBE)	ND	H	7.3	1	01/07/2022 23:56
Methylene chloride	ND	H	18	1	01/07/2022 23:56
Styrene	ND	H	8.6	1	01/07/2022 23:56
1,1,1,2-Tetrachloroethane	ND	H	14	1	01/07/2022 23:56
1,1,2,2-Tetrachloroethane	ND	H	14	1	01/07/2022 23:56
Tetrachloroethene	ND	H	14	1	01/07/2022 23:56
Tetrahydrofuran	ND	H	6.0	1	01/07/2022 23:56
Toluene	ND	H	19	1	01/07/2022 23:56
1,2,4-Trichlorobenzene	ND	H	15	1	01/07/2022 23:56
1,1,1-Trichloroethane	ND	H	11	1	01/07/2022 23:56
1,1,2-Trichloroethane	ND	H	11	1	01/07/2022 23:56
Trichloroethene	ND	H	11	1	01/07/2022 23:56
1,2,3-Trichloropropane	ND	H	12	1	01/07/2022 23:56
Trichlorofluoromethane	ND	H	11	1	01/07/2022 23:56
1,2,4-Trimethylbenzene	ND	H	10	1	01/07/2022 23:56
1,3,5-Trimethylbenzene	ND	H	10	1	01/07/2022 23:56
Vinyl Acetate	ND	H	180	1	01/07/2022 23:56
Vinyl Chloride	ND	H	5.2	1	01/07/2022 23:56
m,p-Xylene	ND	H	18	1	01/07/2022 23:56
o-Xylene	ND	H	8.8	1	01/07/2022 23:56
Xylenes, Total	ND	H	8.8	1	01/07/2022 23:56

Surrogates	REC (%)	Qualifiers	Limits	
1,2-DCA-d4	107	H	70-130	01/07/2022 23:56
Toluene-d8	98	H	70-130	01/07/2022 23:56
4-BFB	104	H	70-130	01/07/2022 23:56

Analyst(s): JEM

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	TO15
Date Prepared:	01/07/2022-01/08/2022	**Analytical Method:**	TO15
Project:	2021-26; Brann Ranch Farm	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-3	2201245-021A	Air	01/07/2022	GC29 01072218.D	237107

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acrolein	ND	H	5.8	1	01/08/2022 01:22
Acrylonitrile	ND	H	4.4	1	01/08/2022 01:22
tert-Amyl methyl ether (TAME)	ND	H	8.5	1	01/08/2022 01:22
Benzene	ND	H	6.5	1	01/08/2022 01:22
Benzyl chloride	ND	H	11	1	01/08/2022 01:22
Bromodichloromethane	ND	H	14	1	01/08/2022 01:22
Bromoform	ND	H	21	1	01/08/2022 01:22
Bromomethane	ND	H	7.9	1	01/08/2022 01:22
1,3-Butadiene	ND	H	4.5	1	01/08/2022 01:22
2-Butanone (MEK)	ND	H	150	1	01/08/2022 01:22
Carbon Disulfide	ND	H	6.3	1	01/08/2022 01:22
Carbon Tetrachloride	ND	H	13	1	01/08/2022 01:22
Chlorobenzene	ND	H	9.4	1	01/08/2022 01:22
Chloroethane	ND	H	5.4	1	01/08/2022 01:22
Chloroform	ND	H	9.9	1	01/08/2022 01:22
Chloromethane	ND	H	4.2	1	01/08/2022 01:22
Cyclohexane	ND	H	18	1	01/08/2022 01:22
Dibromochloromethane	ND	H	17	1	01/08/2022 01:22
1,2-Dibromo-3-chloropropane	ND	H	20	1	01/08/2022 01:22
1,2-Dibromoethane (EDB)	ND	H	16	1	01/08/2022 01:22
1,2-Dichlorobenzene	ND	H	12	1	01/08/2022 01:22
1,3-Dichlorobenzene	ND	H	12	1	01/08/2022 01:22
1,4-Dichlorobenzene	ND	H	12	1	01/08/2022 01:22
Dichlorodifluoromethane	ND	H	10	1	01/08/2022 01:22
1,1-Dichloroethane	ND	H	8.2	1	01/08/2022 01:22
1,2-Dichloroethane (1,2-DCA)	ND	H	8.2	1	01/08/2022 01:22
1,1-Dichloroethene	ND	H	8.1	1	01/08/2022 01:22
cis-1,2-Dichloroethene	ND	H	8.1	1	01/08/2022 01:22
trans-1,2-Dichloroethene	ND	H	8.1	1	01/08/2022 01:22
1,2-Dichloropropane	ND	H	9.4	1	01/08/2022 01:22
cis-1,3-Dichloropropene	ND	H	9.2	1	01/08/2022 01:22
trans-1,3-Dichloropropene	ND	H	9.2	1	01/08/2022 01:22
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	H	14	1	01/08/2022 01:22
Diisopropyl ether (DIPE)	ND	H	8.5	1	01/08/2022 01:22
1,4-Dioxane	ND	H	7.3	1	01/08/2022 01:22
Ethyl acetate	ND	H	19	1	01/08/2022 01:22
Ethyl tert-butyl ether (ETBE)	ND	H	8.5	1	01/08/2022 01:22

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Received:	01/07/2022 12:44	**Extraction Method:**	TO15
Date Prepared:	01/07/2022-01/08/2022	**Analytical Method:**	TO15
Project:	2021-26; Brann Ranch Farm	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-3	2201245-021A	Air	01/07/2022	GC29 01072218.D	237107

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Ethylbenzene	**10**	H	8.8	1	01/08/2022 01:22
4-Ethyltoluene	ND	H	10	1	01/08/2022 01:22
Freon 113	ND	H	16	1	01/08/2022 01:22
Heptane	ND	H	21	1	01/08/2022 01:22
Hexachlorobutadiene	ND	H	22	1	01/08/2022 01:22
Hexachloroethane	ND	H	20	1	01/08/2022 01:22
Hexane	ND	H	36	1	01/08/2022 01:22
2-Hexanone	ND	H	21	1	01/08/2022 01:22
4-Methyl-2-pentanone (MIBK)	ND	H	8.3	1	01/08/2022 01:22
Methyl-t-butyl ether (MTBE)	ND	H	7.3	1	01/08/2022 01:22
Methylene chloride	ND	H	18	1	01/08/2022 01:22
Styrene	ND	H	8.6	1	01/08/2022 01:22
1,1,1,2-Tetrachloroethane	ND	H	14	1	01/08/2022 01:22
1,1,2,2-Tetrachloroethane	ND	H	14	1	01/08/2022 01:22
Tetrachloroethene	ND	H	14	1	01/08/2022 01:22
Tetrahydrofuran	ND	H	6.0	1	01/08/2022 01:22
Toluene	ND	H	19	1	01/08/2022 01:22
1,2,4-Trichlorobenzene	ND	H	15	1	01/08/2022 01:22
1,1,1-Trichloroethane	ND	H	11	1	01/08/2022 01:22
1,1,2-Trichloroethane	ND	H	11	1	01/08/2022 01:22
Trichloroethene	ND	H	11	1	01/08/2022 01:22
1,2,3-Trichloropropane	ND	H	12	1	01/08/2022 01:22
Trichlorofluoromethane	ND	H	11	1	01/08/2022 01:22
1,2,4-Trimethylbenzene	ND	H	10	1	01/08/2022 01:22
1,3,5-Trimethylbenzene	ND	H	10	1	01/08/2022 01:22
Vinyl Acetate	ND	H	180	1	01/08/2022 01:22
Vinyl Chloride	ND	H	5.2	1	01/08/2022 01:22
m,p-Xylene	**41**	H	18	1	01/08/2022 01:22
o-Xylene	**22**	H	8.8	1	01/08/2022 01:22
Xylenes, Total	**63**	H	8.8	1	01/08/2022 01:22

Surrogates	REC (%)	Qualifiers	Limits	
1,2-DCA-d4	106	H	70-130	01/08/2022 01:22
Toluene-d8	94	H	70-130	01/08/2022 01:22
4-BFB	106	H	70-130	01/08/2022 01:22

Analyst(s): JEM

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237020
Date Analyzed:	01/08/2022	**Extraction Method:**	SW3550B
Instrument:	GC23	**Analytical Method:**	SW8082
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237020

QC Summary Report for SW8082

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aroclor1016	ND	0.0320	0.0500	-	-	-
Aroclor1221	ND	0.0320	0.0500	-	-	-
Aroclor1232	ND	0.0320	0.0500	-	-	-
Aroclor1242	ND	0.0320	0.0500	-	-	-
Aroclor1248	ND	0.0320	0.0500	-	-	-
Aroclor1254	ND	0.0320	0.0500	-	-	-
Aroclor1260	ND	0.0320	0.0500	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.0628			0.05	125	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aroclor1016	0.144	0.144	0.15	96	96	70-130	0.298	20
Aroclor1260	0.156	0.160	0.15	104	107	70-130	2.26	20
Surrogate Recovery								
Decachlorobiphenyl	0.0591	0.0606	0.050	118	121	70-130	2.65	20

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237001
Date Analyzed:	01/10/2022	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237001

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.120	0.200	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.00120	0.00500	-	-	-
Benzene	ND	0.000950	0.00500	-	-	-
Bromobenzene	ND	0.00120	0.00500	-	-	-
Bromochloromethane	ND	0.00110	0.00500	-	-	-
Bromodichloromethane	ND	0.000230	0.00500	-	-	-
Bromoform	ND	0.00380	0.00500	-	-	-
Bromomethane	ND	0.00180	0.00500	-	-	-
2-Butanone (MEK)	ND	0.0400	0.100	-	-	-
t-Butyl alcohol (TBA)	ND	0.0240	0.0500	-	-	-
n-Butyl benzene	ND	0.00160	0.00500	-	-	-
sec-Butyl benzene	ND	0.00180	0.00500	-	-	-
tert-Butyl benzene	ND	0.00210	0.00500	-	-	-
Carbon Disulfide	0.00316,J	0.00110	0.00500	-	-	-
Carbon Tetrachloride	ND	0.000170	0.00500	-	-	-
Chlorobenzene	ND	0.00120	0.00500	-	-	-
Chloroethane	ND	0.00170	0.00500	-	-	-
Chloroform	ND	0.000320	0.00500	-	-	-
Chloromethane	ND	0.00170	0.00500	-	-	-
2-Chlorotoluene	ND	0.00160	0.00500	-	-	-
4-Chlorotoluene	ND	0.00130	0.00500	-	-	-
Dibromochloromethane	ND	0.000400	0.00500	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.000480	0.000500	-	-	-
1,2-Dibromoethane (EDB)	ND	0.000130	0.000250	-	-	-
Dibromomethane	ND	0.00120	0.00500	-	-	-
1,2-Dichlorobenzene	ND	0.00170	0.00500	-	-	-
1,3-Dichlorobenzene	ND	0.00150	0.00500	-	-	-
1,4-Dichlorobenzene	ND	0.00150	0.00500	-	-	-
Dichlorodifluoromethane	ND	0.000630	0.00500	-	-	-
1,1-Dichloroethane	ND	0.00150	0.00500	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0000700	0.000100	-	-	-
1,1-Dichloroethene	ND	0.000110	0.00500	-	-	-
cis-1,2-Dichloroethene	ND	0.00120	0.00500	-	-	-
trans-1,2-Dichloroethene	ND	0.00120	0.00500	-	-	-
1,2-Dichloropropane	ND	0.00130	0.00500	-	-	-
1,3-Dichloropropane	ND	0.000880	0.00500	-	-	-
2,2-Dichloropropane	ND	0.00190	0.00500	-	-	-
1,1-Dichloropropene	ND	0.00180	0.00500	-	-	-

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237001
Date Analyzed:	01/10/2022	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237001

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.000980	0.00500	-	-	-
trans-1,3-Dichloropropene	ND	0.000970	0.00500	-	-	-
Diisopropyl ether (DIPE)	ND	0.00180	0.00500	-	-	-
Ethylbenzene	ND	0.00110	0.00500	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.00140	0.00500	-	-	-
Freon 113	ND	0.00110	0.00500	-	-	-
Hexachlorobutadiene	ND	0.00120	0.00500	-	-	-
Hexachloroethane	ND	0.000640	0.00500	-	-	-
2-Hexanone	0.00304,J	0.00270	0.00500	-	-	-
Isopropylbenzene	ND	0.00180	0.00500	-	-	-
4-Isopropyl toluene	ND	0.00190	0.00500	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.00150	0.00500	-	-	-
Methylene chloride	ND	0.0120	0.0200	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00170	0.00500	-	-	-
Naphthalene	ND	0.00300	0.00500	-	-	-
n-Propyl benzene	ND	0.00190	0.00500	-	-	-
Styrene	ND	0.00140	0.00500	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.00130	0.00500	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.000440	0.00500	-	-	-
Tetrachloroethene	ND	0.000290	0.00500	-	-	-
Toluene	ND	0.00160	0.00500	-	-	-
1,2,3-Trichlorobenzene	ND	0.00210	0.00500	-	-	-
1,2,4-Trichlorobenzene	ND	0.00160	0.00500	-	-	-
1,1,1-Trichloroethane	ND	0.00160	0.00500	-	-	-
1,1,2-Trichloroethane	ND	0.00120	0.00500	-	-	-
Trichloroethene	ND	0.00140	0.00500	-	-	-
Trichlorofluoromethane	ND	0.00130	0.00500	-	-	-
1,2,3-Trichloropropane	ND	0.000170	0.000250	-	-	-
1,2,4-Trimethylbenzene	ND	0.00160	0.00500	-	-	-
1,3,5-Trimethylbenzene	ND	0.00170	0.00500	-	-	-
Vinyl Chloride	ND	0.000120	0.000250	-	-	-
m,p-Xylene	ND	0.00260	0.00500	-	-	-
o-Xylene	ND	0.00140	0.00500	-	-	-

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237001
Date Analyzed:	01/10/2022	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237001

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.131			0.125	105	70-140
Toluene-d8	0.143			0.125	114	70-140
4-BFB	0.0160			0.0125	128	70-140
Benzene-d6	0.130			0.1	130	70-140
Ethylbenzene-d10	0.139			0.1	139	70-140
1,2-DCB-d4	0.111			0.1	111	70-140

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237001
Date Analyzed:	01/10/2022	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237001

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.288	0.281	0.20	144,F2	140	60-140	2.45	20
tert-Amyl methyl ether (TAME)	0.0187	0.0196	0.020	93	98	50-140	5.05	20
Benzene	0.0187	0.0198	0.020	94	99	60-140	5.73	20
Bromobenzene	0.0204	0.0218	0.020	102	109	60-140	6.77	20
Bromochloromethane	0.0185	0.0198	0.020	92	99	60-140	6.94	20
Bromodichloromethane	0.0192	0.0199	0.020	96	99	60-140	3.73	20
Bromoform	0.0157	0.0161	0.020	79	80	40-140	2.26	20
Bromomethane	0.0211	0.0227	0.020	105	114	30-140	7.55	20
2-Butanone (MEK)	0.0934	0.0943	0.080	117	118	50-140	0.917	20
t-Butyl alcohol (TBA)	0.0690	0.0902	0.080	86	113	50-140	26.7,F2	20
n-Butyl benzene	0.0245	0.0266	0.020	122	133	60-150	8.23	20
sec-Butyl benzene	0.0203	0.0221	0.020	102	111	60-150	8.38	20
tert-Butyl benzene	0.0212	0.0230	0.020	106	115	60-140	8.25	20
Carbon Disulfide	0.0211	0.0221	0.020	106	110	50-140	4.37	20
Carbon Tetrachloride	0.0208	0.0222	0.020	104	111	60-140	6.62	20
Chlorobenzene	0.0176	0.0185	0.020	88	93	60-140	5.34	20
Chloroethane	0.0204	0.0212	0.020	102	106	50-140	3.89	20
Chloroform	0.0196	0.0205	0.020	98	103	60-140	4.93	20
Chloromethane	0.0196	0.0210	0.020	98	105	20-140	6.58	20
2-Chlorotoluene	0.0195	0.0209	0.020	97	104	60-140	7.13	20
4-Chlorotoluene	0.0196	0.0209	0.020	98	104	60-140	6.26	20
Dibromochloromethane	0.0188	0.0195	0.020	94	98	50-140	3.47	20
1,2-Dibromo-3-chloropropane	0.0101	0.0103	0.010	101	103	30-140	1.58	20
1,2-Dibromoethane (EDB)	0.00983	0.0102	0.010	98	102	40-140	4.03	20
Dibromomethane	0.0194	0.0202	0.020	97	101	60-140	4.30	20
1,2-Dichlorobenzene	0.0161	0.0165	0.020	80	83	60-140	2.93	20
1,3-Dichlorobenzene	0.0177	0.0184	0.020	88	92	60-140	3.84	20
1,4-Dichlorobenzene	0.0178	0.0180	0.020	89	90	60-140	1.30	20
Dichlorodifluoromethane	0.0133	0.0152	0.020	66	76	10-140	13.5	20
1,1-Dichloroethane	0.0206	0.0215	0.020	103	108	60-140	4.31	20
1,2-Dichloroethane (1,2-DCA)	0.0198	0.0206	0.020	99	103	60-140	4.01	20
1,1-Dichloroethene	0.0195	0.0204	0.020	97	102	60-140	4.88	20
cis-1,2-Dichloroethene	0.0194	0.0204	0.020	97	102	60-140	5.04	20
trans-1,2-Dichloroethene	0.0190	0.0203	0.020	95	102	60-140	6.56	20
1,2-Dichloropropane	0.0197	0.0207	0.020	98	103	60-140	5.00	20
1,3-Dichloropropane	0.0187	0.0204	0.020	93	102	60-140	8.70	20
2,2-Dichloropropane	0.0220	0.0233	0.020	110	116	60-140	5.59	20
1,1-Dichloropropene	0.0204	0.0214	0.020	102	107	60-140	5.03	20

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237001
Date Analyzed:	01/10/2022	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237001

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.0209	0.0222	0.020	104	111	60-140	5.96	20
trans-1,3-Dichloropropene	0.0213	0.0223	0.020	107	111	60-140	4.42	20
Diisopropyl ether (DIPE)	0.0194	0.0201	0.020	97	100	60-140	3.33	20
Ethylbenzene	0.0194	0.0206	0.020	97	103	60-140	6.21	20
Ethyl tert-butyl ether (ETBE)	0.0196	0.0204	0.020	98	102	60-140	4.38	20
Freon 113	0.0187	0.0193	0.020	93	97	50-140	3.33	20
Hexachlorobutadiene	0.0214	0.0220	0.020	107	110	60-140	3.02	20
Hexachloroethane	0.0228	0.0240	0.020	114	120	60-140	5.43	20
2-Hexanone	0.0205	0.0208	0.020	102	104	40-140	1.59	20
Isopropylbenzene	0.0239	0.0259	0.020	119	129	60-140	8.10	20
4-Isopropyl toluene	0.0236	0.0257	0.020	118	128	60-150	8.20	20
Methyl-t-butyl ether (MTBE)	0.0201	0.0202	0.020	101	101	50-140	0.511	20
Methylene chloride	0.0203	0.0213	0.020	101	107	60-140	4.98	20
4-Methyl-2-pentanone (MIBK)	0.0194	0.0188	0.020	97	94	50-140	2.69	20
Naphthalene	0.0119	0.0113	0.020	60	56	30-140	5.50	20
n-Propyl benzene	0.0223	0.0233	0.020	112	116	60-140	4.17	20
Styrene	0.0168	0.0177	0.020	84	88	60-140	5.01	20
1,1,1,2-Tetrachloroethane	0.0180	0.0186	0.020	90	93	60-140	3.46	20
1,1,2,2-Tetrachloroethane	0.0214	0.0220	0.020	107	110	40-140	2.48	20
Tetrachloroethene	0.0191	0.0206	0.020	96	103	60-140	7.32	20
Toluene	0.0188	0.0201	0.020	94	101	60-140	6.93	20
1,2,3-Trichlorobenzene	0.0128	0.0131	0.020	64	65	40-140	1.99	20
1,2,4-Trichlorobenzene	0.0161	0.0157	0.020	81	78	50-140	2.99	20
1,1,1-Trichloroethane	0.0199	0.0214	0.020	100	107	60-140	7.18	20
1,1,2-Trichloroethane	0.0191	0.0199	0.020	95	100	60-140	4.41	20
Trichloroethene	0.0185	0.0195	0.020	93	98	60-140	5.36	20
Trichlorofluoromethane	0.0193	0.0203	0.020	96	101	50-140	5.04	20
1,2,3-Trichloropropane	0.0120	0.0124	0.010	120	124	40-140	3.04	20
1,2,4-Trimethylbenzene	0.0215	0.0227	0.020	108	114	30-140	5.26	20
1,3,5-Trimethylbenzene	0.0232	0.0248	0.020	116	124	60-140	7.05	20
Vinyl Chloride	0.00991	0.0105	0.010	99	105	30-140	5.46	20
m,p-Xylene	0.0362	0.0384	0.040	91	96	60-140	5.91	20
o-Xylene	0.0177	0.0185	0.020	88	92	60-140	4.44	20

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237001
Date Analyzed:	01/10/2022	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237001

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.119	0.119	0.12	95	95	70-140	0.167	20
Toluene-d8	0.125	0.126	0.12	100	101	70-140	0.758	20
4-BFB	0.0135	0.0139	0.012	108	111	70-140	2.78	20
Benzene-d6	0.109	0.117	0.10	109	117	70-140	6.99	20
Ethylbenzene-d10	0.119	0.129	0.10	119	129	70-140	8.42	20
1,2-DCB-d4	0.0905	0.0942	0.10	91	94	70-140	3.97	20

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237013
Date Analyzed:	01/10/2022	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237013

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.160	0.500	-	-	-
Arsenic	ND	0.140	0.500	-	-	-
Barium	ND	0.680	5.00	-	-	-
Beryllium	ND	0.0830	0.500	-	-	-
Cadmium	ND	0.0940	0.500	-	-	-
Chromium	ND	0.130	0.500	-	-	-
Cobalt	ND	0.0690	0.500	-	-	-
Copper	ND	0.230	0.500	-	-	-
Lead	ND	0.0690	0.500	-	-	-
Mercury	ND	0.0380	0.0500	-	-	-
Molybdenum	ND	0.140	0.500	-	-	-
Nickel	ND	0.0810	0.500	-	-	-
Selenium	ND	0.320	0.500	-	-	-
Silver	ND	0.110	0.500	-	-	-
Thallium	ND	0.0720	0.500	-	-	-
Vanadium	ND	0.150	0.500	-	-	-
Zinc	ND	3.20	5.00	-	-	-
Surrogate Recovery						
Terbium	528			500	106	70-130

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237013
Date Analyzed:	01/10/2022	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237013

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	45.9	46.6	50	92	93	75-125	1.54	20
Arsenic	48.1	49.3	50	96	99	75-125	2.50	20
Barium	471	481	500	94	96	75-125	2.23	20
Beryllium	47.2	47.6	50	94	95	75-125	0.698	20
Cadmium	45.6	47.0	50	91	94	75-125	2.89	20
Chromium	47.6	48.0	50	95	96	75-125	0.762	20
Cobalt	47.6	47.2	50	95	94	75-125	0.890	20
Copper	48.1	48.3	50	96	97	75-125	0.442	20
Lead	46.3	47.1	50	93	94	75-125	1.64	20
Mercury	1.18	1.22	1.25	94	97	75-125	3.17	20
Molybdenum	47.7	48.5	50	95	97	75-125	1.76	20
Nickel	48.5	48.9	50	97	98	75-125	0.815	20
Selenium	47.8	48.3	50	96	97	75-125	1.03	20
Silver	45.8	46.9	50	92	94	75-125	2.43	20
Thallium	45.8	47.5	50	92	95	75-125	3.54	20
Vanadium	47.6	48.3	50	95	97	75-125	1.38	20
Zinc	474	477	500	95	95	75-125	0.546	20
Surrogate Recovery								
Terbium	532	528	500	106	106	70-130	0.864	20

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237107
Date Analyzed:	01/07/2022	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	Tedlar	**Unit:**	µg/m³
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237107

QC Summary Report for TO15

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	120	120	-	-	-
Acrolein	ND	5.80	5.80	-	-	-
Acrylonitrile	ND	4.40	4.40	-	-	-
tert-Amyl methyl ether (TAME)	ND	8.50	8.50	-	-	-
Benzene	ND	6.50	6.50	-	-	-
Benzyl chloride	ND	11.0	11.0	-	-	-
Bromodichloromethane	ND	14.0	14.0	-	-	-
Bromoform	ND	21.0	21.0	-	-	-
Bromomethane	ND	7.90	7.90	-	-	-
1,3-Butadiene	ND	4.50	4.50	-	-	-
2-Butanone (MEK)	ND	150	150	-	-	-
Carbon Disulfide	ND	6.30	6.30	-	-	-
Carbon Tetrachloride	ND	13.0	13.0	-	-	-
Chlorobenzene	ND	9.40	9.40	-	-	-
Chloroethane	ND	5.40	5.40	-	-	-
Chloroform	ND	9.90	9.90	-	-	-
Chloromethane	ND	4.20	4.20	-	-	-
Cyclohexane	ND	18.0	18.0	-	-	-
Dibromochloromethane	ND	17.0	17.0	-	-	-
1,2-Dibromo-3-chloropropane	ND	20.0	20.0	-	-	-
1,2-Dibromoethane (EDB)	ND	16.0	16.0	-	-	-
1,2-Dichlorobenzene	ND	12.0	12.0	-	-	-
1,3-Dichlorobenzene	ND	12.0	12.0	-	-	-
1,4-Dichlorobenzene	ND	12.0	12.0	-	-	-
Dichlorodifluoromethane	ND	10.0	10.0	-	-	-
1,1-Dichloroethane	ND	8.20	8.20	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	8.20	8.20	-	-	-
1,1-Dichloroethene	ND	8.10	8.10	-	-	-
cis-1,2-Dichloroethene	ND	8.10	8.10	-	-	-
trans-1,2-Dichloroethene	ND	8.10	8.10	-	-	-
1,2-Dichloropropane	ND	9.40	9.40	-	-	-
cis-1,3-Dichloropropene	ND	9.20	9.20	-	-	-
trans-1,3-Dichloropropene	ND	9.20	9.20	-	-	-
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	14.0	14.0	-	-	-
Diisopropyl ether (DIPE)	ND	8.50	8.50	-	-	-
1,4-Dioxane	ND	7.30	7.30	-	-	-
Ethyl acetate	ND	19.0	19.0	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	8.50	8.50	-	-	-

(Cont.)

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237107
Date Analyzed:	01/07/2022	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	Tedlar	**Unit:**	µg/m³
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237107

QC Summary Report for TO15

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Ethylbenzene	ND	8.80	8.80	-	-	-
4-Ethyltoluene	ND	10.0	10.0	-	-	-
Freon 113	ND	16.0	16.0	-	-	-
Heptane	ND	21.0	21.0	-	-	-
Hexachlorobutadiene	ND	22.0	22.0	-	-	-
Hexachloroethane	ND	20.0	20.0	-	-	-
Hexane	ND	36.0	36.0	-	-	-
2-Hexanone	ND	21.0	21.0	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	8.30	8.30	-	-	-
Methyl-t-butyl ether (MTBE)	ND	7.30	7.30	-	-	-
Methylene chloride	ND	18.0	18.0	-	-	-
Styrene	ND	8.60	8.60	-	-	-
1,1,1,2-Tetrachloroethane	ND	14.0	14.0	-	-	-
1,1,2,2-Tetrachloroethane	ND	14.0	14.0	-	-	-
Tetrachloroethene	ND	14.0	14.0	-	-	-
Tetrahydrofuran	ND	6.00	6.00	-	-	-
Toluene	ND	19.0	19.0	-	-	-
1,2,4-Trichlorobenzene	ND	15.0	15.0	-	-	-
1,1,1-Trichloroethane	ND	11.0	11.0	-	-	-
1,1,2-Trichloroethane	ND	11.0	11.0	-	-	-
Trichloroethene	ND	11.0	11.0	-	-	-
1,2,3-Trichloropropane	ND	12.0	12.0	-	-	-
Trichlorofluoromethane	ND	11.0	11.0	-	-	-
1,2,4-Trimethylbenzene	ND	10.0	10.0	-	-	-
1,3,5-Trimethylbenzene	ND	10.0	10.0	-	-	-
Vinyl Acetate	ND	180	180	-	-	-
Vinyl Chloride	ND	5.20	5.20	-	-	-
m,p-Xylene	ND	18.0	18.0	-	-	-
o-Xylene	ND	8.80	8.80	-	-	-
Surrogate Recovery						
1,2-DCA-d4	543			500	109	70-130
Toluene-d8	497			500	99	70-130
4-BFB	469			500	94	70-130

(Cont.)

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237107
Date Analyzed:	01/07/2022	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	Tedlar	**Unit:**	µg/m³
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237107

QC Summary Report for TO15

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	7.65	7.65	6	127	127	60-140	0.00458	25
Acrolein	6.32	5.68	5.825	109	97	60-140	10.8	25
Acrylonitrile	5.77	5.31	5.5	105	96	60-140	8.31	25
tert-Amyl methyl ether (TAME)	8.84	8.83	10.5	84	84	60-140	0.0949	25
Benzene	8.07	8.14	8	101	102	60-140	0.812	25
Benzyl chloride	11.3	11.3	13.25	85	85	60-140	0.0682	25
Bromodichloromethane	21.2	21.4	17.5	121	123	60-140	1.16	25
Bromoform	26.1	26.0	26.25	100	99	60-140	0.508	25
Bromomethane	9.67	9.56	9.75	99	98	60-140	1.18	25
1,3-Butadiene	10.3	12.0	5.5	188,F2	218,F2	60-140	14.6	25
2-Butanone (MEK)	8.49	8.31	7.5	113	111	60-140	2.17	25
Carbon Disulfide	8.06	8.12	8	101	101	60-140	0.709	25
Carbon Tetrachloride	18.3	18.5	16	115	116	60-140	0.902	25
Chlorobenzene	11.9	11.9	11.75	102	101	60-140	0.182	25
Chloroethane	7.46	7.33	6.7	111	109	60-140	1.86	25
Chloroform	14.0	14.1	12.25	114	115	60-140	0.886	25
Chloromethane	5.91	5.98	5.25	113	114	60-140	1.16	25
Cyclohexane	8.95	9.28	8.75	102	106	60-140	3.68	25
Dibromochloromethane	22.2	22.2	21.7	102	102	60-140	0.0180	25
1,2-Dibromo-3-chloropropane	25.0	25.3	24.5	102	103	60-140	1.08	25
1,2-Dibromoethane (EDB)	23.6	23.5	19.5	121	120	60-140	0.593	25
1,2-Dichlorobenzene	16.0	15.8	15.25	105	104	60-140	0.964	25
1,3-Dichlorobenzene	16.1	16.2	15.25	105	106	60-140	0.751	25
1,4-Dichlorobenzene	16.1	16.0	15.25	105	105	60-140	0.253	25
Dichlorodifluoromethane	12.6	12.8	12.5	101	102	60-140	1.52	25
1,1-Dichloroethane	11.3	11.3	10.25	110	110	60-140	0.0321	25
1,2-Dichloroethane (1,2-DCA)	11.6	11.7	10.25	113	114	60-140	0.870	25
1,1-Dichloroethene	10.0	9.94	10	100	99	60-140	0.786	25
cis-1,2-Dichloroethene	10.1	10.2	10	101	102	60-140	1.10	25
trans-1,2-Dichloroethene	9.61	10.2	10	96	102	60-140	5.82	25
1,2-Dichloropropane	13.8	13.9	11.75	117	118	60-140	0.886	25
cis-1,3-Dichloropropene	12.8	12.8	11.5	111	112	60-140	0.294	25
trans-1,3-Dichloropropene	13.2	13.1	11.5	114	114	60-140	0.613	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	20.9	21.0	17.75	118	118	60-140	0.554	25
Diisopropyl ether (DIPE)	10.1	10.4	10.5	97	99	60-140	2.37	25
1,4-Dioxane	10.5	10.7	9.25	114	116	60-140	1.55	25
Ethyl acetate	11.5	11.6	9.25	124	125	60-140	0.560	25
Ethyl tert-butyl ether (ETBE)	9.32	9.18	10.5	89	87	60-140	1.50	25

(Cont.)

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201245
Date Prepared:	01/07/2022	**BatchID:**	237107
Date Analyzed:	01/07/2022	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	Tedlar	**Unit:**	µg/m³
Project:	2021-26; Brann Ranch Farm	**Sample ID:**	MB/LCS/LCSD-237107

QC Summary Report for TO15

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ethylbenzene	11.1	11.1	11	101	101	60-140	0.0145	25
4-Ethyltoluene	12.4	12.4	12.5	99	99	60-140	0.0299	25
Freon 113	19.6	19.7	19.5	100	101	60-140	0.683	25
Heptane	11.3	11.5	10.5	108	109	60-140	1.31	25
Hexachlorobutadiene	26.8	27.0	27	99	100	60-140	0.883	25
Hexachloroethane	18.2	18.2	24.6	74	74	60-140	0.246	25
Hexane	9.44	9.69	9	105	108	60-140	2.60	25
2-Hexanone	13.0	13.4	10.5	124	128	60-140	3.30	25
4-Methyl-2-pentanone (MIBK)	12.4	12.2	10.5	118	116	60-140	1.56	25
Methyl-t-butyl ether (MTBE)	9.30	9.08	9.25	101	98	60-140	2.37	25
Methylene chloride	8.96	9.13	8.75	102	104	60-140	1.86	25
Styrene	10.5	10.5	10.75	98	98	60-140	0.385	25
1,1,1,2-Tetrachloroethane	16.8	16.7	17.5	96	95	60-140	1.02	25
1,1,2,2-Tetrachloroethane	21.7	21.6	17.5	124	123	60-140	0.406	25
Tetrachloroethene	16.5	16.3	17.55	94	93	60-140	1.45	25
Tetrahydrofuran	8.53	8.54	7.5	114	114	60-140	0.169	25
Toluene	9.70	9.62	9.5	102	101	60-140	0.887	25
1,2,4-Trichlorobenzene	18.3	18.3	18.75	97	97	60-140	0.0346	25
1,1,1-Trichloroethane	13.4	13.2	13.75	98	96	60-140	1.64	25
1,1,2-Trichloroethane	16.6	16.5	13.75	121	120	60-140	0.322	25
Trichloroethene	14.5	14.7	13.75	106	107	60-140	0.888	25
1,2,3-Trichloropropane	13.6	13.2	15.32	89	86	60-140	2.36	25
Trichlorofluoromethane	14.2	14.2	14.25	100	100	60-140	0.169	25
1,2,4-Trimethylbenzene	12.3	12.4	12.5	99	100	60-140	0.809	25
1,3,5-Trimethylbenzene	12.2	12.0	12.5	98	96	60-140	1.64	25
Vinyl Acetate	8.80	9.08	9	98	101	60-140	3.17	25
Vinyl Chloride	7.98	8.56	6.5	123	132	60-140	7.09	25
m,p-Xylene	21.8	21.9	22	99	99	60-140	0.246	25
o-Xylene	10.8	11.0	11	98	100	60-140	1.54	25
Surrogate Recovery								
1,2-DCA-d4	541	545	500	108	109	60-140	0.828	25
Toluene-d8	510	507	500	102	101	60-140	0.603	25
4-BFB	460	465	500	92	93	60-140	1.09	25

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2201245 **ClientCode: GSP**

☐ WaterTrax ☐ CLIP ☐ EDF ☒ EQuIS ☒ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☐ Excel

Report to:
Rob Campbell
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
(925) 963-1198 FAX:

Email: rcampbell@geosolve-inc.com
cc/3rd Party:
PO: 2021-26
Project: 2021-26; Brann Ranch Farm

Bill to:
Accounts Payable
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
rcampbell@geosolve-inc.com

Requested TAT: **5 days;**

Date Received: **01/07/2022**
Date Logged: **01/07/2022**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2201245-001	B1-0.5	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-002	B1-1	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-003	B1-5	Soil	1/7/2022 00:00	☑				A	A							
2201245-004	B2-0.5	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-005	B2-1	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-006	B2-5	Soil	1/7/2022 00:00	☑				A	A							
2201245-007	B3-0.5	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-008	B3-1	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-009	B3-5	Soil	1/7/2022 00:00	☑				A	A							
2201245-010	B4-0.5	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-011	B4-1	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-012	B4-5	Soil	1/7/2022 00:00	☑				A	A							
2201245-013	B5-0.5	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-014	B5-1	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-015	B5-5	Soil	1/7/2022 00:00	☑				A	A							

Test Legend:

1	8082_PCB_S	2	8260B_S	3	CAM17MS_TTLC_S	4	PRDisposal Fee
5	PRHOLD	6	TO15_TEDLAR(UG/M3)	7		8	
9		10		11		12	

Prepared by: Valerie Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2201245 **ClientCode: GSP**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☐ Excel

Report to:
Rob Campbell
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
(925) 963-1198 FAX:

Email: rcampbell@geosolve-inc.com
cc/3rd Party:
PO: 2021-26
Project: 2021-26; Brann Ranch Farm

Bill to:
Accounts Payable
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
rcampbell@geosolve-inc.com

Requested TAT: 5 days;

Date Received: **01/07/2022**
Date Logged: **01/07/2022**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2201245-016	B6-0.5	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-017	B6-1	Soil	1/7/2022 00:00	☐	A	A	A	A								
2201245-018	B6-5	Soil	1/7/2022 00:00	☑				A	A							
2201245-019	SG-1	Air	1/7/2022 00:00	☐						A						
2201245-020	SG-2	Air	1/7/2022 00:00	☐						A						
2201245-021	SG-3	Air	1/7/2022 00:00	☐						A						

Test Legend:

1	8082_PCB_S	2	8260B_S	3	CAM17MS_TTLC_S	4	PRDisposal Fee
5	PRHOLD	6	TO15_TEDLAR(UG/M3)	7		8	
9		10		11		12	

Prepared by: Valerie Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2021-26; Brann Ranch Farm **Work Order:** 2201245
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** **Date Logged:** 1/7/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	B1-0.5	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
002A	B1-1	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
004A	B2-0.5	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
005A	B2-1	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
007A	B3-0.5	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2021-26; Brann Ranch Farm **Work Order:** 2201245
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** **Date Logged:** 1/7/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
008A	B3-1	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
010A	B4-0.5	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
011A	B4-1	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
013A	B5-0.5	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
014A	B5-1	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2021-26; Brann Ranch Farm **Work Order:** 2201245
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** **Date Logged:** 1/7/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
016A	B6-0.5	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
017A	B6-1	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	1/14/2022		☐	☐
			SW8082 (PCBs Only)			☐	☐	☐		5 days	1/14/2022		☐	☐
019A	SG-1	Air	TO15 (VOCs) (µg/m³)	1	Tedlar	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
020A	SG-2	Air	TO15 (VOCs) (µg/m³)	1	Tedlar	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐
021A	SG-3	Air	TO15 (VOCs) (µg/m³)	1	Tedlar	☐	☐	☐	1/7/2022	5 days	1/14/2022		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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General COC

MAI Work Order # 2201245

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush		STD	●	Quote #					
J-Flag / MDL		ESL		Cleanup Approved		Dry Weight		Bottle Order #						
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		Detect Summary					

Report To: Rob Campbell Bill To: GeoSolve, Inc.
Company: GeoSolve, Inc.
Address: 111 Bank Street, Suite 392, Grass Valley, CA 95945
Email: rcampbell@geosolve-inc.com Tele: (925) 963-1198
Project Name: Brann Ranch Farm Project #: 2021-26
Project Location: 7989 Hwy 12, Rio Vista, CA PO # 2021-26
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Multi Range as Gas, Diesel, and Motor Oil (8021/8015)	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)*	Baylands Requirements	Lab to filter sample for dissolved metals analysis	Pb1			
B1 – 0.5	1.7.22		1	Soil	Ice									X	X			X							
B1 – 1			1											X	X			X							
B1 – 5			1																			X			
B2 – 0.5			1											X	X			X							
B2 – 1			1											X	X			X							
B2 – 5			1																			X			
B3 – 0.5			1											X	X			X							
B3 – 1			1											X	X			X							
B3 – 5			1																			X			
B4 – 0.5			1											X	X			X							

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	1.7.22		E Campbell	1.7.22	
Eric Campbell	1.7.22	1244		1.7.22	1244

Comments / Instructions
(*) If Pb, As or Hg > 50 ppm then STLC

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 1.6 °C Initials TP.
WET

General COC

MAI Work Order # 2201245

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Dry Weight | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | Detect Summary

Report To: Rob Campbell — Bill To: GeoSolve, Inc.
Company: GeoSolve, Inc.
Address: 111 Bank Street, Suite 392, Grass Valley, CA 95945
Email: rcampbell@geosolve-inc.com — Tele: (925) 963-1198
Project Name: Brann Ranch Farm — Project #: 2021-26
Project Location: 7989 Hwy 12, Rio Vista, CA — PO # 2021-26
Sampler Signature:

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Multi Range as Gas, Diesel, and Motor Oil (8021/8015)	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silca Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)*	Baylands Requirements	Lab to filter sample for dissolved metals analysis	Pb-H	51-01	VOCs
B4-1	1.7.22		1	soil	Ice									X	X			X						
B4-5			1																			X		
B5-0.5			1											X	X			X						
B5-1			1											X	X			X						
B5-5			1																			X		
B6-0.5			1											X	X			X						
B6-1			1											X	X			X						
B6-5			1																			X		
SG-1			1	soil-gas																			X	
SG-2			1																				X	
SG-3			1																				X	

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions
(*) If As, Pb or Hg > 50 ppm, then STLC

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	1.7.22		E Campbell TEC	1.7.22	
Eric Campbell TEC	1-7-22	1244		1.7.22	1744

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

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Sample Receipt Checklist

Client Name:	**Geosolve, Inc.**	Date and Time Received:	**1/7/2022 12:44**
Project:	**2021-26; Brann Ranch Farm**	Date Logged:	**1/7/2022**
		Received by:	Tina Perez
WorkOrder №:	**2201245** Matrix: Air/Soil	Logged by:	Valerie Alfaro
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☐	No	☑	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 1.6°C				NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA ☑

Comments: Method TO15 (VOCs) (µg/m³) was received past its 0.25-day holding time.

GeoSolve, Inc.®
Geoscience Solutions rather than Status-Quo

Visit us at www.geosolve-inc.com

Project No. 2021-26
January 28, 2022

Mr. David Jacobson, CFA
Vice President of Land Acquisition
Encore Liberty II, LLC
770 Tamalpais Drive, Site 401B
Corte Madera, California 94925

Subject: **SURFICIAL SOIL PHASE II ENVIRONMENTAL SITE ASSESSMENT**
Brann Property - 6.92 Acres
APN 0048-110-100 and 0048-110-490
7983, 7985, 7987, and 7989 Highway 12
Rio Vista, California

Reference:
1) Phase I Environmental Site Assessment at 7983, 7985, 7987, and 7989 Highway 12, Rio Vista, California
By ***GeoSolve, Inc.***
Dated October 21, 2021

2) Phase II Environmental Site Assessment at 7983, 7985, 7987, and 7989 Highway 12, Rio Vista, California
By ***GeoSolve, Inc.***
Dated January 20, 2022

Dear Mr. Jacobson:

At your request, ***GeoSolve, Inc.*** presents our Surficial Soil Phase II Environmental Site Assessment (ESA) for the above referenced site. The subject property is located at 7983, 7985, 7987, and 7989 Highway 12 in Rio Vista, California, with Assessor's Parcel Numbers (APNs) 0048-110-100 and 0048-110-490, and is occupied by the former Brann Family Farm, which encompasses approximately 6.92-acres of land. The site vicinity is shown on Figure 1 and the site plan is shown on Figure 2.

Based on the Phase I ESA prepared by ***GeoSolve, Inc.*** (Reference 1), the following was concluded:

- RECs for the subject site include the following: 1) volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and metals maybe present beneath the shop building in surficial soil; 2) potential residual arsenic and organochlorine pesticides in shallow soil

from historical agricultural use; 3) potential for asbestos containing materials (ACM) and lead-based paint (LBP) on and within the structures at the site; and 4) potential for lead in the surficial soil due to potential lead-based paint on the structures and burned residence on the northern portion of the property.

This Phase II ESA focused on the former shop and surrounding area of the site as RECs 2 and 4. REC 1 was evaluated in our Phase II ESA (Reference 2).

The purpose of this work was to evaluate the lateral extents of potential organochloride pesticides, arsenic, and lead in the surficial soil around the property. This work was performed in accordance with our signed Proposal No. 21-57 dated December 10, 2021.

Surficial Soil Sampling Activities

On January 24, 2022, a ***GeoSolve, Inc.*** field geologist visited the subject site and randomly collected ten (10) surficial soil samples (S-1 through S-10) at 0.5-foot below ground surface (bgs) using a shovel and laboratory supplied glass jars. The soil samples were sealed, labeled, and placed within a pre-chilled ice-chest for temporary storage. The surficial soil samples were immediately delivered to McCampbell Analytical, Inc., a State-certified hazardous waste testing laboratory (Certification No. 1644) in Pittsburg, California, for analysis. The soil samples were analyzed for organochlorine pesticides, arsenic, and lead using Environmental Protection Agency (EPA) Methods SW3550B/SW8081A and SW3550B/SW6020. The location of surficial soil samples S-1 through S-10 is shown on Figure 3.

Laboratory Analytical Results

The laboratory analytical results of the soil samples are shown on Table 1 below and attached to Appendix A.

Table 1
Surficial Soil Sample Laboratory Results
Former Brann Ranch
7983, 7985, 7987, and 7989 Highway 12
Rio Vista, California
January 24, 2022

Sample ID	Sample Depth (feet)	DDT (mg/Kg)	DDE (mg/Kg)	DDD (mg/Kg)	Chlordane (mg/Kg)	Dieldrin (mg/Kg)	Arsenic (mg/Kg)	Lead (mg/Kg)
S-1	0.5	0.0027	0.011	<0.001	<0.025	<0.001	7.2	16
S-2	0.5	0.017	0.021	<0.001	<0.025	<0.001	6.0	29
S-3	0.5	0.018	0.015	<0.001	**0.66**	<0.001	7.9	53
S-4	0.5	0.0021	0.0041	<0.001	0.0021	0.0012	4.6	23
S-5	0.5	0.65	0.051	0.034	<0.12	0.0069	3.3	36

Sample ID	Sample Depth (feet)	DDT (mg/Kg)	DDE (mg/Kg)	DDD (mg/Kg)	Chlordane (mg/Kg)	Dieldrin (mg/Kg)	Arsenic (mg/Kg)	Lead (mg/Kg)
S-6	0.5	1.0	0.12	0.14	<0.50	**0.063**	5.7	**300**
S-7	0.5	0.018	<0.01	<0.01	<0.25	<0.01	3.7	32
S-8	0.5	0.027	0.014	<0.005	0.066	**0.045**	3.4	29
S-9	0.5	<0.10	<0.10	<0.10	<2.5	<0.10	6.5	**140**
S-10	0.5	0.026	0.023	<0.005	0.0195	0.0058	4.0	69
ESLs	---	*1.8*	*1.9*		*0.48*	*0.037*	*0.067**	*82*

mg/Kg = milligrams per liter, equivalent to parts per million (ppm).
< = less than laboratory detection limit.
ESLs = RWQCB Environmental Screening Levels for residential development (January 2019).
* = Cal EPA uses background concentrations as the cleanup goal for arsenic.

From all the chemical constituents analyzed, the main organochlorine pesticides detected were DDT, DDE, DDT, chlordane, and dieldrin in most soil samples analyzed. Chlordane was detected over the California Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) for residential land use of 0.48 milligrams per kilogram (mg/Kg) in soil sample S-3 and dieldrin was detected over the residential ESL of 0.037 mg/Kg in soil samples S-6 and S-8. Lead was mostly detected at background concentrations, with the exception of soil samples S-6 and S-9, in which lead was detected at 300 mg/Kg and 140 mg/Kg, which was over the residential ESL of 82 mg/Kg. Although arsenic was detected above the ESL for residential development of 0.067 mg/Kg, the RWQCB deems background arsenic concentrations as clean-up goals. All arsenic concentrations were detected within background levels.

Conclusions and Recommendations

Based on the laboratory analytical results of the surficial soil samples, ***GeoSolve, Inc.*** concludes the following:

- Mostly no detectable concentrations to very low concentrations of organochlorine pesticides were detected in soil samples S-1, S-2, S-4, S-5, S-7, S-9, and S-10. Total chlordane was detected at 0.66 mg/Kg in soil sample S-3, which exceeded the residential ESL of 0.48 mg/Kg, and dieldrin exceeded the residential ESL of 0.037 mg/Kg in soil samples S-6 and S-8, which were detected at 0.063 mg/Kg and 0.045 mg/Kg;

- Arsenic was detected within background concentrations and below Cal EPA remediation goals. Lead was mostly detected within background concentrations; however, lead exceeded the residential ESL of 82 mg/Kg in soil samples S-6 and S-9, which were detected at 300 mg/Kg and 140 mg/Kg;

Based on the laboratory analytical results of the surficial soil samples collected at the site, ***GeoSolve, Inc.*** recommends the following:

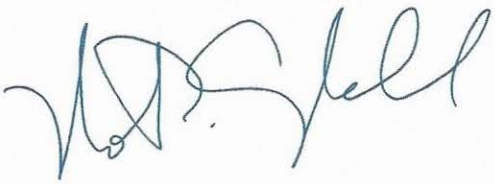
- From the centers of samples S-3, S-6, S-8, and S-9, use a backhoe to excavate 5-foot by 5-foot excavations to approximately 1-foot bgs. The excavated soil should be placed within a 10-cubic yard roll-off bin lined with 6-mil Visqueen;

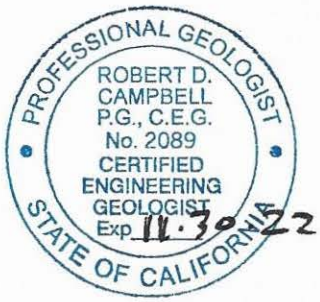
- Four (4) confirmation soil samples should be collected from the excavation limits using laboratory supplied glass jars, which should be sealed, labeled, and placed within a pre-chilled ice-chest. The soil samples should be delivered under chain-of-custody documentation to a State-certified hazardous waste laboratory and analyzed for organochlorine pesticides and lead using EPA Methods SW3550B/SW8081A and SW3550B/SW6020. If elevated concentrations of organochlorine pesticides and/or lead are detected, then the specific excavations should be over-excavated to 1.5 feet bgs and an additional four confirmation soil samples should be collected and analyzed for organochlorine pesticides and/or lead; and

- The soil should be properly profiled for acceptance to a Class II landfill and properly disposed under a signed non-hazardous waste manifests.

If you have any questions or need further information regarding our Surficial Soil Phase II ESA, please call us at your convenience.

Sincerely,
GeoSolve, Inc.

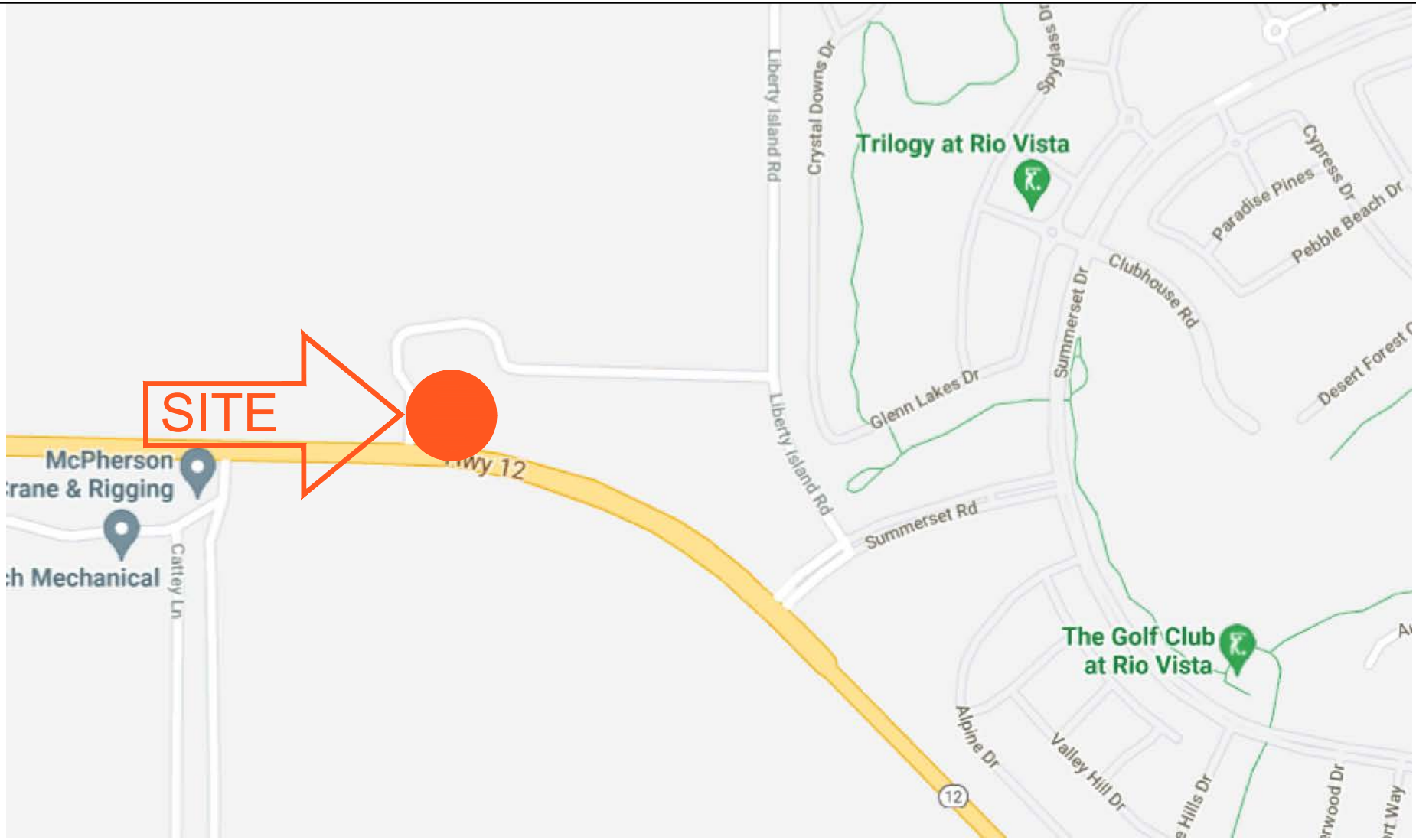




Robert D. Campbell, M.S., P.G., C.E.G., Q.S.D.
Principal Engineering Geologist

Attachments: Figure 1, Site Vicinity Map
Figure 2, Site Plan
Figure 3, Surficial Soil Sample Locations

Appendix A –McCampbell Analytical Laboratory Report and
Chain of Custody Document



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Pleasanton, California 94566
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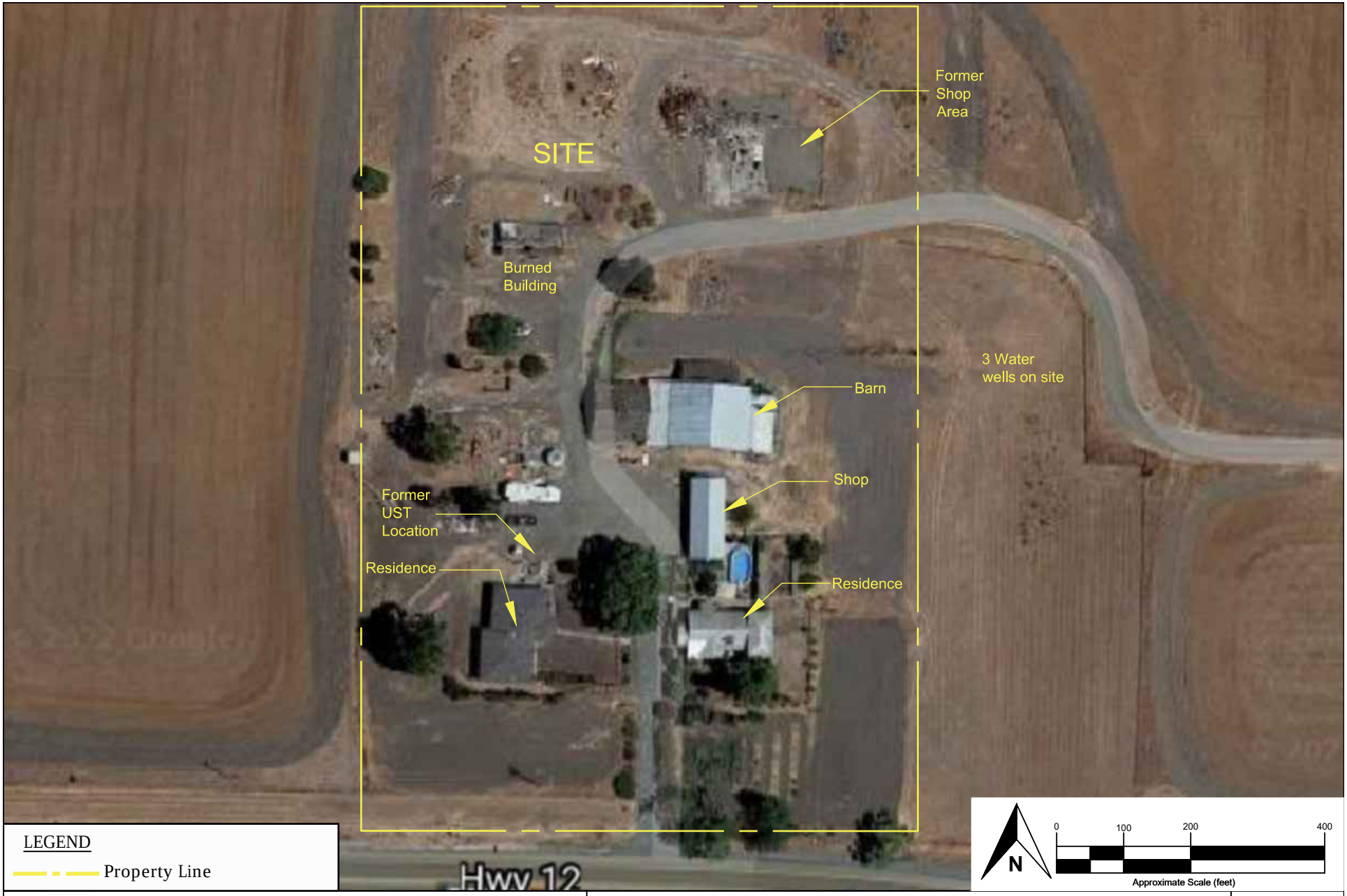
VICINITY MAP

ENCORE LIBERTY II, LLC
PHASE II ESA
7983,7985,7987, AND 7989 HIGHWAY 12
RIO VISTA, CA

Project No.	Drawn by:
2021-26	GC
Scale:	Date:
NTS	01/2022

Figure No.
1



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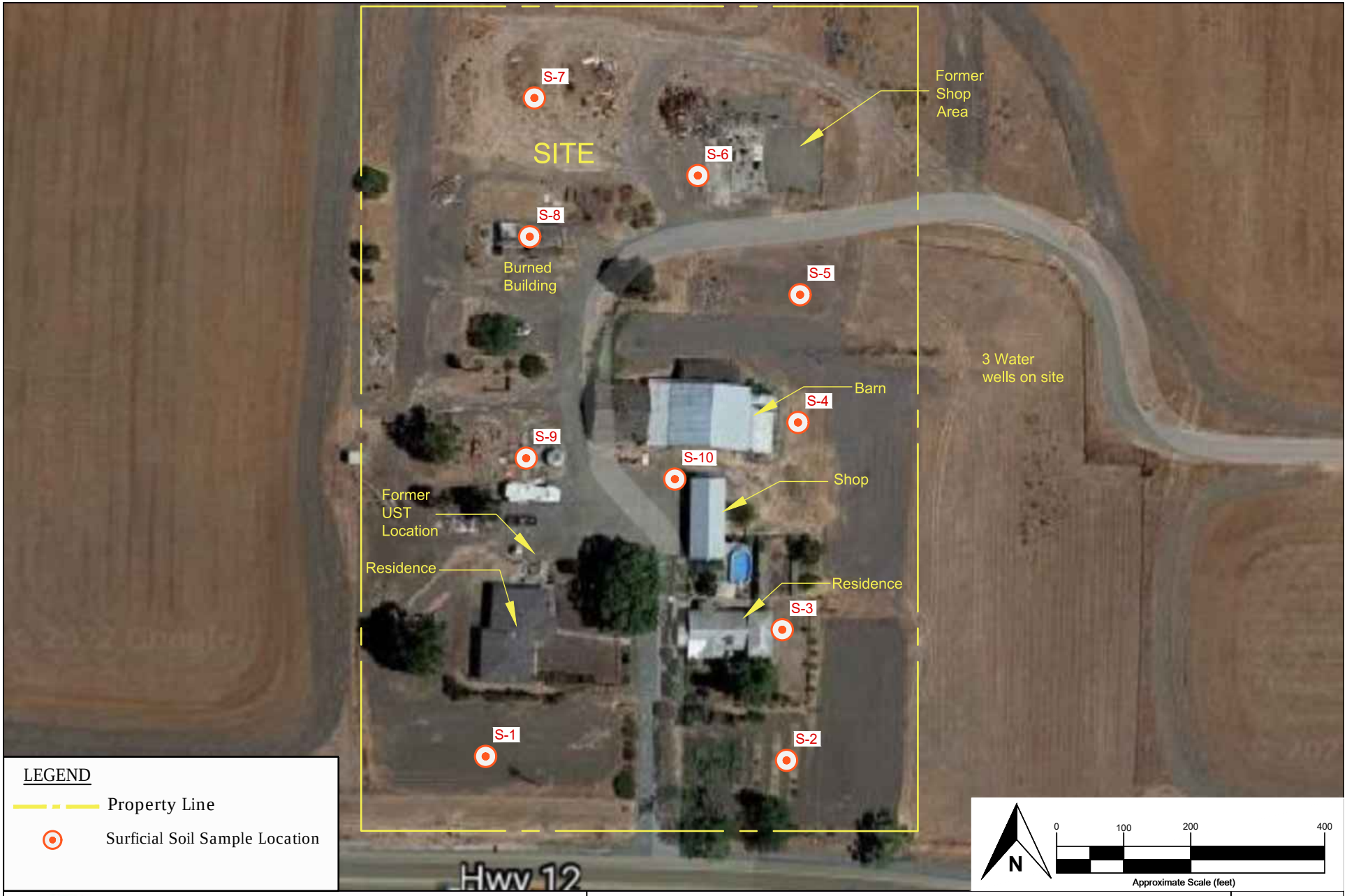
SITE PLAN

ENCORE LIBERTY II, LLC
PHASE II ESA
7983,7985,7987, AND 7989 HIGHWAY 12
RIO VISTA, CA

Project No.	Drawn by:
2021-26	GC
Scale:	Date:
AS SHOWN	01/2022

Figure No.
2



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SURFICIAL SOIL SAMPLE LOCATIONS

ENCORE LIBERTY II, LLC
PHASE II ESA
7983,7985,7987, AND 7989 HIGHWAY 12
RIO VISTA, CA

Project No.	Drawn by:
2021-26	GC
Scale:	Date:
AS SHOWN	01/2022

Figure No.
3

APPENDIX A

McCAMPBELL ANALYTICAL LABORATORY ANALYTICAL RESULTS AND CHAIN OF CUSTODY DOCUMENT

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2201A06

Report Created for: Geosolve, Inc.

1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566

Project Contact: Rob Campbell
Project P.O.: 2021-26
Project: 2021-26; Brann Family Ranch

Project Received: 01/24/2022

Analytical Report reviewed & approved for release on 01/27/2022 by:

Susan Thompson
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc. **WorkOrder:** 2201A06

Project: 2021-26; Brann Family Ranch

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc. **WorkOrder:** 2201A06

Project: 2021-26; Brann Family Ranch

Analytical Qualifiers

P	Agreement between quantitative confirmation results exceed method recommended limits
S	Surrogate recovery outside accepted recovery limits.
a2	Sample diluted due to cluttered chromatogram.
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.
c4	Surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validates the prep batch.

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1	**2201A06-001A**	**Soil**	**01/24/2022**	**GC23 01252217.d**	**238012**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.0010	1	01/25/2022 18:58
a-BHC	ND	0.0010	1	01/25/2022 18:58
b-BHC	ND	0.0010	1	01/25/2022 18:58
d-BHC	ND	0.0010	1	01/25/2022 18:58
g-BHC	ND	0.0010	1	01/25/2022 18:58
Chlordane (Technical)	ND	0.025	1	01/25/2022 18:58
a-Chlordane	ND	0.0010	1	01/25/2022 18:58
g-Chlordane	ND	0.0010	1	01/25/2022 18:58
p,p-DDD	ND	0.0010	1	01/25/2022 18:58
p,p-DDE	**0.011**	0.0010	1	01/25/2022 18:58
p,p-DDT	**0.0027**	0.0010	1	01/25/2022 18:58
Dieldrin	ND	0.0010	1	01/25/2022 18:58
Endosulfan I	ND	0.0010	1	01/25/2022 18:58
Endosulfan II	ND	0.0010	1	01/25/2022 18:58
Endosulfan sulfate	ND	0.0010	1	01/25/2022 18:58
Endrin	ND	0.0010	1	01/25/2022 18:58
Endrin aldehyde	ND	0.0010	1	01/25/2022 18:58
Endrin ketone	ND	0.0010	1	01/25/2022 18:58
Heptachlor	ND	0.0010	1	01/25/2022 18:58
Heptachlor epoxide	ND	0.0010	1	01/25/2022 18:58
Hexachlorobenzene	ND	0.010	1	01/25/2022 18:58
Hexachlorocyclopentadiene	ND	0.020	1	01/25/2022 18:58
Methoxychlor	ND	0.0010	1	01/25/2022 18:58
Toxaphene	ND	0.050	1	01/25/2022 18:58

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	108	60-130	01/25/2022 18:58

Analyst(s): KVE

(Cont.)

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-2	**2201A06-002A**	**Soil**	**01/24/2022**	**GC23 01252216.d**	**238012**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.0010	1	01/25/2022 18:42
a-BHC	ND	0.0010	1	01/25/2022 18:42
b-BHC	ND	0.0010	1	01/25/2022 18:42
d-BHC	ND	0.0010	1	01/25/2022 18:42
g-BHC	ND	0.0010	1	01/25/2022 18:42
Chlordane (Technical)	ND	0.025	1	01/25/2022 18:42
a-Chlordane	ND	0.0010	1	01/25/2022 18:42
g-Chlordane	ND	0.0010	1	01/25/2022 18:42
p,p-DDD	ND	0.0010	1	01/25/2022 18:42
p,p-DDE	**0.0021**	0.0010	1	01/25/2022 18:42
p,p-DDT	**0.0017**	0.0010	1	01/25/2022 18:42
Dieldrin	ND	0.0010	1	01/25/2022 18:42
Endosulfan I	ND	0.0010	1	01/25/2022 18:42
Endosulfan II	ND	0.0010	1	01/25/2022 18:42
Endosulfan sulfate	ND	0.0010	1	01/25/2022 18:42
Endrin	ND	0.0010	1	01/25/2022 18:42
Endrin aldehyde	ND	0.0010	1	01/25/2022 18:42
Endrin ketone	ND	0.0010	1	01/25/2022 18:42
Heptachlor	ND	0.0010	1	01/25/2022 18:42
Heptachlor epoxide	ND	0.0010	1	01/25/2022 18:42
Hexachlorobenzene	ND	0.010	1	01/25/2022 18:42
Hexachlorocyclopentadiene	ND	0.020	1	01/25/2022 18:42
Methoxychlor	ND	0.0010	1	01/25/2022 18:42
Toxaphene	ND	0.050	1	01/25/2022 18:42

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	96	60-130	01/25/2022 18:42

Analyst(s): KVE

(Cont.)

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-3	**2201A06-003A**	**Soil**	**01/24/2022**	**GC23 01252215.d**	**238012**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.0010	1	01/25/2022 18:27
a-BHC	ND	0.0010	1	01/25/2022 18:27
b-BHC	ND	0.0010	1	01/25/2022 18:27
d-BHC	ND	0.0010	1	01/25/2022 18:27
g-BHC	ND	0.0010	1	01/25/2022 18:27
Chlordane (Technical)	**0.56**	0.025	1	01/25/2022 18:27
a-Chlordane	**0.061**	0.0010	1	01/25/2022 18:27
g-Chlordane	**0.039**	0.0010	1	01/25/2022 18:27
p,p-DDD	ND	0.0010	1	01/25/2022 18:27
p,p-DDE	**0.015**	0.0010	1	01/25/2022 18:27
p,p-DDT	**0.018**	0.0010	1	01/25/2022 18:27
Dieldrin	ND	0.0010	1	01/25/2022 18:27
Endosulfan I	ND	0.0010	1	01/25/2022 18:27
Endosulfan II	ND	0.0010	1	01/25/2022 18:27
Endosulfan sulfate	ND	0.0010	1	01/25/2022 18:27
Endrin	ND	0.0010	1	01/25/2022 18:27
Endrin aldehyde	ND	0.0010	1	01/25/2022 18:27
Endrin ketone	ND	0.0010	1	01/25/2022 18:27
Heptachlor	ND	0.0010	1	01/25/2022 18:27
Heptachlor epoxide	**0.0043**	0.0010	1	01/25/2022 18:27
Hexachlorobenzene	ND	0.010	1	01/25/2022 18:27
Hexachlorocyclopentadiene	ND	0.020	1	01/25/2022 18:27
Methoxychlor	ND	0.0010	1	01/25/2022 18:27
Toxaphene	ND	0.050	1	01/25/2022 18:27

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	101	60-130	01/25/2022 18:27

Analyst(s): KVE

(Cont.)

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-4	**2201A06-004A**	**Soil**	**01/24/2022**	**GC23 01252214.d**	**238012**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.0010	1	01/25/2022 18:11
a-BHC	ND	0.0010	1	01/25/2022 18:11
b-BHC	ND	0.0010	1	01/25/2022 18:11
d-BHC	ND	0.0010	1	01/25/2022 18:11
g-BHC	ND	0.0010	1	01/25/2022 18:11
Chlordane (Technical)	ND	0.025	1	01/25/2022 18:11
a-Chlordane	**0.0010**	0.0010	1	01/25/2022 18:11
g-Chlordane	**0.0011**	0.0010	1	01/25/2022 18:11
p,p-DDD	ND	0.0010	1	01/25/2022 18:11
p,p-DDE	**0.0041**	0.0010	1	01/25/2022 18:11
p,p-DDT	**0.0021**	0.0010	1	01/25/2022 18:11
Dieldrin	**0.0012**	0.0010	1	01/25/2022 18:11
Endosulfan I	ND	0.0010	1	01/25/2022 18:11
Endosulfan II	ND	0.0010	1	01/25/2022 18:11
Endosulfan sulfate	ND	0.0010	1	01/25/2022 18:11
Endrin	ND	0.0010	1	01/25/2022 18:11
Endrin aldehyde	**0.0014**	0.0010	1	01/25/2022 18:11
Endrin ketone	ND	0.0010	1	01/25/2022 18:11
Heptachlor	ND	0.0010	1	01/25/2022 18:11
Heptachlor epoxide	ND	0.0010	1	01/25/2022 18:11
Hexachlorobenzene	ND	0.010	1	01/25/2022 18:11
Hexachlorocyclopentadiene	ND	0.020	1	01/25/2022 18:11
Methoxychlor	ND	0.0010	1	01/25/2022 18:11
Toxaphene	ND	0.050	1	01/25/2022 18:11

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	100	60-130	01/25/2022 18:11

Analyst(s): KVE

(Cont.)

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-5	**2201A06-005A**	**Soil**	**01/24/2022**	**GC40 01262274.d**	**238012**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.0050	5	01/27/2022 04:49
a-BHC	ND		0.0050	5	01/27/2022 04:49
b-BHC	ND		0.0050	5	01/27/2022 04:49
d-BHC	ND		0.0050	5	01/27/2022 04:49
g-BHC	**0.012**	P	0.0050	5	01/27/2022 04:49
Chlordane (Technical)	ND		0.12	5	01/27/2022 04:49
a-Chlordane	ND		0.0050	5	01/27/2022 04:49
g-Chlordane	ND		0.0050	5	01/27/2022 04:49
p,p-DDD	**0.034**	P	0.0050	5	01/27/2022 04:49
p,p-DDE	**0.051**		0.0050	5	01/27/2022 04:49
p,p-DDT	**0.65**		0.0050	5	01/27/2022 04:49
Dieldrin	**0.0069**		0.0050	5	01/27/2022 04:49
Endosulfan I	ND		0.0050	5	01/27/2022 04:49
Endosulfan II	ND		0.0050	5	01/27/2022 04:49
Endosulfan sulfate	ND		0.0050	5	01/27/2022 04:49
Endrin	ND		0.0050	5	01/27/2022 04:49
Endrin aldehyde	ND		0.0050	5	01/27/2022 04:49
Endrin ketone	ND		0.0050	5	01/27/2022 04:49
Heptachlor	ND		0.0050	5	01/27/2022 04:49
Heptachlor epoxide	ND		0.0050	5	01/27/2022 04:49
Hexachlorobenzene	ND		0.050	5	01/27/2022 04:49
Hexachlorocyclopentadiene	ND		0.10	5	01/27/2022 04:49
Methoxychlor	ND		0.0050	5	01/27/2022 04:49
Toxaphene	ND		0.25	5	01/27/2022 04:49

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	75	60-130	01/27/2022 04:49

Analyst(s): CN Analytical Comments: a2

(Cont.)

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-6	**2201A06-006A**	**Soil**	**01/24/2022**	**GC40 01262275.d**	**238012**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.020	20	01/27/2022 05:03
a-BHC	ND		0.020	20	01/27/2022 05:03
b-BHC	ND		0.020	20	01/27/2022 05:03
d-BHC	ND		0.020	20	01/27/2022 05:03
g-BHC	**0.059**	P	0.020	20	01/27/2022 05:03
Chlordane (Technical)	ND		0.50	20	01/27/2022 05:03
a-Chlordane	ND		0.020	20	01/27/2022 05:03
g-Chlordane	**0.037**		0.020	20	01/27/2022 05:03
p,p-DDD	**0.14**		0.020	20	01/27/2022 05:03
p,p-DDE	**0.12**		0.020	20	01/27/2022 05:03
p,p-DDT	**1.0**		0.020	20	01/27/2022 05:03
Dieldrin	**0.063**		0.020	20	01/27/2022 05:03
Endosulfan I	ND		0.020	20	01/27/2022 05:03
Endosulfan II	ND		0.020	20	01/27/2022 05:03
Endosulfan sulfate	**0.096**		0.020	20	01/27/2022 05:03
Endrin	ND		0.020	20	01/27/2022 05:03
Endrin aldehyde	ND		0.020	20	01/27/2022 05:03
Endrin ketone	ND		0.020	20	01/27/2022 05:03
Heptachlor	ND		0.020	20	01/27/2022 05:03
Heptachlor epoxide	ND		0.020	20	01/27/2022 05:03
Hexachlorobenzene	ND		0.20	20	01/27/2022 05:03
Hexachlorocyclopentadiene	ND		0.40	20	01/27/2022 05:03
Methoxychlor	ND		0.020	20	01/27/2022 05:03
Toxaphene	ND		1.0	20	01/27/2022 05:03

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	147	S	60-130	01/27/2022 05:03

Analyst(s): CN Analytical Comments: a2,c4

(Cont.)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-7	**2201A06-007A**	**Soil**	**01/24/2022**	**GC40 01262276.d**	**238012**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.010	10	01/27/2022 05:17
a-BHC	ND	0.010	10	01/27/2022 05:17
b-BHC	ND	0.010	10	01/27/2022 05:17
d-BHC	ND	0.010	10	01/27/2022 05:17
g-BHC	ND	0.010	10	01/27/2022 05:17
Chlordane (Technical)	ND	0.25	10	01/27/2022 05:17
a-Chlordane	ND	0.010	10	01/27/2022 05:17
g-Chlordane	ND	0.010	10	01/27/2022 05:17
p,p-DDD	ND	0.010	10	01/27/2022 05:17
p,p-DDE	ND	0.010	10	01/27/2022 05:17
p,p-DDT	**0.018**	0.010	10	01/27/2022 05:17
Dieldrin	ND	0.010	10	01/27/2022 05:17
Endosulfan I	ND	0.010	10	01/27/2022 05:17
Endosulfan II	ND	0.010	10	01/27/2022 05:17
Endosulfan sulfate	ND	0.010	10	01/27/2022 05:17
Endrin	ND	0.010	10	01/27/2022 05:17
Endrin aldehyde	ND	0.010	10	01/27/2022 05:17
Endrin ketone	ND	0.010	10	01/27/2022 05:17
Heptachlor	ND	0.010	10	01/27/2022 05:17
Heptachlor epoxide	ND	0.010	10	01/27/2022 05:17
Hexachlorobenzene	ND	0.10	10	01/27/2022 05:17
Hexachlorocyclopentadiene	ND	0.20	10	01/27/2022 05:17
Methoxychlor	ND	0.010	10	01/27/2022 05:17
Toxaphene	ND	0.50	10	01/27/2022 05:17

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	104	60-130	01/27/2022 05:17

Analyst(s): CN Analytical Comments: a2

(Cont.)

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-8	**2201A06-008A**	**Soil**	**01/24/2022**	**GC40 01262277.d**	**238012**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.0050	5	01/27/2022 05:31
a-BHC	ND		0.0050	5	01/27/2022 05:31
b-BHC	ND		0.0050	5	01/27/2022 05:31
d-BHC	ND		0.0050	5	01/27/2022 05:31
g-BHC	ND		0.0050	5	01/27/2022 05:31
Chlordane (Technical)	ND		0.12	5	01/27/2022 05:31
a-Chlordane	**0.032**	P	0.0050	5	01/27/2022 05:31
g-Chlordane	**0.034**	P	0.0050	5	01/27/2022 05:31
p,p-DDD	ND		0.0050	5	01/27/2022 05:31
p,p-DDE	**0.014**	P	0.0050	5	01/27/2022 05:31
p,p-DDT	**0.027**		0.0050	5	01/27/2022 05:31
Dieldrin	**0.045**		0.0050	5	01/27/2022 05:31
Endosulfan I	ND		0.0050	5	01/27/2022 05:31
Endosulfan II	**0.045**	P	0.0050	5	01/27/2022 05:31
Endosulfan sulfate	ND		0.0050	5	01/27/2022 05:31
Endrin	ND		0.0050	5	01/27/2022 05:31
Endrin aldehyde	ND		0.0050	5	01/27/2022 05:31
Endrin ketone	ND		0.0050	5	01/27/2022 05:31
Heptachlor	ND		0.0050	5	01/27/2022 05:31
Heptachlor epoxide	ND		0.0050	5	01/27/2022 05:31
Hexachlorobenzene	ND		0.050	5	01/27/2022 05:31
Hexachlorocyclopentadiene	ND		0.10	5	01/27/2022 05:31
Methoxychlor	ND		0.0050	5	01/27/2022 05:31
Toxaphene	ND		0.25	5	01/27/2022 05:31

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	77	60-130	01/27/2022 05:31

Analyst(s): CN Analytical Comments: a2

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-9	2201A06-009A	Soil	01/24/2022	GC40 01272212.d	238012

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.10	100	01/27/2022 13:20
a-BHC	ND	0.10	100	01/27/2022 13:20
b-BHC	ND	0.10	100	01/27/2022 13:20
d-BHC	ND	0.10	100	01/27/2022 13:20
g-BHC	ND	0.10	100	01/27/2022 13:20
Chlordane (Technical)	ND	2.5	100	01/27/2022 13:20
a-Chlordane	ND	0.10	100	01/27/2022 13:20
g-Chlordane	ND	0.10	100	01/27/2022 13:20
p,p-DDD	ND	0.10	100	01/27/2022 13:20
p,p-DDE	ND	0.10	100	01/27/2022 13:20
p,p-DDT	ND	0.10	100	01/27/2022 13:20
Dieldrin	ND	0.10	100	01/27/2022 13:20
Endosulfan I	ND	0.10	100	01/27/2022 13:20
Endosulfan II	ND	0.10	100	01/27/2022 13:20
Endosulfan sulfate	ND	0.10	100	01/27/2022 13:20
Endrin	ND	0.10	100	01/27/2022 13:20
Endrin aldehyde	ND	0.10	100	01/27/2022 13:20
Endrin ketone	ND	0.10	100	01/27/2022 13:20
Heptachlor	ND	0.10	100	01/27/2022 13:20
Heptachlor epoxide	ND	0.10	100	01/27/2022 13:20
Hexachlorobenzene	ND	1.0	100	01/27/2022 13:20
Hexachlorocyclopentadiene	ND	2.0	100	01/27/2022 13:20
Methoxychlor	ND	0.10	100	01/27/2022 13:20
Toxaphene	ND	5.0	100	01/27/2022 13:20

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	591	S	60-130	01/27/2022 13:20

Analyst(s): KVE Analytical Comments: a2,c1

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3550B
Date Prepared:	01/24/2022	**Analytical Method:**	SW8081A
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-10	**2201A06-010A**	**Soil**	**01/24/2022**	**GC40 01262287.d**	**238012**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.0050	5	01/27/2022 07:50
a-BHC	ND		0.0050	5	01/27/2022 07:50
b-BHC	ND		0.0050	5	01/27/2022 07:50
d-BHC	ND		0.0050	5	01/27/2022 07:50
g-BHC	ND		0.0050	5	01/27/2022 07:50
Chlordane (Technical)	ND		0.12	5	01/27/2022 07:50
a-Chlordane	**0.011**		0.0050	5	01/27/2022 07:50
g-Chlordane	**0.0085**	P	0.0050	5	01/27/2022 07:50
p,p-DDD	ND		0.0050	5	01/27/2022 07:50
p,p-DDE	**0.023**		0.0050	5	01/27/2022 07:50
p,p-DDT	**0.026**		0.0050	5	01/27/2022 07:50
Dieldrin	**0.0058**		0.0050	5	01/27/2022 07:50
Endosulfan I	ND		0.0050	5	01/27/2022 07:50
Endosulfan II	ND		0.0050	5	01/27/2022 07:50
Endosulfan sulfate	ND		0.0050	5	01/27/2022 07:50
Endrin	ND		0.0050	5	01/27/2022 07:50
Endrin aldehyde	ND		0.0050	5	01/27/2022 07:50
Endrin ketone	ND		0.0050	5	01/27/2022 07:50
Heptachlor	ND		0.0050	5	01/27/2022 07:50
Heptachlor epoxide	ND		0.0050	5	01/27/2022 07:50
Hexachlorobenzene	ND		0.050	5	01/27/2022 07:50
Hexachlorocyclopentadiene	ND		0.10	5	01/27/2022 07:50
Methoxychlor	ND		0.0050	5	01/27/2022 07:50
Toxaphene	ND		0.25	5	01/27/2022 07:50

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	83	60-130	01/27/2022 07:50

Analyst(s): CN

Analytical Comments: a2

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3050B
Date Prepared:	01/24/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/Kg

Arsenic and Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1	2201A06-001A	Soil	01/24/2022	ICP-MS4 143SMPL.d	238000

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**7.2**	0.50	1	01/25/2022 12:39
Lead	**16**	0.50	1	01/25/2022 12:39

Surrogates	REC (%)	Limits	
Terbium	104	70-130	01/25/2022 12:39

Analyst(s): WV

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-2	2201A06-002A	Soil	01/24/2022	ICP-MS4 144SMPL.d	238000

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**6.0**	0.50	1	01/25/2022 12:43
Lead	**29**	0.50	1	01/25/2022 12:43

Surrogates	REC (%)	Limits	
Terbium	104	70-130	01/25/2022 12:43

Analyst(s): WV

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-3	2201A06-003A	Soil	01/24/2022	ICP-MS4 145SMPL.d	238000

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**7.9**	0.50	1	01/25/2022 12:47
Lead	**53**	0.50	1	01/25/2022 12:47

Surrogates	REC (%)	Limits	
Terbium	109	70-130	01/25/2022 12:47

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3050B
Date Prepared:	01/24/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/Kg

Arsenic and Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-4	**2201A06-004A**	**Soil**	**01/24/2022**	**ICP-MS4 146SMPL.d**	**238000**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**4.6**	0.50	1	01/25/2022 12:51
Lead	**23**	0.50	1	01/25/2022 12:51

Surrogates	REC (%)	Limits	
Terbium	109	70-130	01/25/2022 12:51

Analyst(s): WV

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-5	**2201A06-005A**	**Soil**	**01/24/2022**	**ICP-MS4 149SMPL.d**	**238000**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**3.3**	0.50	1	01/25/2022 13:03
Lead	**36**	0.50	1	01/25/2022 13:03

Surrogates	REC (%)	Limits	
Terbium	108	70-130	01/25/2022 13:03

Analyst(s): WV

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-6	**2201A06-006A**	**Soil**	**01/24/2022**	**ICP-MS4 150SMPL.d**	**238000**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**5.7**	0.50	1	01/25/2022 13:07
Lead	**300**	0.50	1	01/25/2022 13:07

Surrogates	REC (%)	Limits	
Terbium	104	70-130	01/25/2022 13:07

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3050B
Date Prepared:	01/24/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/Kg

Arsenic and Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-7	2201A06-007A	Soil	01/24/2022	ICP-MS4 151SMPL.d	238000

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**3.7**	0.50	1	01/25/2022 13:11
Lead	**32**	0.50	1	01/25/2022 13:11

Surrogates	REC (%)	Limits	
Terbium	105	70-130	01/25/2022 13:11

Analyst(s): WV

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-8	2201A06-008A	Soil	01/24/2022	ICP-MS4 152SMPL.d	238000

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**3.4**	0.50	1	01/25/2022 13:15
Lead	**29**	0.50	1	01/25/2022 13:15

Surrogates	REC (%)	Limits	
Terbium	110	70-130	01/25/2022 13:15

Analyst(s): WV

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-9	2201A06-009A	Soil	01/24/2022	ICP-MS4 153SMPL.d	238000

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**6.5**	0.50	1	01/25/2022 13:19
Lead	**140**	0.50	1	01/25/2022 13:19

Surrogates	REC (%)	Limits	
Terbium	104	70-130	01/25/2022 13:19

Analyst(s): WV

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Received:	01/24/2022 15:00	**Extraction Method:**	SW3050B
Date Prepared:	01/24/2022	**Analytical Method:**	SW6020
Project:	2021-26; Brann Family Ranch	**Unit:**	mg/Kg

Arsenic and Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-10	**2201A06-010A**	**Soil**	**01/24/2022**	**ICP-MS4 154SMPL.d**	**238000**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**4.0**	0.50	1	01/25/2022 13:23
Lead	**69**	0.50	1	01/25/2022 13:23

Surrogates	REC (%)	Limits	
Terbium	107	70-130	01/25/2022 13:23

Analyst(s): WV

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Prepared:	01/24/2022	**BatchID:**	238012
Date Analyzed:	01/25/2022	**Extraction Method:**	SW3550B
Instrument:	GC23	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Family Ranch	**Sample ID:**	MB/LCS/LCSD-238012 2201A06-001AMS/MSD

QC Summary Report for SW8081A

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.00039	0.0010	-	-	-
a-BHC	ND	0.00049	0.0010	-	-	-
b-BHC	ND	0.00027	0.0010	-	-	-
d-BHC	ND	0.00033	0.0010	-	-	-
g-BHC	ND	0.00033	0.0010	-	-	-
Chlordane (Technical)	ND	0.012	0.025	-	-	-
a-Chlordane	ND	0.00043	0.0010	-	-	-
g-Chlordane	ND	0.00034	0.0010	-	-	-
p,p-DDD	ND	0.00041	0.0010	-	-	-
p,p-DDE	ND	0.00029	0.0010	-	-	-
p,p-DDT	ND	0.00039	0.0010	-	-	-
Dieldrin	ND	0.00038	0.0010	-	-	-
Endosulfan I	ND	0.00035	0.0010	-	-	-
Endosulfan II	ND	0.00033	0.0010	-	-	-
Endosulfan sulfate	ND	0.00040	0.0010	-	-	-
Endrin	ND	0.00038	0.0010	-	-	-
Endrin aldehyde	ND	0.00044	0.0010	-	-	-
Endrin ketone	ND	0.00029	0.0010	-	-	-
Heptachlor	ND	0.00030	0.0010	-	-	-
Heptachlor epoxide	ND	0.00030	0.0010	-	-	-
Hexachlorobenzene	ND	0.00070	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.00052	0.020	-	-	-
Methoxychlor	ND	0.00045	0.0010	-	-	-
Toxaphene	ND	0.033	0.050	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.053			0.05	107	70-130

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Prepared:	01/24/2022	**BatchID:**	238012
Date Analyzed:	01/25/2022	**Extraction Method:**	SW3550B
Instrument:	GC23	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Family Ranch	**Sample ID:**	MB/LCS/LCSD-238012 2201A06-001AMS/MSD

QC Summary Report for SW8081A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.049	0.049	0.050	97	98	70-130	1.24	20
a-BHC	0.047	0.048	0.050	94	96	70-130	1.60	20
b-BHC	0.047	0.047	0.050	94	94	70-130	0.00702	20
d-BHC	0.050	0.050	0.050	100	100	70-130	0.785	20
g-BHC	0.048	0.049	0.050	97	98	70-130	1.73	20
a-Chlordane	0.049	0.050	0.050	99	100	70-130	0.946	20
g-Chlordane	0.049	0.049	0.050	98	98	70-130	0.856	20
p,p-DDD	0.048	0.047	0.050	96	95	70-130	0.975	20
p,p-DDE	0.050	0.050	0.050	99	100	70-130	0.857	20
p,p-DDT	0.056	0.057	0.050	111	113	70-130	1.90	20
Dieldrin	0.050	0.051	0.050	101	102	70-130	0.891	20
Endosulfan I	0.051	0.051	0.050	101	102	70-130	1.03	20
Endosulfan II	0.051	0.051	0.050	102	101	70-130	0.446	20
Endosulfan sulfate	0.055	0.056	0.050	110	112	70-130	1.66	20
Endrin	0.056	0.056	0.050	111	112	70-130	1.27	20
Endrin aldehyde	0.053	0.053	0.050	105	106	70-130	0.583	20
Endrin ketone	0.057	0.058	0.050	115	116	70-130	1.12	20
Heptachlor	0.053	0.054	0.050	106	108	70-130	1.78	20
Heptachlor epoxide	0.050	0.051	0.050	100	101	70-130	1.29	20
Hexachlorobenzene	0.046	0.047	0.050	93	94	70-130	1.72	20
Hexachlorocyclopentadiene	0.055	0.053	0.050	110	105	50-130	4.15	20
Methoxychlor	0.061	0.062	0.050	122	125	70-130	2.42	20
Surrogate Recovery								
Decachlorobiphenyl	0.052	0.053	0.050	105	105	70-130	0.465	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aldrin	1	0.046	0.045	0.050	ND	91	91	60-130	0.306	20
a-BHC	1	0.048	0.049	0.050	ND	96	98	60-130	1.91	20
b-BHC	1	0.045	0.045	0.050	ND	89	91	60-130	1.84	20
d-BHC	1	0.053	0.054	0.050	ND	105	108	60-130	2.34	20
g-BHC	1	0.047	0.048	0.050	ND	94	96	60-130	2.03	20
a-Chlordane	1	0.047	0.047	0.050	ND	93	94	60-130	1.07	20
g-Chlordane	1	0.046	0.047	0.050	ND	92	93	60-130	1.02	20
p,p-DDD	1	0.050	0.051	0.050	ND	100	102	60-130	1.65	20
p,p-DDE	1	0.055	0.056	0.050	0.01095	88	90	60-130	1.54	20

(Cont.)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Prepared:	01/24/2022	**BatchID:**	238012
Date Analyzed:	01/25/2022	**Extraction Method:**	SW3550B
Instrument:	GC23	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Family Ranch	**Sample ID:**	MB/LCS/LCSD-238012 2201A06-001AMS/MSD

QC Summary Report for SW8081A

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
p,p-DDT	1	0.057	0.058	0.050	0.002739	107	109	60-130	1.29	20
Dieldrin	1	0.050	0.051	0.050	ND	99	101	60-130	2.12	20
Endosulfan I	1	0.050	0.051	0.050	ND	100	102	60-130	2.26	20
Endosulfan II	1	0.051	0.052	0.050	ND	102	105	60-130	2.85	20
Endosulfan sulfate	1	0.059	0.061	0.050	ND	118	122	60-130	3.61	20
Endrin	1	0.059	0.061	0.050	ND	119	122	60-130	2.50	20
Endrin aldehyde	1	0.044	0.044	0.050	ND	87	88	60-130	0.560	20
Endrin ketone	1	0.060	0.062	0.050	ND	120	124	60-130	3.07	20
Heptachlor	1	0.055	0.055	0.050	ND	110	111	60-130	0.278	20
Heptachlor epoxide	1	0.049	0.050	0.050	ND	99	101	60-130	1.99	20
Hexachlorobenzene	1	0.045	0.045	0.050	ND	90	91	60-130	0.574	20
Hexachlorocyclopentadiene	1	0.046	0.050	0.050	ND	93	100	50-130	7.68	20
Methoxychlor	1	0.064	0.064	0.050	ND	127	128	60-130	0.431	20
Toxaphene	1	1.1	1.2	0.050	ND	2260,F1	2340,F1	0-0	3.55	0
Surrogate Recovery										
Decachlorobiphenyl	1	0.050	0.051	0.050		100	102	60-130	1.61	20

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2201A06
Date Prepared:	01/24/2022	**BatchID:**	238000
Date Analyzed:	01/25/2022	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2021-26; Brann Family Ranch	**Sample ID:**	MB/LCS/LCSD-238000

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.140	0.500	-	-	-
Lead	ND	0.0690	0.500	-	-	-
Surrogate Recovery						
Terbium	552			500	110	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	52.4	51.7	50	105	103	75-125	1.39	20
Lead	51.0	49.1	50	102	98	75-125	3.79	20
Surrogate Recovery								
Terbium	554	551	500	111	110	70-130	0.648	20

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2201A06 **ClientCode: GSP**

☐ WaterTrax ☐ CLIP ☐ EDF ☒ EQuIS ☒ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☐ Excel

Report to:
Rob Campbell
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
(925) 963-1198 FAX:

Email: rcampbell@geosolve-inc.com
cc/3rd Party:
PO:
Project: 2021-26; Brann Family Ranch

Bill to:
Accounts Payable
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
rcampbell@geosolve-inc.com

Requested TAT: 3 days;

Date Received: **01/24/2022**
Date Logged: **01/24/2022**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2201A06-001	S-1	Soil	1/24/2022 00:00	☐	A	A	A									
2201A06-002	S-2	Soil	1/24/2022 00:00	☐	A	A	A									
2201A06-003	S-3	Soil	1/24/2022 00:00	☐	A	A	A									
2201A06-004	S-4	Soil	1/24/2022 00:00	☐	A	A	A									
2201A06-005	S-5	Soil	1/24/2022 00:00	☐	A	A	A									
2201A06-006	S-6	Soil	1/24/2022 00:00	☐	A	A	A									
2201A06-007	S-7	Soil	1/24/2022 00:00	☐	A	A	A									
2201A06-008	S-8	Soil	1/24/2022 00:00	☐	A	A	A									
2201A06-009	S-9	Soil	1/24/2022 00:00	☐	A	A	A									
2201A06-010	S-10	Soil	1/24/2022 00:00	☐	A	A	A									

Test Legend:

1	8081_S	2	PBASMS_TTLC_S	3	PRDisposal Fee	4	
5		6		7		8	
9		10		11		12	

Prepared by: Tina Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2021-26; Brann Family Ranch **Work Order:** 2201A06
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments** **Date Logged:** 1/24/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	S-1	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
			SW8081A (OC Pesticides)			☐	☐	☐		3 days	1/27/2022		☐	☐
002A	S-2	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
			SW8081A (OC Pesticides)			☐	☐	☐		3 days	1/27/2022		☐	☐
003A	S-3	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
			SW8081A (OC Pesticides)			☐	☐	☐		3 days	1/27/2022		☐	☐
004A	S-4	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
			SW8081A (OC Pesticides)			☐	☐	☐		3 days	1/27/2022		☐	☐
005A	S-5	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
			SW8081A (OC Pesticides)			☐	☐	☐		3 days	1/27/2022		☐	☐
006A	S-6	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
			SW8081A (OC Pesticides)			☐	☐	☐		3 days	1/27/2022		☐	☐
007A	S-7	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
			SW8081A (OC Pesticides)			☐	☐	☐		3 days	1/27/2022		☐	☐
008A	S-8	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2021-26; Brann Family Ranch **Work Order:** 2201A06
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments** **Date Logged:** 1/24/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
008A	S-8	Soil	SW8081A (OC Pesticides)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
009A	S-9	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
			SW8081A (OC Pesticides)			☐	☐	☐		3 days	1/27/2022		☐	☐
010A	S-10	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	1/24/2022	3 days	1/27/2022		☐	☐
			SW8081A (OC Pesticides)			☐	☐	☐		3 days	1/27/2022		☐	☐

NOTES: *** STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

General COC

MAI Work Order # 2201A06

McCAMPBELL ANALYTICAL, INC.

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www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush	●	STD		Quote #				
J-Flag / MDL		ESL		Cleanup Approved			Dry Weight		Bottle Order #				
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		Detect Summary				

Report To: Rob Campbell — Bill To: GeoSolve, Inc.
Company: GeoSolve, Inc.
Address: 111 Bank Street, Suite 392, Grass Valley, CA 95945
Email: rcampbell@geosolve-inc.com — Tele: (925) 963-1198
Project Name: Brann Family Ranch — Project #: 2021-26
Project Location: 7983 Hwy 12, Rio Vista, CA — PO # 2021-26
Sampler Signature:

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Multi Range as Gas, Diesel, and Motor Oil (8021/8015)	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)*	Baylands Requirements	Lab to filter sample for dissolved metals analysis	Arsenic	Lead	
S-1	1.24.22		1	Soil	ICE								X									X	X	
S-2			1										X									X	X	
S-3			1										X									X	X	
S-4			1										X									X	X	
S-5			1										X									X	X	
S-6			1										X									X	X	
S-7			1										X									X	X	
S-8			1										X									X	X	
S-9			1										X									X	X	
S-10			1										X									X	X	

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	1.24.22		ECampbell / GeoSolve	1-24-22	2:00
Eric Campbell	1.24.22	3:00		1/24/22	1500

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 4.9 °C Initials TP
wet

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Sample Receipt Checklist

Client Name: **Geosolve, Inc.**
Project: **2021-26; Brann Family Ranch**

WorkOrder №: **2201A06** Matrix: Soil
Carrier: Client Drop-In

Date and Time Received: **1/24/2022 15:00**
Date Logged: **1/24/2022**
Received by: Tina Perez
Logged by: Tina Perez

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☐	No ☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 4.9°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
UCMR Samples:			
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

GeoSolve, Inc.®
Geoscience Solutions rather than Status-Quo

Visit us at www.geosolve-inc.com

PHASE I ENVIRONMENTAL SITE ASSESSMENTS

On

Brann Property – 6.92 Acres
7983 Highway 12, 7985 Highway 12,
7987 Highway 12, and 7989 Highway 12
Rio Vista, California 94925

For

ENCORE LIBERTY II, LLC

by

GeoSolve, Inc.

Project No. 2021-26
October 21, 2021

111 Bank Street, Suite 392 • Grass Valley, CA 95945
rcampbell@geosolve-inc.com • (925) 963-1198

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Geoscience Solutions rather than Status-Quo

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Project No. 2021-26
October 21, 2021

Mr. David Jacobson, CFA
Vice President of Land Acquisition
Encore Liberty II, LLC
770 Tamalpais Drive, Site 401B
Corte Madera, California 94925

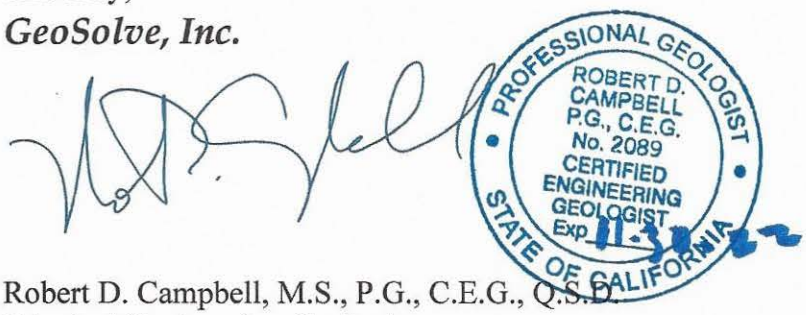
Subject: **PHASE I ENVIRONMENTAL SITE ASSESSMENT**
Brann Property- 6.92 Acres
APN 0048-110-100 and 0048-110-490
7983, 7985, 7987, and 7989 Highway 12
Rio Vista, California

Dear Mr. Jacobson:

At your request, ***GeoSolve, Inc.*** has conducted a Phase I Environmental Site Assessment (ESA) for the above referenced site. The following is a copy of the report, which presents the results of our assessment according to ASTM E1527-2013 standard.

Should you have any questions relating to the contents of this report or require any additional information, please contact our office at your convenience.

Sincerely,
GeoSolve, Inc.



Robert D. Campbell, M.S., P.G., C.E.G., Q.S.D.
Principal Engineering Geologist

Copy: 1 to Encore Liberty II, LLC

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

1.0 INTRODUCTION

1.1 Objective

The purpose of conducting this Phase I Environmental Site Assessment (ESA) is to evaluate the property for contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) 42 U.S.C. §9601 and petroleum products, also known as Recognized Environmental Concerns (RECs). As such, this Phase I ESA is intended to permit a user to satisfy one of the requirements to quality for the innocent landowner, continuous landowner, or bona fide prospective purchaser limitations on CERCLA liability or known as "landowner liability protections" through conducting All Appropriate Inquiries (AAI) into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)(B). ***GeoSolve, Inc.*** has conducted detailed assessment of the past use of the property, historical research, site visit, file reviews and/or file searches and interviews with the site managers/property owners as summarized in this Phase I ESA, which complies with ASTM E1527-2013 for real for secondary potential contaminated sites within a 1-mile radius of the property.

The subject site consists of a parcel totaling approximately 6.92-acres of land located at 7983, 7985, 7987, and 7989 Highway 12 Rio Vista, California with Assessor Parcel Numbers (APNs) 0048-110-100 and 0048-110-490.

This Phase I Environmental Site Assessment was prepared for the use of our client, Encore Liberty II, LLC, for the Brann Property, who may rely on this report for evaluating the environmental conditions of the property.

1.2 User's Responsibilities

The purpose of this section is to describe tasks to be performed by the User. The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires that these tasks be performed by or on behalf of a party seeking to qualify for a landowner liability protections (LLP) to CERCLA liability. These tasks were completed by or on behalf of EPA Brownfield Assessment and Characterization grantees.

Review Title and Judicial Records for Environmental Liens and Activity and Use Limitations (AULs): To meet the requirements of 40 CFR 312.20 and 312.25, a search for the existence of environmental liens and AULs that are filed or E1527-2013. Environmental liens and AULs are legally distinct instruments and have very different purposes and both can commonly be found

within recorded land title records (e.g., County Recorder/ Registry of Deeds). The types of title reports that may disclose environmental liens and AULs include Preliminary Title Reports, Title Commitments, Condition of Title, and Title Abstracts. Chain of title reports will not normally disclose environmental liens or AULs. Environmental liens and AULs that are imposed by judicial authorities may be recorded or filed in judicial records only. In jurisdictions where environmental liens or AULs are only recorded or filed in judicial records, the judicial records must be searched for environmental liens and AULs. Any environmental liens and AULs known to Encore Liberty II, LLC (User) should be reported to ***GeoSolve, Inc.*** Unless added by a change in the scope of work to be performed by ***GeoSolve, Inc.***, this practice does not impose on the environmental professional the responsibility to undertake a review of recorded land title records and judicial records for environmental liens and AULs. The User should either (1) engage a title company, real estate attorney, or title professional to undertake a review of reasonably ascertainable recorded land title records and lien records for environmental liens and AULs currently recorded against or relating to the property, or (2) negotiate such an engagement of a title company, real estate attorney, or title professional as an addition to the scope of work of the environmental professional. The search for environmental liens and AULs in this section is in addition to the environmental professional's search of institutional control and engineering control registries for the property.

Reasonably Ascertainable Title and Judicial Records for Environmental Liens and Activity and Use Limitations: Environmental liens and AULs that are recorded or filed in any place other than recorded land title records are not considered to be reasonably ascertainable unless applicable federal, tribal, state, or local statutes, or regulations specify a place other than recorded land title records for recording or filing of environmental liens and AULs.

Specialized Knowledge or Experience of the Users: Users must consider their specialized knowledge to identify conditions indicative of releases or threatened releases. If the User has any specialized knowledge or experience that is material to recognized environmental conditions in connection with the property, the User should communicate any information based on such specialized knowledge or experience to the environmental professional. The User should do so before the environmental professional conducts the site reconnaissance.

Actual Knowledge of the User: If the User has actual knowledge of any environmental lien or AULs encumbering the property or in connection with the property, the User should communicate such information to the environmental professional. The User should do so before the environmental professional conducts the site reconnaissance.

Reason for Significantly Lower Purchase Price: In a transaction involving the purchase of a parcel of commercial real estate, the User shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous

substances or petroleum products. The User should try to identify an explanation for a lower price which does not reasonably reflect fair market value if the property was not contaminated, and make a written record of such explanation. Among the factors to consider will be the information that becomes known to the User pursuant to the Phase I Environmental Site Assessment. This practice does not require that a real estate appraisal be obtained in order to ascertain fair market value of the property. The User should inform the environmental professional if the User believes that the purchase price of the property is lower than the fair market value due to contamination, and the User is not required to disclose the purchase price to the environmental professional.

Commonly Known or Reasonably Ascertainable Information: Commonly known or reasonably ascertainable information within the local community about the property must be considered by the User. If the User is aware of any commonly known or reasonably ascertainable information within the local community about the property that is material to recognized environmental conditions in connection with the property, the User should communicate such information to the environmental professional. The User should do so before the environmental professional conducts the site reconnaissance. The User must gather such information to the extent necessary to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products.

Degree of Obviousness: The User must consider the degree of obviousness of the presence or likely presence of releases or threatened releases at the property and the ability to detect releases or threatened releases by appropriate investigation including the information collected during this Phase I Environmental Site Assessment.

User shall make known to the environmental professional the reason the User wants to have the Phase I Environmental Site Assessment performed or, if the User does not identify the purpose of the Phase I Environmental Site Assessment, the environmental professional shall assume the purpose is to qualify for an LLP to CERCLA liability and state this in the report.

1.3 Scope

GeoSolve, Inc. was authorized by Mr. David Jacobson of Encore Liberty II, LLC on August 30, 2021, to perform the following:

a) Perform a field reconnaissance of the subject property for significant surficial signs of hazardous waste release, storage of hazardous materials, and surficial indications for the presence of USTs, and water wells;

b) Off-site research into past land use of the property involving, as applicable, telephone and personal interviews with government personnel and the review of historical documents;

c) A review of available aerial photographs for obvious surficial features indicative of past land use with attention to indicators of hazardous materials or waste use, disposal, or storage;

d) An interview with the current property owner(s);

e) A review of fuel leak and chemical release lists and files for soil and groundwater contamination cases within a 1-mile radius from the subject property as made available through the appropriate Federal and State and local regulatory agencies, if available;

f) Documentation of the site with photographs; and

g) Preparation of this report.

2.0 SITE LOCATION AND DESCRIPTION

2.1 Location

The subject property is situated within the greater San Francisco Bay Region within the eastern region of Solano County. The property consists of two parcels located at 7982, 7985, 7987, and 7989 Highway 12 in Rio Vista, California. Two residences, a shop and a large barn occupy the site. Burnt buildings were observed on the northern portion of the site and vacant agricultural land surrounded the site, except to the south where State Highway 12 bounds the site. The property occupies approximately 6.92 acres with Assessor Parcel Numbers (APNs) 0048-110-100 and 0048-110-490. The site vicinity map is shown on Figure 1 and the site plan is shown on Figure 2.

2.2 Topography and Drainage

The local topography is slightly hummocky with elevations ranging from 50 feet above mean sea level (msl) on the southwest to approximately 40 feet above msl to the northeast. The property slopes up to the north-northeast and an ephemeral drainage was mapped on the property known as "Watson Hollow" which flows to the south-southeast. Drainage of the property appears to be to the south-southeast along topography.

2.3 Geology/Hydrogeology

The materials underlying the site are mapped as Pliocene-aged alluvial deposited derived from the Montezuma Hills and vicinity (Qal) (Atwater, 1982). These alluvial deposits cosist of alternating layers of gravel, sand, silt, and clay.

The nearest active fault is the Gravelly Valley fault, located approximately 5 miles west f the site, which is mapped as a thrust fault according to the Alquist-Priolo Earthquake Fault Zones Act (1997). The subject site is not situated within an Alquist-Priolo Earthquake Fault zone and is not located on a zone for liquefaction.

Groundwater is approximately 25 feet below ground surface (bgs) and flows southeast into Watson Hallow ephemeral drainage.

2.4 Site Visit

A ***GeoSolve, Inc.*** field geologist visited the site on Tuesday, August 31, 2021, and made the following observations:

- The property located at 7982, 7985, 7987, and 7989 Highway 12 in Rio Vista, California, and was accessible directly from Highway 12, immediately west of Trilogy at Rio Vista development. The property is located at 7983 and 7989 Highway 12 and the property was listed as the "Brann Family Farm." Digital photos of the site are shown on Photos 1A through 4B.

- Due to the age of the structures, lead-based paint (LBP) and/or asbestos containing materials (ACMs) are anticipated to be present within and/or on the structure.

- Drums and cans of unknown liquids were observed in the shop, with stained concrete floors. Debris and trash were also observed within the barn area. Since the property was utilized for row crops, organochlorine and arsenic pesticide residues maybe present in the surficial soil around the property.

- No current evidence of existing USTs, sumps, or pits were noted at the subject property. No noxious odors, or stressed vegetation was observed on the site. No evidence of polychlorinated biphenyls (PCBs) was observed on the subject site. The United States Geological Survey (USGS) considers this a low exposure potential area for radon.

3.0 SITE HISTORY REVIEW

GeoSolve, Inc. examined eleven (11) aerial photographs, and seven (7) historical topographic maps. Sanborn Maps were not available for the site. All historical information was provided by Environmental Data Resources, Inc (EDR). Data for the photographs and topographic maps are tabulated below:

AERIAL PHOTOGRAPHS EXAMINED		
Flight Date	**Approximate Scale**	**Identification Number**
1937	1:6000	USDA – 6653868.4
1952	1:6000	USDA – 6653868.4
1968	1:6000	USGS – 6653868.4
1972	1:6000	USDA – 6653868.4
1974	1:6000	USGS – 6653868.4
1984	1:6000	USDA – 6653868.4
1993	1:6000	USGS/DOQQ – 6653868.4
2006	1:6000	USDA/NAIP – 6653868.4
2009	1:6000	USDA/NAIP – 6653868.4
2012	1:6000	USDA/NAIP – 6653868.4
2016	1:6000	USDA/NAIP – 6653868.4

HISTORICAL TOPOGRAPHIC MAPS		
Date	**Scale**	**USGS Topographic Map**
1910	1:24000	7.5-Minute Rio Vista Quadrangle
1952	1:62500	15-Minute Rio Vista Quadrangle
1953	1:24000	7.5-Minute Rio Vista Quadrangle
1968	1:24000	7.5-Minute Rio Vista Quadrangle
1978	1:24000	7.5-Minute Rio Vista Quadrangle
1993	1:24000	7.5-Minute Rio Vista Quadrangle
2012	1:24000	7.5-Minute Rio Vista Quadrangle

3.1 Regional and Local History

Rio Vista is a city located in the eastern end of Solano County, California, in the Sacramento River Delta region of Northern California.[8] The population was 7,360 at the 2010 census. Rio Vista is a small rural town approximately 50 miles (80 km) south of Sacramento, on the Sacramento River in the Sacramento River Delta.

According to the United States Census Bureau, the city has a total area of 7.1 square miles (18 km^2), of which, 6.7 square miles (17 km^2) of it is land and 0.4 square miles (1.0 km^2) of it (5.68%) is water. (https://en.wikipedia.org/wiki/Rio_Vista,_California)

3.11 Regional History

Attributed to the Bay Miwoks, who inhabited the area between 1100 and 1770 AD, are the first records of known cultural culture in the west delta. The Bay Miwok people, generally referred to by European explorers as the Julpunes or Pulpunes, were organized into "tribelets"—political units that included many relatively permanent villages and a collection of seasonal campsites spread over a well-defined territory. In the 1770s, Spanish incursions into the region began. The De Anza expedition of 1775–76 was the first to reach what are now the city limits. Nevertheless, the De Anza expedition returned to Monterey after a failed effort to find a way across the tule swamps toward the Sierra. Subsequent Spanish expeditions did not contribute to colonization. In the 19th century, Europeans arrived in the Delta, but had been ravaged by malaria and smallpox.

3.12 Local History

The present location of Rio Vista is several miles south of the original settlement. Colonel Nathan H. Davis founded "Brazos del Rio" near the entrance of Cache Slough at the Sacramento River, on the Rancho Los Ulpinos Mexican land grant, in 1858. The settlement was renamed "Rio Vista" before a flood in 1862 that resulted in the town moving to its present location on higher ground. The city's name combines the Spanish words for "river" and "view." Post authorities established office in 1858. The community was officially incorporated as Rio Vista on December 30, 1893. The property was utilized as Brann Family Farm from 1940 through present, although row crop farming has not occurred on site since the 1990s.

The newspaper of record there is the River News-Herald and Isleton Journal, established in 1890. From 1911 through 1992 Rio Vista was home to the United States Army Reserve Center, Rio Vista. The facility was initially established as a base for river control activities by the U.S. Army Corps of Engineers. During the 1950s it was used by the U.S. Army Transportation Corps to store and maintain harbor craft, and during the 1960s and 1970s it was used to prepare amphibious

vehicles for transportation to Vietnam and to train troops in their use. In 1980 it was transferred to the U.S. Army Reserve and in 1992 it was closed due to a BRAC decision. The town also hosts a United States Coast Guard station, established in 1963 (https://en.wikipedia.org/wiki/Rio_Vista,_California)

3.2 Aerial Photographic Site Features

Historical aerial photographs revealed several insignificant changes occurring at the subject property over the 84 years that the maps encompassed. In 1937, the subject site was occupied by several homes associated with a farm, and a dirt road was observed perpendicular to Highway 12 and serviced the property. Trees were observed along the western border. A seasonal creek was observed a mile to the north of the site. A clearer aerial view of the property in 1952 outlined additional structures, barn, and shop between the two homes. Row crops were observed along the edge and immediately offsite. Trees were also observed lining Highway 12. By 1968, an additional home was observed on the northern portion of the site. The seasonal creek or waterway to the north can be seen in abundance outside of the targeted property. In 1972, a dirt road can be observed that heads east, and parallels Highway 12 and in 1974 the access road has grown along with the dirt road that intersects the property and heads north. By 1984 the access road that runs east to west looks to be paved and larger. The property changes little but holds the footprint of the properties. Agriculture is surrounding the property to the north and to the west. The property remained much the same between the 1993 and 2012 aerial maps. Copies of the aerial photographs are attached to the appendix.

3.3 Historical Topographic Map Site Features

In 1910, the subject property was vacant land and Highway 12 was mapped immediately south of the site as a dirt road. An ephemeral drainage was mapped bisecting the property. By 1952, two structures were mapped on site with a small dirt road originating from the now paved Highway 12 to the site, and by 1953, three structures were mapped on site. No significant changes were observed on site in 1968, and by 1978, five structures were mapped on site. No changes were observed on site in 1993 and no structures were mapped on site in 2012. Copies of the historical topographic maps are attached to the appendix.

3.4 Review of Environmental LienSearch™ Report

The property with corresponding APN 0048-110-100, is owned as a Deed and the title is vested The Bobby R. Johnson and Edna S. Johnson 2001 Trust (1/4 Interest), Naoma Ruth Riddle (1/4),

William Clyde Brann (1/4), and John Arthur Brann (1/4). This instrument was executed on April 6, 2001, and was recorded on September 12, 2001, under instrument number 200100104618.

The property with corresponding APN 0048-110-490, is owned as a Deed and the title is vested: Timothy D Taron, Trustee of the Brann Irrevocable Trust (1/2 Interest); Bobby R Johnson and Edna S Johnson 2001 Trust (1/8 Interest); Naoma Ruth Riddle (1/8), William Clyde Brann (1/8); John Arthur Brann (1/8). This instrument was recorded on May 3, 2016, under instrument 201600035660.

No environmental liens or other activity and use limitations were documented for the parcels. A copy of the EDR Environmental LienSearch™ Report is attached to the appendix.

3.5 Sanborn Map Review

Sanborn map coverage was not available for these properties.

3.6 Review of EDR City Directory Abstract

No information was available from 1920 through 1985. The following listings were recorded for occupants at the subject property in the table below and a copy of the EDR City Directory Abstract is attached to the appendix.

Date	Address	Occupant
1986	7989 Highway 12	William C Brann
	7987 Highway 12	William A Brann
	7983 Highway 12	Gail Brann
1995	7989 Highway 12	William C Brann
	7987 Highway 12	William A Brann
	7983 Highway 12	Gail Brann
2000	7989 Highway 12	William C Brann
	7987 Highway 12	William A Brann
	7983 Highway 12	Gail Brann
2005	7989 Highway 12	William C Brann
	7987 Highway 12	Occupant Unknown
	7983 Highway 12	Gail Brann
2010	7989 Highway 12	William C Brann
	7987 Highway 12	Occupant Unknown

Date	Address	Occupant
	7983 Highway 12	Gail Brann
2014	7989 Highway 12	Occupant Unknown
	7987 Highway 12	William C Brann
	7983 Highway 12	Occupant Unknown
2017	7989 Highway 12	William C Brann
	7987 Highway 12	Occupant Unknown
	7983 Highway 12	Occupant Unknown

3.7 EDR Vapor Encroachment Screen

EDR performed a Vapor Encroachment Screen report for the subject site. Based on the data, no sources of vapor intrusion were documented near or beneath the site. A copy of the EDR Vapor Encroachment Screen report is attached to the appendix.

3.8 Review of City and County Records

GeoSolve, Inc. contacted the City of Rio Vista Building and Planning Departments to ascertain the past use of the property. According to the City of Rio Vista, the residence located on 7983 Highway 12 was constructed in 1940, and has three bedrooms and two bathrooms with an area of 1,568 square feet (sf). The residence located at 7989 Highway 12 was constructed in 1946, and consists of four bedrooms and two bathrooms and has two stories. The total area of this residence is 2,069 sf. The homes are serviced by septic tanks and water supply wells. In addition, ***GeoSolve, Inc.*** contacted the Solan County Assessor's Office to ascertain the value of the properties. According to the Solano County Assessor's Office, the property located at 7983, 7985, and 7987 Highway 12 has an assessed value of $380,413 in 2021/2022. The property located at 7989 Highway 12 has an assessed value of $58,275 in 2021/2022. The properties have APNs 0048-110-100 and 0048-110-490, which occupies 6.92 acres (https://www.solanocounty.com/depts/ar/viewpropertyinfo.asp). The parcel map is attached to the appendix.

3.9 Review of Previous Environmental Reports

Previous environmental reports were available from the Solano County Management Department of Environmental Health (SCMD) and were also provided by you. These reports are attached to the appendix.

3.10 Interviews with Property Owner

GeoSolve, Inc. contacted the current property owner, Mr. William Brann during our site visit. According to the current owner, two (2) former 300-gallon gasoline USTs were situated immediately north of the residence at 7983 Highway 12 and were removed in 1993. Mr. Brann was unaware of any other adverse environmental conditions at the site and stated three groundwater supply wells are present on site, two active and one inactive. A residence burned in the late 2010s on the northern portion of the site.

4.0 REVIEW OF PUBLIC RECORDS OF REGULATORY AGENCIES

4.1 Primary Contamination Sources

GeoSolve, Inc. conducted a review of files at Solano County Resource Management Department of Environmental Health (SCMD), City of Rio Vista Fire Department (OFD), and the California Regional Water Quality Control Board – Region 2 (RWQCB) using the Geotracker website to ascertain property information for the site. File review of the SCMD revealed a document dated June 1, 1988, indicating the presence of two 300-gallon gasoline USTs situated on the property. These tanks were removed in 1993, according to EDR. ***GeoSolve, Inc.*** received files from SCMD indicating an investigation to excavate and sample the former UST pit was conducted on April 18, 2018. Based on the laboratory results of the soil samples, no detectable concentrations of total petroleum hydrocarbons reported as gasoline (TPHg) or gasoline constituents benzene, toluene, ethyl benzene, or total xylenes (BTEX) were reported from the two soil samples. The SCMD officially closed this file in August 2018. Copies of these documents are attached to the appendix (https://www.solanocounty.com/depts/rm/environmental_health/hazmat/site_mitigation_programs.asp).

According to the RWQCB, no SLIC files were associated with the subject site (https://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=7989+Highway+12%2C+Rio+Vista%2C+CA).

GeoSolve, Inc. also contacted the California Department of Toxic Substances and Control (DTSC) to ascertain if any files documenting the presence of hazardous wastes and/or hazardous substances were available for the subject site. No SLIC files were identified (https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=7989+Highway+12%2C+Rio+Vista%2C+CA).

The following is a summary of the potential Hazardous Substances in connection with identified uses:

ACMs and/or LBP

GeoSolve, Inc. conducted a walk-through of the site, which was built prior to 1980. Since the residences were constructed in 1940 and 1946, the buildings may contain lead-based paint (LBP). No visual evidence for the presence of ACMs were observed on the residence; however, is suspected within the structure. The paint on the exteriors may have been LBP, and may pose a lead-based material (LBM) hazard. ACMs were documented to be present and removed from the razed structures through a City of Fremont demolition permit.

An LBM hazard is defined as a condition that causes exposure to lead from lead-contaminated dust, lead-contaminated soil, and lead-contaminated paint that is deteriorated or present in accessible surfaces, friction surfaces, or impact surfaces *that would result in adverse human health effects* as established by the appropriate federal agency. LBP is considered to be hazardous under the following conditions:

- Children under age seven chewing or mouthing on painted surfaces or when they are exposed to LBP dust, soil contaminated with lead, LBP which is in deteriorated condition (i.e., flaking, peeling, or cracking); and

- Prolonged or repeated exposure of other facility occupants or workers to airborne LBP dust. Certain types of paint applied before 1980 are more likely to contain lead. These are oil-based paints used in industrial facilities as well as residences, applied primarily to kitchens, bathrooms, and interior and exterior wood trim in residences. Latex paint for architectural use, which normally does not contain lead, became popular after 1960, and all paint applied after 1980 to the interior and exterior of houses and non-industrial buildings was latex. However, because of their durable properties and lack of federal regulation, LBP continued to be used in industrial facilities, on steel structures, and for pavement markings. Additionally, LBP may also be found in non-industrial facilities, primarily in primers on ferrous metal surfaces.

LBP, if present, may have contaminated the soil around the residences and former burned residence on the northern portion of the property with lead in the surficial soil.

Radon Gas

According to the EDR Radius Report, the Federal EPA Radon Zone for Solano County is 3 and based on that the indoor radon average level is < 2 pCi/L. Radon gas levels exceeding 4 pCi/L within residential buildings is considered by the EPA to be inhabitable without radon gas mitigation.

Facility Storage Tanks (above or below ground)

No above-ground storage tanks (ASTs) or underground storage tanks (USTs) were documented and/or observed on the site.

Transformers or Other Electrical Equipment that uses Dielectric Fluid

No transformers were observed on and/or near the property.

Remediation and Site Closures

An investigation was conducted at the former UST pit on April 18, 2018 to evaluate if any TPHg and/or BTEX residues were present beneath the former tanks. Laboratory analytical results of the soil samples collected at either end of the former UST pit indicated no detectable concentrations of TPHg or BTEX in the soil samples and the SCMD officially closed this facility. However, the SCMD was concerned about LBP and ACMs in the former burned residence on the northern portion of the property and LBP/ACMs within the existing structures at the site. West Associates Environmental Engineers, Inc. (West) conducted evaluation of asbestos in the bunkhouse and cookhouse on April 2018. No elevated concentrations of asbestos were detected. No evaluation of LBP or lead in the surficial soil was conducted by West. In April 13, 2018, West conducted remediation in the big shop at the site. Initially, 16 parts per million (ppm) of DDT was detected in sample P-1, up to 5,400 ppm of total petroleum hydrocarbons reported as diesel (TPHd), and up to 37,000 ppm of total petroleum hydrocarbons reported as motor oil (TPHmo) was detected in sample TPH-2. Excavation of the contaminated soil was commenced on June 19 and July 8, 2018. The soil was removed by the property owner and disposed at an unknown location. Confirmation soil samples indicated DDT concentration at 0.57 ppm and no detectable concentrations of TPH were reported. A copy of this report is attached to the appendix. Evaluation of volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs) and metals into the shallow soil-gas and soil beneath the shop area were not performed by West. Copies of these documents are attached to the appendix.

4.2 Secondary Contamination Source Sites

For the purposes of this investigation, a search was made of 126 State and Federal regulatory agency lists of contaminated or potentially contaminated sites, or properties where transportation, handling, storage, and/or disposal of hazardous materials occurs or has occurred.

In accordance with recently adopted standards by the American Standard for Testing and Materials (ASTM, 2013), details of the 126 databases which were searched are within the attached EDR, Inc. Report. It should be noted that listings reported without location data were found to be more distant than the standard minimum search distance. In addition, some of the databases consist of lists of handlers, transporters, and generators of toxic materials rather than contaminated sites.

Out of all databases searched, two (2) secondary potential sites were identified within a 0.13-mile radius of the subject site, which are as follows:

- **Brann Brothers Ranch, 7989 State Highway 12, Rio Vista** – this property is located onsite and is listed on the HIST UST, SWEEPS UST, UST, and LUST databases for the two 300-gallon gasoline USTs located on the property, which were reportedly removed from the site. No other information was available.

- **Pacific Gas and Electric Company/Michels Corporation, 3059 Cattey Lane, Rio Vista** – this property is located approximately 676 feet west-southwest and down-gradient from the subject site. This facility is listed on the RCRA NonGen/NLR database for generation of non-hazardous waste. No other information was available.

One well was located approximately 0.13-mile west of the properties and was drilled to approximately 380 feet. No information on depth to water was available. No oil-gas wells were mapped within a 0.13-mile radius of the property. Based on EDR report dated September 9, 2021, the subject property is not situated on a FEMA 100- or 500-year flood zone. No Coal Gas site was found in a search of Real Property Scan's ENVIROHAZ database.

5.0 DATA GAPS

The following Data Gap was recognized:

- Four (4) "orphaned sites" were not mapped for the database report. This data gap was filled by reviewing the location of the streets or by physically driving the neighborhood of the subject property to confirm that these orphaned sites were outside the search radius.

This data gap did not alter our findings and/or recommendations for the site.

6.0 SUMMARY OF FINDINGS

GeoSolve, Inc. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-2013 at 7983, 7985, 7987, and 7989 State Highway 12 in Rio Vista with APNs 0048-110-100 and 0048-110-490 in Solano County, California, the property. Any exceptions to, or deletions from, this practice are described in Section 5.0 of this report.

This assessment has revealed five (5) Recognized Environmental Conditions (RECs) associated with the site: 1) the potential presence of two-300 gallon gasoline USTs immediately north of the residence at 7983 Highway 12; 2) VOCs and metals maybe present beneath the shop building in surficial soil; 3) potential residual arsenic and organochlorine pesticides in shallow soil from historical agricultural use; 4) potential for ACM and LBP on and within the structures at the site; and 5) potential for lead in the surficial soil due to potential lead-based paint on the structures and burned residence on the northern portion of the property.

The following summarizes the assessment of the subject site:

- The subject property is situated within the greater San Francisco Bay Region within the eastern region of Solano County. The property consists of two parcels located at 7982, 7985, 7987, and 7989 Highway 12 in Rio Vista, California. Two residences, a shop and a large barn occupy the site. Burnt buildings were observed on the northern portion of the site and vacant agricultural land surrounded the site, except to the south where State Highway 12 bounds the site. The property occupies approximately 6.92 acres with APNs 0048-110-100 and 0048-110-490. The property ranges in elevation from 50 feet on the southwestern portion of the site and down to 40 feet above msl on the northeastern portion of the site.

- Based on site observations, review of historical aerial photographs and topographic maps, and file review information, the property was formerly utilized for agricultural use and was initially developed prior to 1937, although permitted in 1940 and 1946 for the residences. Two 300-gallon gasoline USTs were present on the property immediately north of the residence at 7983 Highway 12, and were removed from the site. An investigation was conducted at the former UST pit on April 18, 2018 to evaluate if any TPHg and/or BTEX residues were present beneath the former tanks. Laboratory analytical results of the soil samples collected at either end of the former UST pit indicated no detectable concentrations of TPHg or BTEX in the soil

samples and the SCMD officially closed this facility. However, the SCMD was concerned about LBP and ACMs in the former burned residence on the northern portion of the property and LBP/ACMs within the existing structures at the site. LBP was not evaluated; however, no detectable to trace concentrations of asbestos were reported in the bunkhouse and cookhouse at the site. Furthermore, three groundwater supply wells (two active and one inactive) are present on the property. Various drums and chemical containers were observed within the shop building, and may have impacted the shallow soil beneath the shop area. The property also contains at least three septic tanks.

- Due to the age of the residences, LBP and/or ACMs are most likely present on and/or within the structures and burned residence in the surficial soil around the former burned residence on the northern portion of the site. Since the property was formerly used as a farm and agricultural use, organochlorine and arsenic pesticide residues maybe present within the surficial soil.

- RECs for the subject site include the following: 1) the potential presence of two-300 gallon gasoline USTs immediately north of the residence at 7983 Highway 12; 2) VOCs, PCBs, and metals maybe present beneath the shop building in surficial soil; 3) potential residual arsenic and organochlorine pesticides in shallow soil from historical agricultural use; 4) potential for ACM and LBP on and within the structures at the site; and 5) potential for lead in the surficial soil due to potential lead-based paint on the structures and burned residence on the northern portion of the property.

- Based on EDR information dated September 9, 2021, two secondary potential sites were identified within a 0.13-mile radius of the subject property, which included the subject site. The main issue reported are the two 300-gallon gasoline USTs reported on the subject site.

7.0 SITE-SPECIFIC RECOMMENDATIONS

In view of the above findings, it is the opinion of ***GeoSolve, Inc.*** additional environmental assessment of the subject property **is warranted**, and should include the following:

- Conduct a Phase II ESA regarding evaluating gasoline hydrocarbons in soil-gas, subsurface soil, and groundwater around the around and beneath the shop building to evaluate the subsurface soil, soil-gas and groundwater for VOCs and metals. In addition, ten (10) soil samples should be collected from the surficial soil at random locations around the property and analyzed for organochlorine pesticides, arsenic, and lead.

- Contracting with a California licensed CAC to conduct a demotion survey of the buildings for ACM and LBP.

- Proper destruction of the wells through Solano County Resource Management Department.

- Proper removal of the septic tanks and leach fields through the Solano County Resource Management Department.

8.0 LIMITATIONS

This environmental site assessment was performed according to the recommended guidelines established by ASTM designation E1527-2013 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This report has been prepared for the specific application to this project in a manner consistent with the level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in this area. This report contains information reported to ***GeoSolve, Inc.***, by other sources, accordingly, and errors or omissions may be present that ***GeoSolve, Inc.*** cannot be responsible for. The findings of this report apply to the present condition of the subject property only (as of August 31, 2021); the opinions expressed herein are subject to revision in light of latest information relevant to the site and/or in its immediate surroundings. Results from Phase I environmental investigations are based on surficial evidence and public records and databases only. Subsurface conditions of the site cannot be rigorously evaluated without performing a subsurface environmental investigation and actually testing of the soil, and groundwater for potential contaminants.

9.0 INFORMATION SOURCES

ASTM, November 2013. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*: ASTM Standards E1527-2013.

Atwater, B. I., 1982, *Geologic Maps of the Sacramento-San Joaquin Delta, California, USGS MF 1401*.

City of Rio Vista Building and Planning Departments.

City of Rio Vista Fire Department.

Environmental Data Resources (EDR) Radius Report dated September 9, 2021.

EDR Aerial Photography Decade Package dated September 8, 2021.

EDR Building Permit Report dated September 8, 2021.

EDR Environmental Lien and AUL Search Report dated September 10, 2021.

EDR Property Tax Map Report dated September 8, 2021.

EDR City Directory Image Report dated September 13, 2021.

EDR Sanborn Maps dated September 8, 2021.

EDR Historical Topographic Map Report dated September 8, 2021.

EDR Vapor Encroachment Screen Report dated September 8, 2021.

Regional Water Quality Control Board – San Francisco Bay Region.

Solano County Resource Management Department of Environmental Health.

United States Geological Survey, 15-Minute Rio Vista Quadrangle Topographic Map dated 1952, Scale 1:62500.

United States Geological Survey, 7.5-Minute Rio Vista Quadrangle Topographic Maps dated 1910, 1953, 1968, 1978, 1993, and 2012, Scale 1:24000.

Online Documents/Resources

https://pubs.usgs.gov/pp/0943/report.pdf

https://en.wikipedia.org/wiki/Rio_Vista,_California

https://www.solanocounty.com/depts/ar/viewpropertyinfo.asp

https://www.solanocounty.com/depts/rm/environmental_health/hazmat/site_mitigation_programs.asp

https://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=7989+Highway+12%2C+Rio+Vista%2C+CA
https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=7989+Highway+12%2C+Rio+Vista%2C+CA

10.0 ENVIRONMENTAL PROFESSIONAL QUALIFICATION

As required by 40 CFR § 312.21(d), "I, Robert D. Campbell of ***GeoSolve, Inc.*** declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined in §312.10 of 40 CFR § 312" and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

This Phase I Environmental Site Assessment was performed by Mr. Robert D. Campbell, a qualified Environmental Professional as defined in 40 CFR Part 312.10.

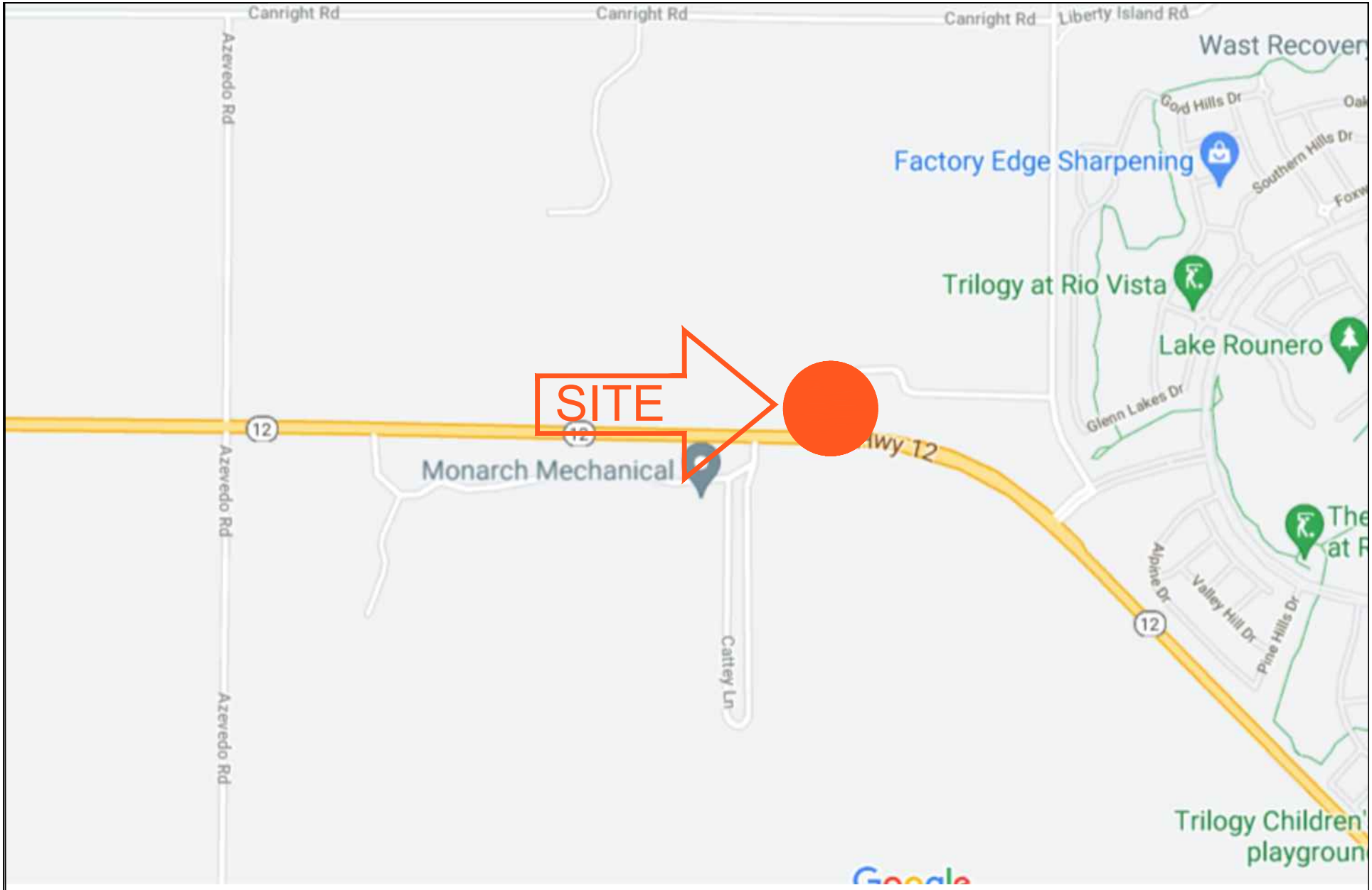
Mr. Campbell holds a Baccalaureate degree from U.C. Davis (an accredited institution of higher education) and a Master of Science degree from C.S.U. East Bay (an accredited institution of higher education) in the discipline of Geology. Mr. Robert D. Campbell holds a valid Professional Geology license in the State of California (6454); a valid Certified Engineering Geology license in the State of California (2089); and a valid Professional Geology license in the State of Arizona.

Mr. Campbell has over 32 years of environmental, geological, and hydrogeological experience, more specifically in environmental assessments including Phase I and Phase II Environmental Site Assessments (ESAs), which exceeds the regulatory requirement of three years of relevant experience.

Mr. Campbell remains current in his field and has received 1.6 Continuing Education Units (CEUs) and 12 Professional Development Hours (PDHs) in the previous 12-month period. He is also compliant with OSHA HAZWOPER 8-hour refresher requirements, including medical surveillance. As required in 40 CFR 312.27, Mr. Campbell directly conducted the Field Visit including the visual inspection of the Site, adjacent properties, and surrounding areas on August 31, 2021.



"All Appropriate Inquiry" was also conducted by Mr. Campbell as were all interviews. The record search, historical photo and topographic map search were conducted by EDR, Inc. The findings, opinions and recommendations of this Phase I Environmental Site Assessment are those of ***GeoSolve, Inc.*** as formulated by Mr. Robert D. Campbell.



Visit us at www.geosolve-inc.com

GeoSolve, Inc.
Geoscience solutions rather than Status-Quo
Address: 1807 Santa Rita Rd, Suite D-165
Pleasanton, California 94566

SITE PLAN

ENCORE LIBERTY II, LLC
PHASE I ESA
7983,7985,7987, AND 7989 HIGHWAY 12
RIO VISTA, CA

Project No.	Drawn by:
2021-26	GC
Scale:	Date:
NTS	09/2021

Figure No.

1



GeoSolve, Inc.
Geoscience solutions rather than Status-Quo
Address: 1807 Santa Rita Rd, Suite D-165
Pleasanton, California 94566
Visit us at www.geosolve-inc.com

SITE PLAN

ENCORE LIBERTY II, LLC
PHASE I ESA
7983,7985,7987, AND 7989 HIGHWAY 12
RIO VISTA, CA

Project No.	Drawn by:
2021-26	GC
Scale:	Date:
AS SHOWN	09/2021

Figure No. 2

SITE PHOTOGRAPHS

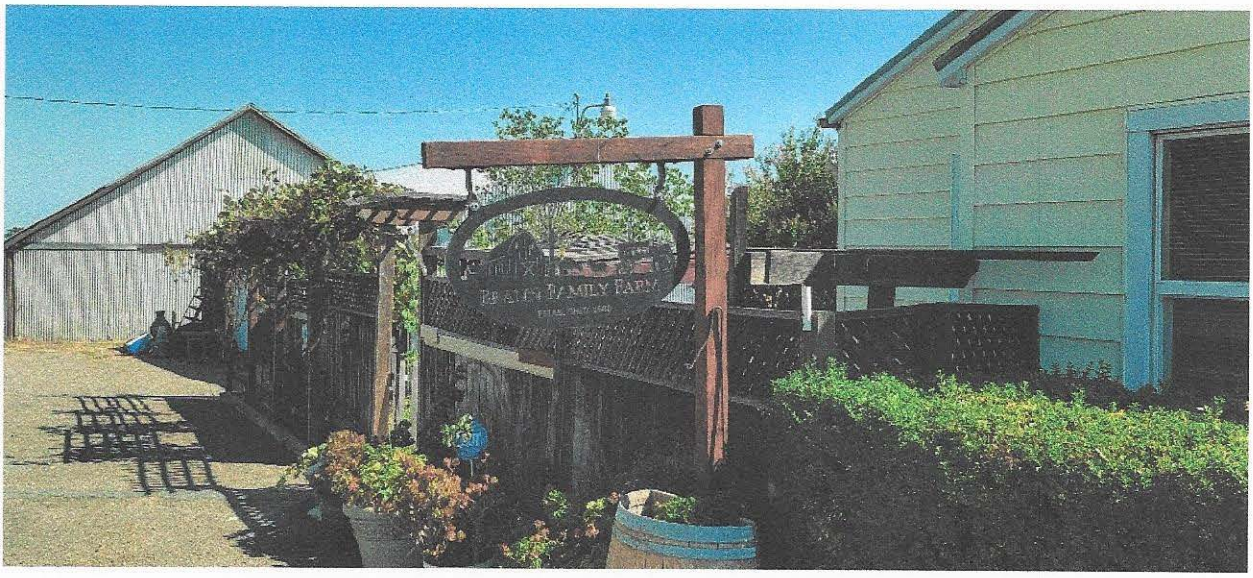


Photo 1A: View of Brann Valley Ranch home (viewing southeast)

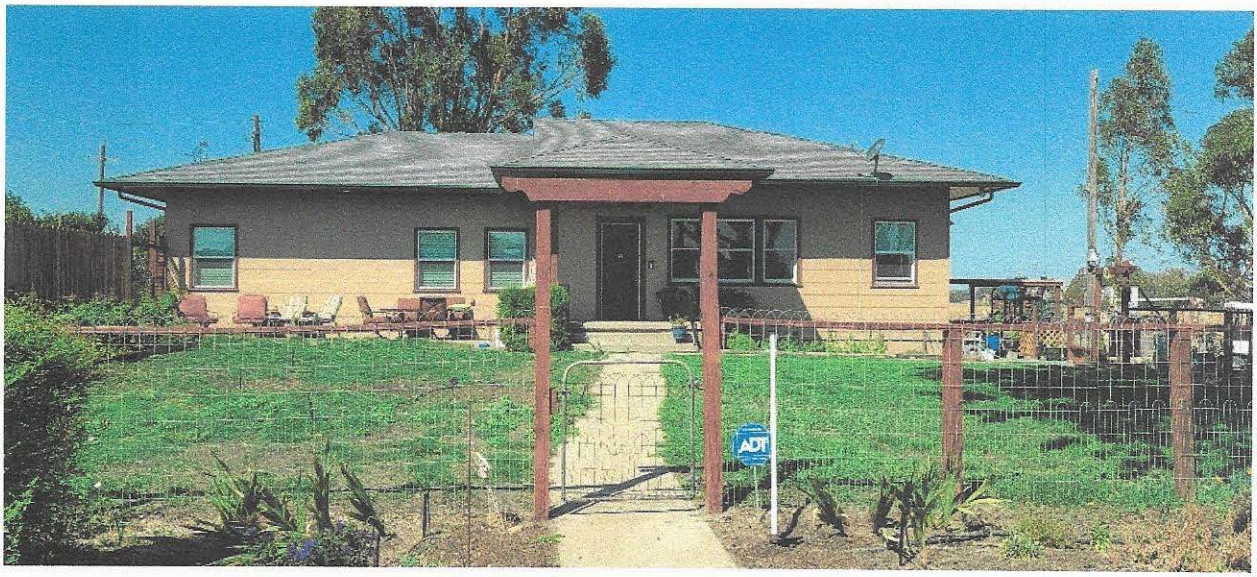


Photo 1B: View of residence (viewing north)

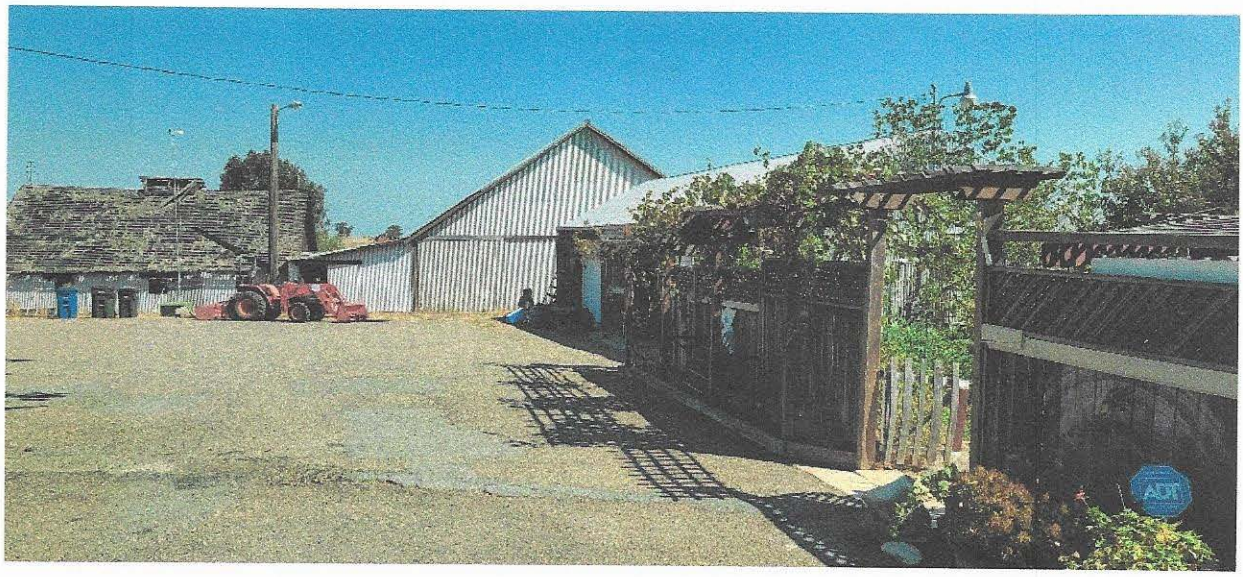


Photo 2A: View of Shop and Barn buildings (viewing southeast)

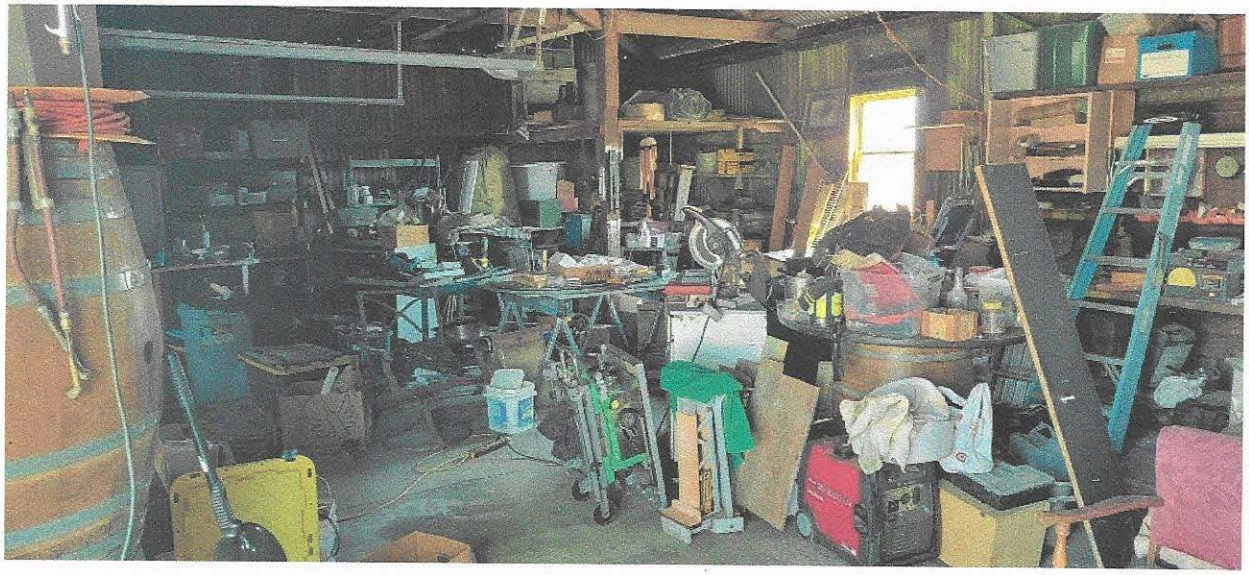


Photo 2B: View of inside Shop building



Photo 3A: View of former USTs location – southeast of residence



Photo 3B: View of burned former residence (viewing northeast)

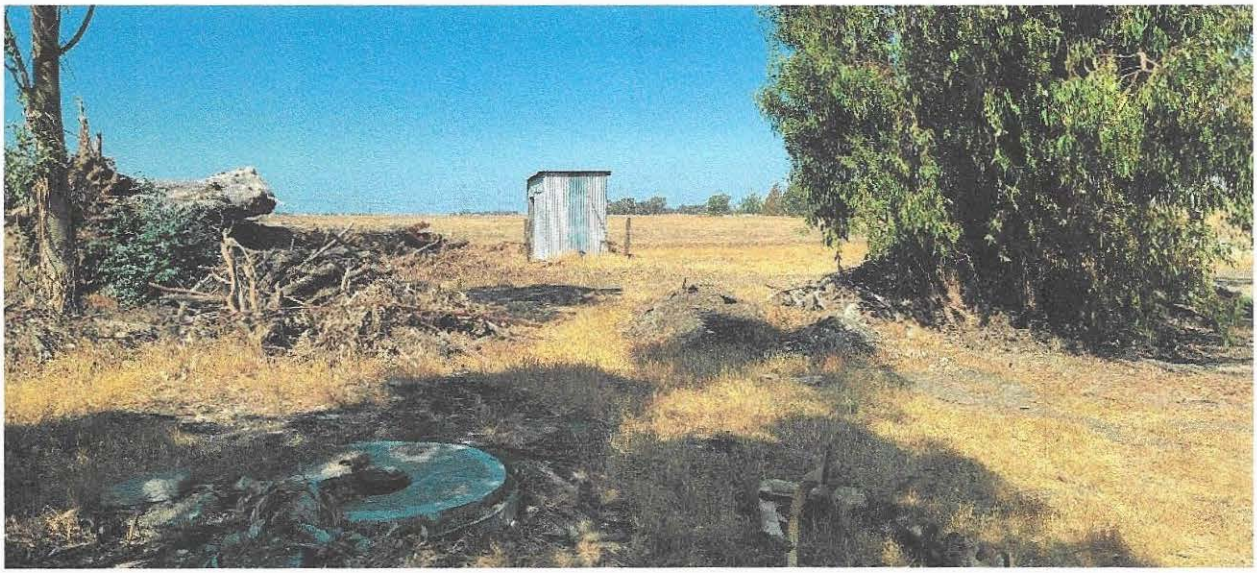


Photo 4A: Location of former Water Well (viewing northeast)



Photo 4B: View of Highway 12 access to site (viewing southwest)

SOLANO COUNTY AND OWNER PROVIDED ENVIRONMENTAL REPORTS AND DOCUMENTS

SOLANO COUNTY DEPARTMENT OF RESOURCE MANAGEMENT
FIELD NOTES

PAGE: 1 OF 1
DATE: 4/20/18
PROGRAM: 295-700314-8
SITE # none

SITE NAME: Brann Ranch

SITE ADDRESS: 7983 State Hwy 12, Rio Vista CA

- SCDRM onsite as requested to witness excavation of former tank pit at residence. Arrived onsite ~9:50am

- Additional investigation at former cook house and ~~bunk~~ bunk house. A fire burned down the structures ~15 years ago. Concern over asbestos from lead paint, roof tiles and other building materials. Brian West w/ West Associates took samples previously of debris and soil to be analyzed by a lab. Additionally, samples were taken previously of the floor in the back shop building where chemicals were stored. Brian said there is evidence of staining.

- There is an existing home onsite that may have asbestos as well. The home will be demolished.

- Location where West tank was located did not show any obvious signs of contamination. No staining, no odor. Did not witness entire excavation of East tank.

INSPECTOR: Courtney White

BILL EMLEN
Director
(707) 784-6765
TERRY SCHMIDTBAUER
Assistant Director
(707) 784-6765
JAGJINDER SAHOTA
Environmental Health Manager
(707) 784-6765

DEPARTMENT OF RESOURCE MANAGEMENT

SOLANO COUNTY

Environmental Health Division

675 Texas Street, Suite 5500
Fairfield, CA 94533-6342
(707) 784-6765
Fax (707) 784-4805

www.solanocounty.com

July 25, 2018

Brian West
West & Associates Engineers, Inc.
630 Eubanks Ct., Ste. G
Vacaville, CA 95688

RE: Notification of Solano County Department of Resource Management Voluntary Oversight, 7983 State Highway 12, Rio Vista, CA 94571, APN: 0048110490, SCDRM File # 29-700314

To Whom It May Concern:

Solano County Department of Resource Management (SCDRM) Environmental Health Services Division received a request for oversight regarding environmental sampling at the site with the aim to receive a closure certification of the former tank pits at the site.

As an agent to the responsible party, you have the option to contact the Department of Toxic Substances Control, the applicable office of the California Regional Water Quality Control Board, or go through the formal site designation process. As requested during our correspondence and pursuant to the Health and Safety Code, sections 101480 through 101490, SCDRM is willing perform the necessary regulatory oversight activities to evaluate the areas of possible impact on site to determine if the past uses and releases that occurred on the property present a risk to human health, water quality, and/ or the environment.

Work conducted by SCDRM will be performed consistent with cleanup standards specified by the Department of Toxics Substance Control (DTSC), State Water Resources Control Board and the California Regional Water Quality Control Board. Work proposed for reimbursement includes: 1.) Review work plans, investigation reports, remediation plans, quarterly monitoring reports and associated correspondence from the discharger, its consultant and/or interested parties; 2.) Conduct site inspections following up on the interim remedial action work plan and conduct duplicate samplings if necessary; 3.) Conduct meetings regarding the site when issues relevant to site cleanup are required; and 4.) Discuss issues related to the site and prepare written correspondence between SCDRM and interested parties.

The costs associated with SCDRM oversight will be invoiced based on the current Schedule of Permit Fees established by the Board of Supervisors. Currently, the hourly rate is $156 per hour. Cost will be billed based on the hourly rate after the initial review of 8 hours has been reached as agreed upon in our correspondence.

Please acknowledge, in writing, your intent to reimburse SCDRM for cleanup oversight work and comply with our directives. Please be advised that as this is a voluntary agreement SCDRM

SAEED IRAVANI
Building Official
Building & Safety

MIKE YANKOVICH
Program Manager
Planning Services

JAG SAHOTA
Manager
Environmental Health

SARAH PAPPAKOSTAS
Senior Staff Analyst
Administrative Services

MATT TUGGLE
Engineering Manager
Public Works Engineering

CHARLES BOWERS
Operations Manager
Public Works Operations

CHRIS DRAKE
Parks Services Manager
Parks

ROBERTA GOULART
Water & Natural Resources Program Manager

reserves the right refer this case to the applicable office of California Regional Water Quality Control and/or Department of Toxic Substances Control. Please return the enclosed form or its equivalent and payment of the initial 8-hour review by **August 25, 2018.**

If you have any questions regarding this notice, please contact me at (707) 784-6765.

Sincerely,

Courtney A. Osier
Hazardous Materials Specialist

Enclosure: Oversight Agreement Form

BILL EMLEN
Director
(707) 784-6765

TERRY SCHMIDTBAUER
Assistant Director
(707) 784-6765

JAGJINDER SAHOTA
Environmental Health Manager
(707) 784-6765

DEPARTMENT OF RESOURCE MANAGEMENT

SOLANO COUNTY

Environmental Health Division

675 Texas Street, Suite 5500
Fairfield, CA 94533-6342
(707) 784-6765
Fax (707) 784-4805

www.solanocounty.com

Solano County Department of Resource Management
675 Texas Street, Suite 5500
Fairfield, CA 94533
Attention: Courtney A. Osier

RE: Acknowledgement of SCDRM Oversight: Brann Ranch; 7983 State Highway 12, Rio Vista, CA 94571, APN: 0048110490

VOLUNTARY OVERSIGHT AGREEMENT

I understand that I have option of requesting the Department of Toxic Substances Control or the applicable office of the California Regional Water Quality Control Board to perform regulatory oversight of this project. I request the Solano County Department of Resource Management (SCDRM) oversee the site investigation and cleanup work at the above-referenced site. I agree to reimburse SCDRM for fees and expenses for regulatory oversight work conducted according to the current Schedule of Permit Fees established by the Board of Supervisors and revised each fiscal year and am willing to participate in the cost recovery program and pay all subsequent billings in accordance with the terms in your letter and its attachments, and to the extent required by law. I agree to comply with all SCDRM directives. I understand that this is a voluntary agreement and SCDRM reserves the right refer this case to the applicable office of the California Regional Water Quality Control Board and/or Department of Toxic Substances Control. I also understand that signing this form does not constitute any admission of liability, but rather only intent to pay for costs associated with oversight, as set forth above, and to the extent required by law. Billings for payment of oversight costs should be mailed to the following individual and address:

Signed: _____

Printed Name: _____

Company Name: _____

Address: _____

City, State, Zip: _____

Phone Number: _____

Date: _____

E-mail: _____

SAEED IRAVANI
Building Official
Building & Safety

MIKE YANKOVICH
Program Manager
Planning Services

JAG SAHOTA
Manager
Environmental Health

SARAH PAPPAKOSTAS
Senior Staff Analyst
Administrative Services

MATT TUGGLE
Engineering Manager
Public Works Engineering

CHARLES BOWERS
Operations Manager
Public Works Operations

CHRIS DRAKE
Parks Services Manager
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Fairfield, CA 94533-6342
(707) 784-6765
Fax (707) 784-4805

www.solanocounty.com

WEST, BRIAN
630 EUBANKS CRT # G
VACAVILLE CA 95688

INVOICE

INVOICE #.	BILLING ID.	INVOICE DATE	DUE DATE	TERMS
29181007	40269	05/08/2018	06/30/2018	Due on Receipt-Delinquent after Due Date

Initial Review Phase

Pgm	Inv.	Description	Fee Description	Amount
SITE: 700314; BRANN RANCH; 7983 STATE HIGHWAY 12; RIO VISTA CA 94571				
29S		BRANN RANCH	Site Mitigation Hourly Fee 1.00 HOURS @1187.00	1,187.00
				1,187.00

TOTAL DUE $1,187.00

PLEASE MAKE CHECK PAYABLE TO: Solano County, Department of Resource Management

Retain top portion for your records

Return bottom portion with payment and write invoice number on check

WEST, BRIAN
630 EUBANKS CRT # G
VACAVILLE CA 95688
SITE: 700314; BRANN RANCH; 7983 STATE HIGHWAY 12; RIO VISTA CA 94571

PLEASE REMIT PAYMENT TO:

Solano County
Department of Resource Management
675 Texas St., Suite 5500
Fairfield, CA 94533-6341

INVOICE #: 29181007
DUE DATE: 06/30/2018
TOTAL DUE: $1,187.00

BILL EMLEN
Director
(707) 784-6765
TERRY SCHMIDTBAUER
Assistant Director
(707) 784-6765
JAGJINDER SAHOTA
Environmental Health Manager
(707) 784-6765

DEPARTMENT OF RESOURCE MANAGEMENT

SOLANO COUNTY

Environmental Health Division

675 Texas Street, Suite 5500
Fairfield, CA 94533-6342
(707) 784-6765
Fax (707) 784-4805

www.solanocounty.com

September 27, 2018

The Richard Brann Revocable Trust
Attn: Timothy D. Taron
3102 Barberry Lane
Sacramento, CA 95864

RE: Investigation at Brann Ranch; 7983 State Highway 12, Rio Vista, CA 94571, APN: 0048110490, File # 700314

Dear Mr. Taron:

This letter confirms the completion of site investigation for soil at the above site by the Solano County Certified Unified Program Agency (CUPA). Based on the assumption that the information provided to the Solano County CUPA was accurate and representative of existing conditions, it is the position of the Solano County CUPA that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code for past, present, or future operations or any action required by Solano County CUPA. Nor does it relieve you of the responsibility to clean up existing or previously unidentified conditions at the site caused by your company which meet or exceed hazardous waste levels as per CCR Title 22 that pose a threat to public health.

It is the Richard Brann Revocable Trust's responsibility to notify this agency of any changes in report content or future contamination findings at which time further site remediation may be required.

Thank you for your efforts in resolving this matter. Please contact the undersigned at (707) 784-6765, if you require additional assistance.

Sincerely,

Courtney A. Osier
Hazardous Materials Specialist

Cc: West & Associates; 630 Eubanks Ct., Unit G, Vacaville, CA 95688

SAEED TAVANA
Building Official
Building & Safety

MIKE YANKOVICH
Program Manager
Planning Services

JAG SAHOTA
Manager
Environmental Health

SARAH PAPPAKOSTAS
Senior Staff Analyst
Administrative Services

MATT TUGGLE
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Public Works Engineering

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Operations Manager
Public Works Operations

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Parks Services Manager
Parks

ROBERTA GOULART
Water & Natural Resources Program Manager

29-700314-8

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DEPARTMENT OF RESOURCE MANAGEMENT

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Solano County Department of Resource Management
675 Texas Street, Suite 5500
Fairfield, CA 94533
Attention: Courtney A. Osier

RE: Acknowledgement of SCDRM Oversight: Brann Ranch; 7983 State Highway 12, Rio Vista, CA 94571, APN: 0048110490

VOLUNTARY OVERSIGHT AGREEMENT

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Signed:	The Richard Brann Revocable Trust, by [signature], Trustee
Printed Name:	Timothy D. TARON, Trustee
Company Name:	
Address:	3102 BARBERRY LANE
City, State, Zip:	SACRAMENTO, Ca. 95864
Phone Number:	916 - 972 - 7881
Date:	9-23-18
E-mail:	TARON.TIM@GMAIL.COM

Courtney:

RECEIVED
SEP 06
COUNTY OF SOLANO
RESOURCE MANAGEMENT

BRIAN West reminded me that I needed to sign and send this to you. I already paid the fee. Apparently, you will no send me the final closure report?

Thanks
Tim TAYLOR

Work phone #
916 567 7329

29-700314-6

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1804D48

Report Created for: West & Associates

630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Project Contact: Brian West
Project P.O.:
Project: Brann Home Ranch

Project Received: 04/24/2018

Analytical Report reviewed & approved for release on 04/30/2018 by:

Yen Cao

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: West & Associates
Project: Brann Home Ranch
WorkOrder: 1804D48

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	West & Associates	**WorkOrder:**	1804D48
Date Received:	4/24/18 12:30	**Extraction Method:**	SW5030B
Date Prepared:	4/24/18	**Analytical Method:**	SW8021B/8015Bm
Project:	Brann Home Ranch	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Tank Pit East	1804D48-001A	Soil	04/20/2018 11:00	GC19 04251830.D	157088

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	04/26/2018 02:34
MTBE	ND	0.050	1	04/26/2018 02:34
Benzene	ND	0.0050	1	04/26/2018 02:34
Toluene	ND	0.0050	1	04/26/2018 02:34
Ethylbenzene	ND	0.0050	1	04/26/2018 02:34
Xylenes	ND	0.015	1	04/26/2018 02:34

Surrogates	REC (%)	Limits	
2-Fluorotoluene	84	62-126	04/26/2018 02:34

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Tank Pit West	1804D48-002A	Soil	04/20/2018 11:00	GC19 04251839.D	157088

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	04/26/2018 07:04
MTBE	ND	0.050	1	04/26/2018 07:04
Benzene	ND	0.0050	1	04/26/2018 07:04
Toluene	ND	0.0050	1	04/26/2018 07:04
Ethylbenzene	ND	0.0050	1	04/26/2018 07:04
Xylenes	ND	0.015	1	04/26/2018 07:04

Surrogates	REC (%)	Limits	
2-Fluorotoluene	83	62-126	04/26/2018 07:04

Analyst(s): IA

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	West & Associates	**WorkOrder:**	1804D48
Date Prepared:	4/24/18	**BatchID:**	157088
Date Analyzed:	4/24/18	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Brann Home Ranch	**Sample ID:**	MB/LCS-157088 1804D69-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	1.0	-	-	-
MTBE	ND	0.050	-	-	-
Benzene	ND	0.0050	-	-	-
Toluene	ND	0.0050	-	-	-
Ethylbenzene	ND	0.0050	-	-	-
Xylenes	ND	0.015	-	-	-
Surrogate Recovery					
2-Fluorotoluene	0.0935		0.10	94	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.631	-	0.60	105	-	82-118	-	-
MTBE	0.0986	-	0.10	99	-	61-119	-	-
Benzene	0.108	-	0.10	108	-	77-128	-	-
Toluene	0.106	-	0.10	106	-	74-132	-	-
Ethylbenzene	0.108	-	0.10	108	-	84-127	-	-
Xylenes	0.326	-	0.30	109	-	86-129	-	-
Surrogate Recovery								
2-Fluorotoluene	0.0917	-	0.10	92	-	75-134	-	-

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	NR	NR		ND	NR	NR	-	NR	-
MTBE	NR	NR		ND	NR	NR	-	NR	-
Benzene	NR	NR		0.043	NR	NR	-	NR	-
Toluene	NR	NR		0.023	NR	NR	-	NR	-
Ethylbenzene	NR	NR		0.0078	NR	NR	-	NR	-
Xylenes	NR	NR		0.036	NR	NR	-	NR	-
Surrogate Recovery									
2-Fluorotoluene	NR	NR			NR	NR	-	NR	-

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1804D48 **ClientCode: WAA**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Brian West
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688
(707) 688-4404 FAX: (707) 447-0631

Email: bjacobsen@astound.net; brian@westengin
cc/3rd Party:
PO:
Project: Brann Home Ranch

Bill to:
Accounts Payable
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Requested TAT: 5 days;
Date Received: 04/24/2018
Date Logged: 04/24/2018

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1804D48-001	Tank Pit East	Soil	4/20/2018 11:00	☐	A											
1804D48-002	Tank Pit West	Soil	4/20/2018 11:00	☐	A											

Test Legend:

1	G-MBTEX_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: WEST & ASSOCIATES
Client Contact: Brian West
Contact's Email: bjacobsen@astound.net; brian@westengineers.com;dganzer@westengineers.com

Project: Brann Home Ranch
Comments:

Work Order: 1804D48
QC Level: LEVEL 2
Date Logged: 4/24/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1804D48-001A	Tank Pit East	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/20/2018 11:00	5 days		☐	
1804D48-002A	Tank Pit West	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x3"	☐	4/20/2018 11:00	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1804D48

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Brian West Bill To: Same
Company: West & Associates Environmental Engineers, Inc.
Email: brian@westengineers.com
Alt Email: Tele: 707-761-2307
Project Name: Brann Home Ranch Project #:
Project Location: 7983 Highway 12, Rio Vista PO #
Sampler Signature: Brian

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis				
Tank Pit East	4/20/18	11:00a	1	soil	cold	●																		
Tank Pit West	4/20/18	11:00a	1	soil	cold	●																		

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instruc

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Brian West	4/24/18	10:45	PTS	4/24/18	1045
PTS	4/24/18	1230	[signature]	4/24/18	1230

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials

Page

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"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**West & Associates**	Date and Time Received	**4/24/2018 12:30**
Project:	**Brann Home Ranch**	Date Logged:	**4/24/2018**
		Received by:	Agustina Venegas
WorkOrder №:	**1804D48** Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	Patrick Johnson (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☐	No ☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
	(Ice Type: WET ICE)		
Sample/Temp Blank temperature	Temp: 5.1°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
UCMR Samples:			
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes ☐	No ☐	NA ☑

Comments:

PROGRAM # 295

SITE # (700314)

BILLING INFORMATION / SITE CHANGES

☒ New Site ☐ T Status ☐ Activate Site ☐ Inactive Site ☐ Transfer of Ownership ☐ New Site Name
☑ Update Info/Other Invoice see billing form

PLEASE ATTACH INVENTORY INFORMATION

SITE INFORMATION

Site Name Brann Ranch Name Type

Address ID or New Address 7983 State Hwy 12

City Rio Vista Zip Code 94571 Site Phone #

Site Type Business Desc

Location APN 0048-110-490 Site Fee Code (If Applicable)

EMERGENCY INFORMATION

Primary Contact Name Brian West Title Engineer

Phone # 707 761 2307 24hr Phone # " Pager #

Secondary Contact Name Title

Phone # 24hr Phone # Pager #

OWNER INFORMATION

Address ID or New Owner Taron Timothy DTR

Owner(s) Mailing Address (If different than site) 3102 Barberry lane

City Sacramento State CA Zip Code 95864 Owner Phone #

BILLING INFORMATION

Address ID or New Billing Brian West

Billing Mailing Address (If different than owner) 1630 Eubanks Ct., Ste G

City Vacaville State CA Zip Code 95688 Billing Phone # 707 761 2307

COMMENTS 8hrs. then hourly rate., see billing form

PAYMENT INFORMATION

Annual Permit Fee $ Plan Check Fee $ Receipt # Date

Staff Signature Date 4/27/18

Supervisor Approval Date 4/27/18

(NOTE: Do not process without Supervisor's approval)

Date MFR Changes Made 5/2/18 By CP

Date Billing Changes Made 7/8/18 By ✓ Invoice ✓ 7/8/18.

HAZMAT INVENTORY INFORMATION **SITE #** (700314)

PLEASE ATTACH INVENTORY INFORMATION

PROGRAM 21M ☐ 22W&T ☐ – HAZ MAT/HAZ WASTE

Inventory

☐ Activate/Add Inv Inventory Type _____ Inv Number/Numbers _____

☐ Inactivate Inv Inventory Type _____ Inv Number/Numbers _____

☐ Modify Inv Inventory Type _____ Inv Number/Numbers _____

Business Plan Information

Plan Attached ☐ Reviewed ___/___/___ Date Business Plan Filed ___/___/___ Date Changed ___/___/___

☐ Enter Emergency Numbers Only ☐ Change All Highlighted Areas

Inventory Changes: ☐ Add ☐ Modify ☐ Inactivate **ROUTE TO THE APPROPRIATE FIRE DEPARTMENT/DISTRICT**

☐ CITY OF BENICIA FIRE ☐ CITY OF FAIRFIELD ☐ CITY OF DIXON/DIXON FIRE DISTRICT

☐ CITY OF SUISUN FIRE ☐ CITY OF RIO VISTA FIRE ☐ SUISUN FIRE PROTECTION DISTRICT

☐ CITY OF VALLEJO/EAST VALLEJO FIRE PROTECTION DISTRICT ☐ MONTEZUMA FIRE DISTRICT

(INCLUDES RYER ISLAND) ☐ VACA-ELMIRA FIRE DISTRICT ☐ CITY OF VACAVILLE FIRE

PROGRAMS 23A APSA ☐ 23U – UGST ☐

PROGRAMS 41G ☐ & 41V ☐ – WASTE TIRE

☐ Activate/Add Inv Inventory Type _____ Inv Number/Numbers _____

☐ Inactivate Inv Inventory Type _____ Inv Number/Numbers _____

☐ Modify Inv Inventory Type _____ Inv Number/Numbers _____

Financial Resp: ☐ Self Insured ☐ Guarantee ☐ Insurance ☐ Surety Bond ☐ Credit Ltr ☐ Exemption ☐ Other _____

Owner (Opt)

Tank Owner Name/Add ID _____

Care-Of _____

Address _____ Suite _____

City _____ State _____ Zip Code _____

Phone _____ Ext _____ Fax _____

Comments: _____

PROGRAM 29 - LOP

☒ Activate/Add Inv Inventory Type 145 Inv Number/Numbers 1

☐ Inactivate Inv Inventory Type _____ Inv Number/Numbers _____

☐ Modify Inv Inventory Type _____ Inv Number/Numbers _____

Owner (Opt)

Responsible Party _____

Care-Of _____

Address _____ Suite _____

City _____ State _____ Zip Code _____

Phone _____ Ext _____ Fax _____

Comments: see billing form

File # (700314)

SOLANO COUNTY ENVIRONMENTAL HEALTH DIVISON
Hazmat Section
Fiscal Year 17/18 Billing Form

Facility Name Brann Ranch

Address 7983 State Highway 12, Rio Vista, CA 94571

Billing Owner/Applicant C/O: Brian West

Address 630 Eubanks Ct., Ste G, Vacaville, CA 95688

REINSPECTION FEE

☐ Re-inspection Fee $258.00 (for re-inspections after the first re-inspection)

SITE MITIGATION BILLINGS AT HOURLY RATE

☒ Initial Review Phase I/II (Up to 8 hours) $1,187

☐ Contaminated Site Investigation/Remedial Action (Up to 16 hours) $2,374

☐ Other: Time spent _____

Total Time _____ x $148.00/hr = Total fee $_____

4/27/18
DATE

HAZARDOUS MATERIAL SPECIALIST

HAZARDOUS MATERIAL SUPERVISOR

T:\ENVHLTH\ HAZMAT\Billing Form.doc

NP29

Program 29S

PROGRAM # 295 SITE # 700314

BILLING INFORMATION / SITE CHANGES

☐ New Site ☐ T Status ☐ Activate Site ☒ Inactive Site ☐ Transfer of Ownership ☐ New Site Name
☐ Update Info/Other _____

PLEASE ATTACH INVENTORY INFORMATION

SITE INFORMATION

Site Name Brann Ranch Name Type _____
Address ID or New Address 7983 State Hwy 12
City RN Zip Code _____ Site Phone # _____
Site Type _____ Business Desc _____
Location _____ APN _____ Site Fee Code (If Applicable) Remove, if any

EMERGENCY INFORMATION stop all billing

Primary Contact Name _____ Title _____
Phone # _____ 24hr Phone # _____ Pager # _____
Secondary Contact Name _____ Title _____
Phone # _____ 24hr Phone # _____ Pager # _____

OWNER INFORMATION

Address ID or New Owner _____
Owner(s) Mailing Address (If different than site) _____
City _____ State _____ Zip Code _____ Owner Phone # _____

BILLING INFORMATION

Address ID or New Billing _____
Billing Mailing Address (If different than owner) _____
City _____ State _____ Zip Code _____ Billing Phone # _____
COMMENTS Investigation of former tank pit. Report on file.

PAYMENT INFORMATION

Annual Permit Fee $ _____ Plan Check Fee $ _____ Receipt # _____ Date _____
Staff Signature Cashier Date 11/26/18
Supervisor Approval _____ Date 11/29/18

(NOTE: Do not process without Supervisor's approval)

Date MFR Changes Made 11/29/18 By _____
Date Billing Changes Made 11/30/18 By _____

HAZMAT INVENTORY INFORMATION SITE # 700314

PLEASE ATTACH INVENTORY INFORMATION

PROGRAM 21M ☒ 22W&T ☐ – HAZ MAT/HAZ WASTE

Inventory

☐ Activate/Add Inv Inventory Type _____ Inv Number/Numbers _____

☒ Inactivate Inv Inventory Type 145 Inv Number/Numbers 1

☐ Modify Inv Inventory Type _____ Inv Number/Numbers _____

Business Plan Information

Plan Attached ☐ Reviewed ___/___/___ Date Business Plan Filed ___/___/___ Date Changed ___/___/___

☐ Enter Emergency Numbers Only ☐ Change All Highlighted Areas

Inventory Changes: ☐ Add ☐ Modify ☐ Inactivate **ROUTE TO THE APPROPRIATE FIRE DEPARTMENT/DISTRICT**

☐ CITY OF BENICIA FIRE ☐ CITY OF FAIRFIELD ☐ CITY OF DIXON/DIXON FIRE DISTRICT

☐ CITY OF SUISUN FIRE ☐ CITY OF RIO VISTA FIRE ☐ SUISUN FIRE PROTECTION DISTRICT

☐ CITY OF VALLEJO/EAST VALLEJO FIRE PROTECTION DISTRICT ☐ MONTEZUMA FIRE DISTRICT

(INCLUDES RYER ISLAND) ☐ VACA-ELMIRA FIRE DISTRICT ☐ CITY OF VACAVILLE FIRE

PROGRAMS 23A APSA ☐ 23U – UGST ☐

PROGRAMS 41G ☐ & 41V ☐ – WASTE TIRE

☐ Activate/Add Inv Inventory Type _____ Inv Number/Numbers 11-19-18-cm

☐ Inactivate Inv Inventory Type _____ Inv Number/Numbers _____

☐ Modify Inv Inventory Type _____ Inv Number/Numbers _____

Financial Resp: ☐ Self Insured ☐ Guarantee ☐ Insurance ☐ Surety Bond ☐ Credit Ltr ☐ Exemption ☐ Other _____

Owner (Opt)

Tank Owner Name/Add ID _____

Care-Of _____

Address _____ Suite _____

City _____ State _____ Zip Code _____

Phone _____ Ext _____ Fax _____

Comments: _____

PROGRAM 29 - LOP

☐ Activate/Add Inv Inventory Type _____ Inv Number/Numbers _____

☐ Inactivate Inv Inventory Type _____ Inv Number/Numbers _____

☐ Modify Inv Inventory Type _____ Inv Number/Numbers _____

Owner (Opt)

Responsible Party _____

Care-Of _____

Address _____ Suite _____

City _____ State _____ Zip Code _____

Phone _____ Ext _____ Fax _____

Comments: _____

UNDERGROUND TANK PROGRAM OFFICIAL INSPECTION REPORT

SOLANO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH MANAGEMENT

COUNTY NAME | 601 TEXAS ST | FAIRFIELD CA 94533-6301 | COUNTY # 48

SITE NAME: Brann | INSPECTION DATE: 3-19-93

SITE ADDRESS: 7989 Hwy 12 | CITY/STATE/ZIP RV

CHANGES SITE/OWNER/PERMIT? YES / NO
FORM A AND/OR B SUBMITTED? _____

TYPE OF INSPECTION: Initial | SITE COMPUTER #: 80 271

	TANK COMPUTER NUMBER / PER # / EXP. DATE	TANK COMPUTER NUMBER / PER # / EXP. DATE	TANK COMPUTER NUMBER / PER # / EXP. DATE	TANK COMPUTER NUMBER / PER # / EXP. DATE
OPERATIONAL TANK				
PERMIT TO OPERATE (1, 2)				
CHANGE IN CONDITIONS TO OPERATE (3, 4)				
APPROVED CONSTRUCTION (5, 6)	one 57.11	300 gallon exist.	steel ~~gren~~ removed	
WRITTEN MONITORING PROCEDURES (7, 8)				
APPROVED MONITORING SYSTEM (9, 10)				
MONITORING SYSTEM (11, 12)			installed	
APPROVED MONITOR FREQUENCY (13, 14)	one 300 gallon		~~removed~~	1960
MONITORING RECORDS MAINTAINED (15, 16)				
ACCESS CASING SECURED (17, 18)				
PIPING (19, 20)	one 1400	reg gas	removed 1983	
INVENTORY RECONCILIATION (21, 22)				
TANK GAUGING (23, 24)	owner will send letter verifying			
APPROVED RESPONSE PLAN (25, 26)				
UNAUTHORIZED RELEASE OCCURRENCE (27, 28)	STatus			
SAMPLING (29, 30)				
APPROVED TANK REPAIRS (31, 32)	4-21-93	the 300	gallon UST	
UNAUTHORIZED RELEASES REPORTED (33, 34)				
SAFETY HAZARD (35, 36)	removed	and inspected this	date	
CONDITIONS ABATED (37)				
TEMPORARY TANK CLOSURE				
REMOVAL OF RESIDUAL (38, 39)	no holes	seen. No	contamination see	
FLAMMABLE VAPORS REMOVED (40)				
ACCESS LOCATIONS SEALED (41, 42)				
POWER DISCONNECTED (43)				
OWNER/OPERATOR MONITORING (44, 45)				
PERMANENT TANK CLOSURE				
REMOVAL OF RESIDUAL MATERIALS (46, 47)				
PIPING (48, 49)				
FLAMMABLE VAPORS REMOVED (50)				
UNAUTHORIZED RELEASE (51, 52)				
SAMPLING (53, 54)				
IMPROPER ABANDONMENT (55, 56)				

SYSTEM STATUS (MUST MARK ONE)

MAJOR VIOL. 57 ☐ MINOR VIOL. 58 ☐ NO VIOL. 59 ☐

THE MARKED ITEMS REPRESENT VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS: _____

OFFICE:

INSP: [signature]

TITLE: SEHS

RECEIVED BY:

PHONE:

RECK:

UNDERGROUND TANK PROGRAM OFFICIAL INSPECTION REPORT

SOLANO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH MANAGEMENT

COUNTY NAME | **601 TEXAS ST** | **FAIRFIELD CA 94533-6301** | **COUNTY #** 48

SITE NAME: Brans | INSPECTION DATE: 4-21-93

SITE ADDRESS: 7989 Hwy 12 | CITY/STATE/ZIP RV

CHANGES SITE/OWNER/PERMIT? YES NO
FORM A AND/OR B SUBMITTED?

TYPE OF INSPECTION: ~~Routine~~ Followup | SITE COMPUTER #: 80271

OPERATIONAL TANK	TANK CONTENTS MAJOR	TANK CONTENTS MINOR	TANK COMPUTER NUMBER / PER # / EXP. DATE	TANK COMPUTER NUMBER / PER # / EXP. DATE	TANK COMPUTER NUMBER / PER # / EXP. DATE	TANK COMPUTER NUMBER / PER # / EXP. DATE
PERMIT TO OPERATE	1	2				
CHANGE IN CONDITIONS TO OPERATE	3	4	on 3-19-93 I	talked to	you	
APPROVED CONSTRUCTION	5	6				
WRITTEN MONITORING PROCEDURES	7	8	regarding	Underground	fuel	tanks
APPROVED MONITORING SYSTEM	9	10				
MONITORING SYSTEM	11	12	at this	site. at	this time	I
APPROVED MONITOR FREQUENCY	13	14				
MONITORING RECORDS MAINTAINED	15	16	requested	a letter	confirming	the
ACCESS CASING SECURED	17	18				
PIPING	19	20	status	of these	underground	fuel
INVENTORY RECONCILIATION	21	22				
TANK GAUGING	23	24	tanks. as	of this date	I have	not
APPROVED RESPONSE PLAN	25	26				
UNAUTHORIZED RELEASE OCCURRENCE	27	28	received	this letter.	Within	14 days
SAMPLING	29	30				
APPROVED TANK REPAIRS	31	32	submit in	writing	the status	of
UNAUTHORIZED RELEASES REPORTED	33	34				
SAFETY HAZARD	35	36	your 3	underground	fuel	tanks
CONDITIONS ABATED		37				
TEMPORARY TANK CLOSURE						
REMOVAL OF RESIDUAL	38	39	at this site.			
FLAMMABLE VAPORS REMOVED	40					
ACCESS LOCATIONS SEALED	41	42	If an	underground	fuel tank	still
POWER DISCONNECTED		43				
OWNER/OPERATOR MONITORING	44	45	exists here	this county	recommends	
PERMANENT TANK CLOSURE						
REMOVAL OF RESIDUAL MATERIALS	46	47	removal	as soon	as possable.	No
PIPING	48	49				
FLAMMABLE VAPORS REMOVED	50		permits are	required at	present	but this
UNAUTHORIZED RELEASE	51	52				
SAMPLING	53	54	may change	at some	point in	the near
IMPROPER ABANDONMENT	55	56	future.			

SYSTEM STATUS (MUST MARK ONE)

MAJOR VIOL. 57 ☐ MINOR VIOL. 58 ☐ NO VIOL 59 ☐

THE MARKED ITEMS REPRESENT VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS:

OFFICE:

INSP: [signature]

TITLE: SEHS

RECEIVED BY: William A Brans

PHONE:

RECK:

HUT-3 ORIGINAL 5/88

Date Received: _____

HAZARDOUS MATERIALS
BILLING INFORMATION/SITE CHANGES

REQUESTED CHANGE

_____ New Facility _____ Transfer of Ownership _____ New Name ___/___ Facility Closed _____ Update Info.

Other or MFR Comments

Inactivate tanks & site

REQUIRED INFORMATION

Program # 23 Computer # 80271 Element Code 92 Sup/Dist ~~3034~~ 3038 Location 80

Facility Name Barn Bros

Address(situs) 7989 State St

City RV Zip Code 95571 Phone # _____

Pgm 21 or 23 Emergency Contact _____ Phone# _____

Property Owner(F1) _____

Billing Name(s) (if different than situs)(F1) _____

Billing Address (if different than situs)(F1) _____

City _____ State _____ Zip Code _____ Phone # _____

NAME/OWNERSHIP CHANGE (Note: list new information above)

Previous Name of Facility _____

Previous Name(s) of Owner(s) _____

PROGRAM DEPENDANT INFORMATION

Pgm 21: Modify(M), add(A), or inactivate(I) materials as noted on inventory Inactivate Existing tanks

Date Plan Filed/Update _____ Inventory Attached (Y/N) _____

Material Owner(s) Name(s)(F9) _____

Mailing Address (if different than above) _____

Pgm 23: Precision test (date) _____ Tank Nos(p/f/inc) _____ _____ _____ _____ _____

A, B and/or C forms must be attached for new or changes to UST's

ADDITIONAL INFORMATION

Annual Fee _____ Date: Opening/Transfer/Closure _____ Precision Test Date _____

Tank Nos. (P/f/inc) _____ _____ _____

_____

Sr. Env. Health Specialist _____ Date 4/5/01

Supervisor Approval _____ Date 4-6-01

****

Date MFR Changes Made 4/9/01 By OB

Date Billing Changes Made 4/10/01 By S

T:\TEMPLATE\ENVHLTH\HAZMAT\PG21BILL.FRM

JOSEPH C SMITH

CIVIL ENGINEER

15 GREEN VALLEY ESTATES
SUISUN CITY, CALIFORNIA
425-9020 425-7774

PERCOLATION TEST

July 18, 1972

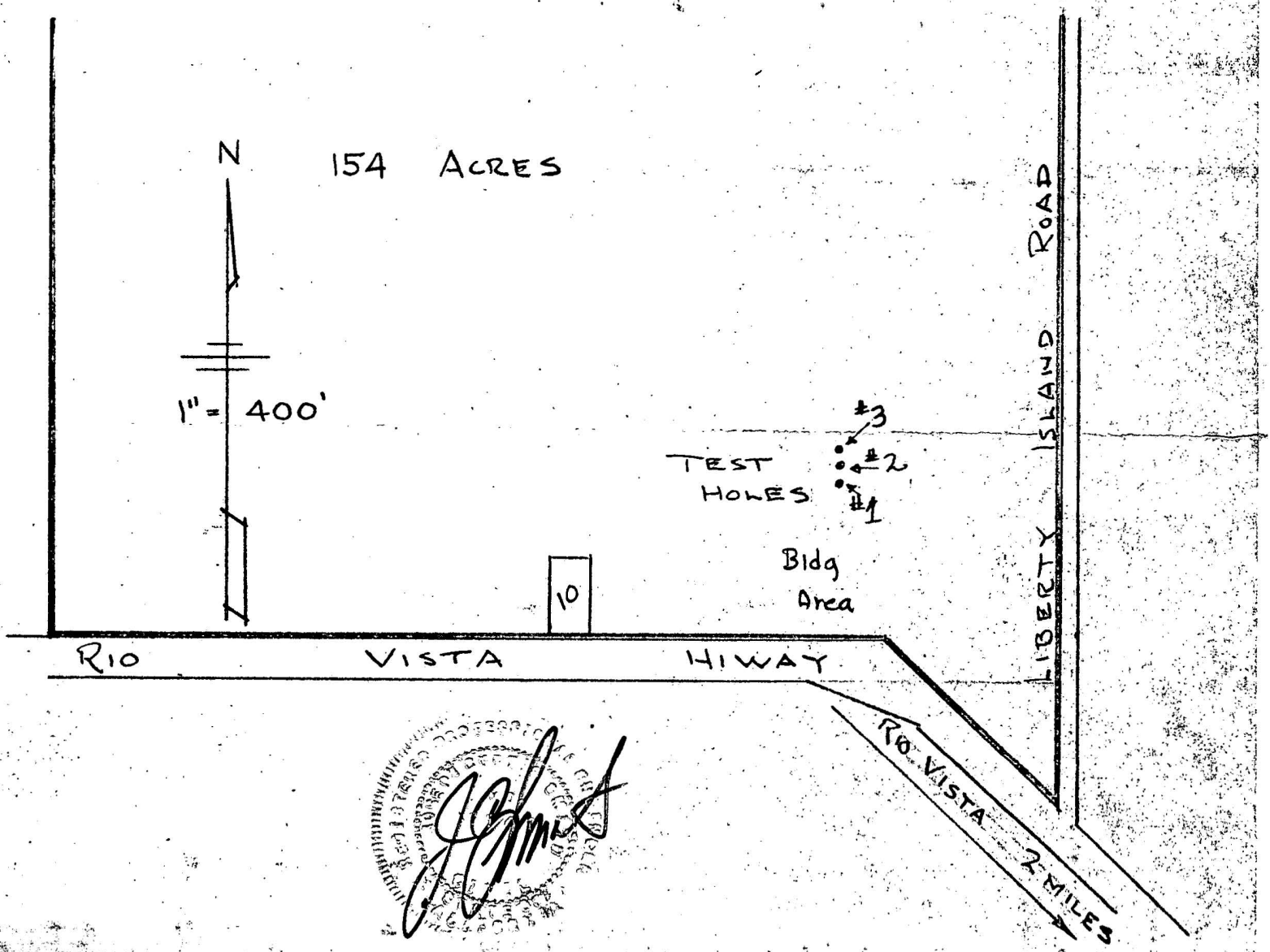
APPLICANT: Wm. A. Brann ADDRESS: Star Route Box 305 B Rio Vista, California 94571 PHONE: 374-5191 374-6623

PARCEL NO: 48-110-09 STREET: Rio Vista Highway

PERCOLATION RATE AVG: 0.50 in/hr SOILS: Montezuma Clay Adobe

PERCOLATION RATE HOLE #1 0.40 HOLE #2 0.40 HOLE #3 0.70 in/hr

RECOMMENDATION: Percolation is only fair. Trenches should be wide and shallow to promote transpiration as well as percolation.



County file

APPLICATION FOR PERMIT TO CONSTRUCT AND OPERATE A PRIVATE SEWER DISPOSAL SYSTEM

Owner's Name Brann Bros Contractor Self

Mailing Address Star Rt. Box 305B Street Mailing Address Street

Rio Vista

Phone Number 374 5191 Phone Number

374. 6623 Bus.

PROPERTY LOCATION:

Georgraphical Area Rio Vista Subdivision

Lot Number Block Number Street Rio Vista Hiway 12

Between Liberty Island Rd ~~Street~~ and Acevedo St., on North Side of St.

SEPTIC TANK:

Material 1200 gal. Precast Concrete Dimensions: Length Width Depth

DISPOSAL OF EFFLUENT:

Method Leach Line Type & Depth of Soil Montezuma Hills Adobe

Topography Flat Subject of Flooding No

Leaching Trench: Distribution Box Yes -

Total Length of Working Trench 400 Ft. Width of Trench 36 Inch

Other Method: Dimensions:

GENERAL INFORMATION:

Lot Area 10 Ac. + + 150 Additional Sq. Feet Water Supply Existing Well

Area Available for Leaching Adequate Square Feet

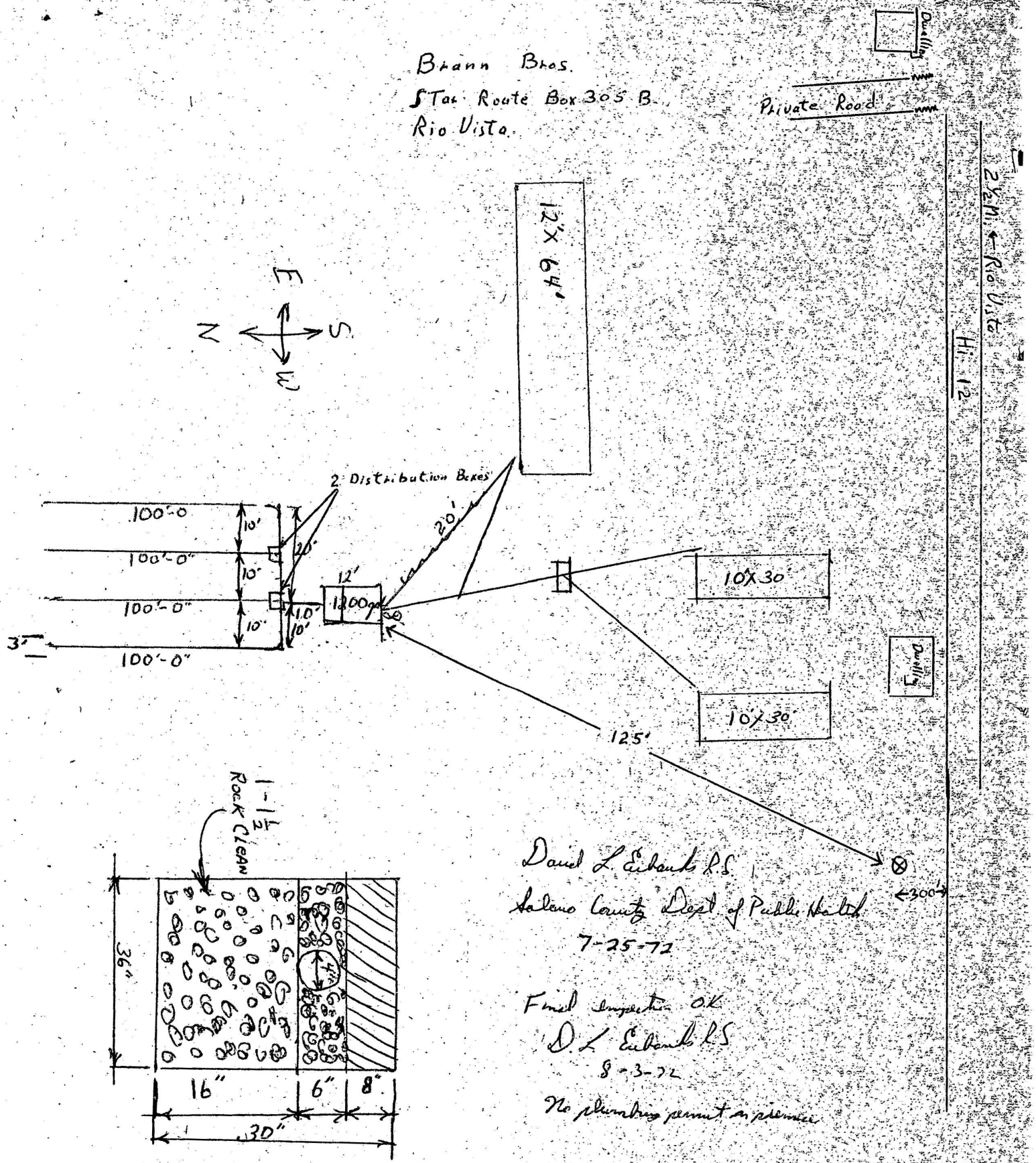
Natural Hazards Poor Soil

Percolation Test 5 min/in. Min/Inches Number of ~~Bedrooms~~ 1 Mobile home - 2 Travel Trailers

Number of Fixtures ~~3~~ Trailers - Special Fixtures

Date 2-25-72 Signed: Wm A Brann

Braun Bros.
5 Tar Route Box 305 B.
Rio Vista.



David L Eubanks R.S.
Solano County Dept of Public Health
7-25-72

Final inspection OK
D. L Eubanks R.S
8-3-72
No plumbing permit in file

BILL EMLEN
Director
(707) 784-6765
TERRY SCHMIDTBAUER
Assistant Director
(707) 784-6765
JAGJINDER SAHOTA
Environmental Health Manager
(707) 784-6765

DEPARTMENT OF RESOURCE MANAGEMENT

SOLANO COUNTY

Environmental Health Division

675 Texas Street, Suite 5500
Fairfield, CA 94533-6342
(707) 784-6765
Fax (707) 784-4805

www.solanocounty.com

September 27, 2018

The Richard Brann Revocable Trust
Attn: Timothy D. Taron
3102 Barberry Lane
Sacramento, CA 95864

RE: Investigation at Brann Ranch; 7983 State Highway 12, Rio Vista, CA 94571, APN: 0048110490, File # 700314

Dear Mr. Taron:

This letter confirms the completion of site investigation for soil at the above site by the Solano County Certified Unified Program Agency (CUPA). Based on the assumption that the information provided to the Solano County CUPA was accurate and representative of existing conditions, it is the position of the Solano County CUPA that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code for past, present, or future operations or any action required by Solano County CUPA. Nor does it relieve you of the responsibility to clean up existing or previously unidentified conditions at the site caused by your company which meet or exceed hazardous waste levels as per CCR Title 22 that pose a threat to public health.

It is the Richard Brann Revocable Trust's responsibility to notify this agency of any changes in report content or future contamination findings at which time further site remediation may be required.

Thank you for your efforts in resolving this matter. Please contact the undersigned at (707) 784-6765, if you require additional assistance.

Sincerely,

Courtney A. Osier
Hazardous Materials Specialist

Cc: West & Associates; 630 Eubanks Ct., Unit G, Vacaville, CA 95688

SAEED IRAVANI
Building Official
Building & Safety

MIKE YANKOVICH
Program Manager
Planning Services

JAG SAHOTA
Manager
Environmental Health

SARAH PAPPAKOSTAS
Senior Staff Analyst
Administrative Services

MATT TUGGLE
Engineering Manager
Public Works Engineering

CHARLES BOWERS
Operations Manager
Public Works Operations

CHRIS DRAKE
Parks Services Manager
Parks

ROBERTA GOULART
Water & Natural Resources Program Manager

WEST ASSOCIATES
ENVIRONMENTAL ENGINEERS, INC.

July 18, 2018

Mr. Tim Taron, Trustee
The Richard Brann Revocable Trust

SUBJECT: REPORT OF FINDINGS
BIG SHOP FLOOR REMEDIATION – BRANN RANCH
7983 STATE HIGHWAY 12, RIO VISTA CALIFORNIA

Dear Mr. Taron:

West & Associates Environmental Engineers, Inc. is please to submit this Report of Findings describing our investigation of the "Big Shop" dirt floor at the Brann Ranch, 7983 State Highway 12 in Rio Vista.

Background

The Big Shop is a 12,000 square foot barn located on the Brann Ranch property. The Big Shop was historically used for farm equipment storage and maintenance. The westerly half of the Big Shop floor, where maintenance occurred, is concrete paved. The easterly half, where equipment was parked, is unpaved dirt.

Besides farm equipment parking, we understand that historically agricultural chemicals were formerly stored in the northwest corner of the Big Shop and that POL (i.e. petroleum, oil, lubricant) products were stored in the southwest corner of the Big Shop. We have been informed that neither agricultural chemicals or POL products have been stored in the Big Shop recently and none were observed during an inspection we conducted on April 13, 2018.

Inspection and Soil Testing

As mentioned above, I personally inspected the Big Shop on April 13, 2018. The dirt floor in the southeast corner was visibly stained with oil and a petroleum odor was apparent. In the northeast corner white granules were visible mixed with surface soil, however no odor was noticed.

Representative surface soil samples were collected from both the northeast and southeast Big Shop floor areas. Two surface soil samples, labeled P-1 & P-2 were collected from the northeast corner and three soil samples, labeled TPH-1, TPH-2 and TPH-3 were collected from the southeast corner. The collection locations of all shallow floor soil samples is illustrated on *Plate 1*.

All five Big Shop Floor soil samples were submitted McCampbell Analytical in Pittsburg for testing. McCampbell Labs is State certified for the chemical analyses performed. The northeast corner floor soil samples were tested for chlorinated pesticides. The southeast corner floor soil samples were tested for petroleum hydrocarbons.

Test results are summarized in *Table 1*. The now banned pesticide DDT was detected in floor soil sample P-1 at 16 parts per million (ppm). The State of California hazardous waste threshold for DDT is 1 ppm.

Table 1
Big Shop Floor
SOIL SAMPLE TEST RESULTS

Northeast Corner

Sample ID P-1	Sample ID P-2
16 ppm DDT	0.94 ppm DDT

Southeast Corner

	Sample ID		
	TPH-1	TPH-2	TPH-3
TPH-d	4,000 ppm	5,400 ppm	2,700 ppm
TPH-o	24,000 ppm	37,000 ppm	16,000 ppm

Notes:

TPH-d: Total Petroleum Hydrocarbons – diesel
TPH-o: Total Petroleum Hydrocarbons – oil
ppm: Parts per million

Elevated concentrations of petroleum hydrocarbons were reported in all three southeast corner soil samples. The hazardous waste threshold for TPH is 10,000 ppm.

A copy of McCampbell Analytical Report No. 1804961 is attached to this Report.

Contaminated Soil Remediation

Our April 2018 soil testing activity identified objectionable concentrations of pesticides and petroleum hydrocarbons in the Big Shop dirt floor. Consequently, the property owners decided to remediate the contamination by excavation for offsite disposal.

The contaminated soil excavation project was conducted by the property owners using their own equipment. The activity was observed by the author of this Report, Brian W. West PE, a California licensed civil engineer.

Excavation of contaminated soil was conducted on June 19, 2018 and July 8, 2018. Excavated soil was moved to a secure stockpile area immediately south of the Big Shop. Approximately 3 cubic yards of surface soil was removed from the southeast corner and 5 cubic yards from the northeast corner.

At the conclusion of the soil excavation exercise, an inspection revealed no visible trace of POL or pesticide residue contamination present on the Big Shop floor.

Verification Soil Sampling

In order to verify the complete removal of contaminated soil from the Big Shop floor, post excavation soil samples were collected from both the northeast and southeast corners.

Each verification soil sample was a four point composite. Surface soil was collected from four random points in each corner as indicated on *Plate 2*. The samples were composited to create one sample for laboratory analysis.

The sample set was submitted to McCampbell Analytical in Pittsburg for chemical analysis. McCampbell was directed to test the northeast corner soil sample for pesticide residues and the southeast corner sample for diesel fuel, motor oil and lubricating oil.

Verification soil sample test results are summarized in *Table 2*. A copy of McCampbell Analytical Report No. 1806B13 and No. 1807356 is attached to this Report.

Table 2
Big Shop Floor
VERIFICATION SOIL SAMPLING ANALYTICAL RESULTS

Northeast Corner

Sample ID	Test Result
NE Corner of Floor	DDT: 0.57 ppm

Southeast Corner

Sample ID	Test Result
Barn Floor SE	TPH: <50 ppm

Notes:

TPH: Total Petroleum Hydrocarbons
<50: Less than 50 ppm, i.e. non-detect
ppm: Parts per million

The verification soil sampling exercise confirmed that all objectionable soil had been effectively removed from the Big Shop Floor.

Contaminated Soil Disposal

All excavated soil was placed on visqueen sheeting south of the Big Shop. Representative composite soil samples were collected from the soil stockpile. Stockpile analytical results were submitted to Recology with a request for disposal acceptance at the Hay Road landfill. All contaminated soil was transported off site to proper landfill disposal.

Summary

The Big Shop was formerly used to store pesticides and POL products. Over the years, spillage and/or leakage resulted in objectionable concentrations of shallow soil contamination. In June and July 2018 the objectionable soil was excavated from the Big Shop floor for offsite disposal. Post excavation soil sampling confirmed the effective removal of contaminated soil.

No additional investigation, testing or remediation is recommended.

Please contact me at 707-761-2307 or brian@westengineers.com for any additional information you may need.

Yours truly,

Brian W. West

Brian W. West PE
California RCE 32319 (exp 12/31/18)

BWW/dg

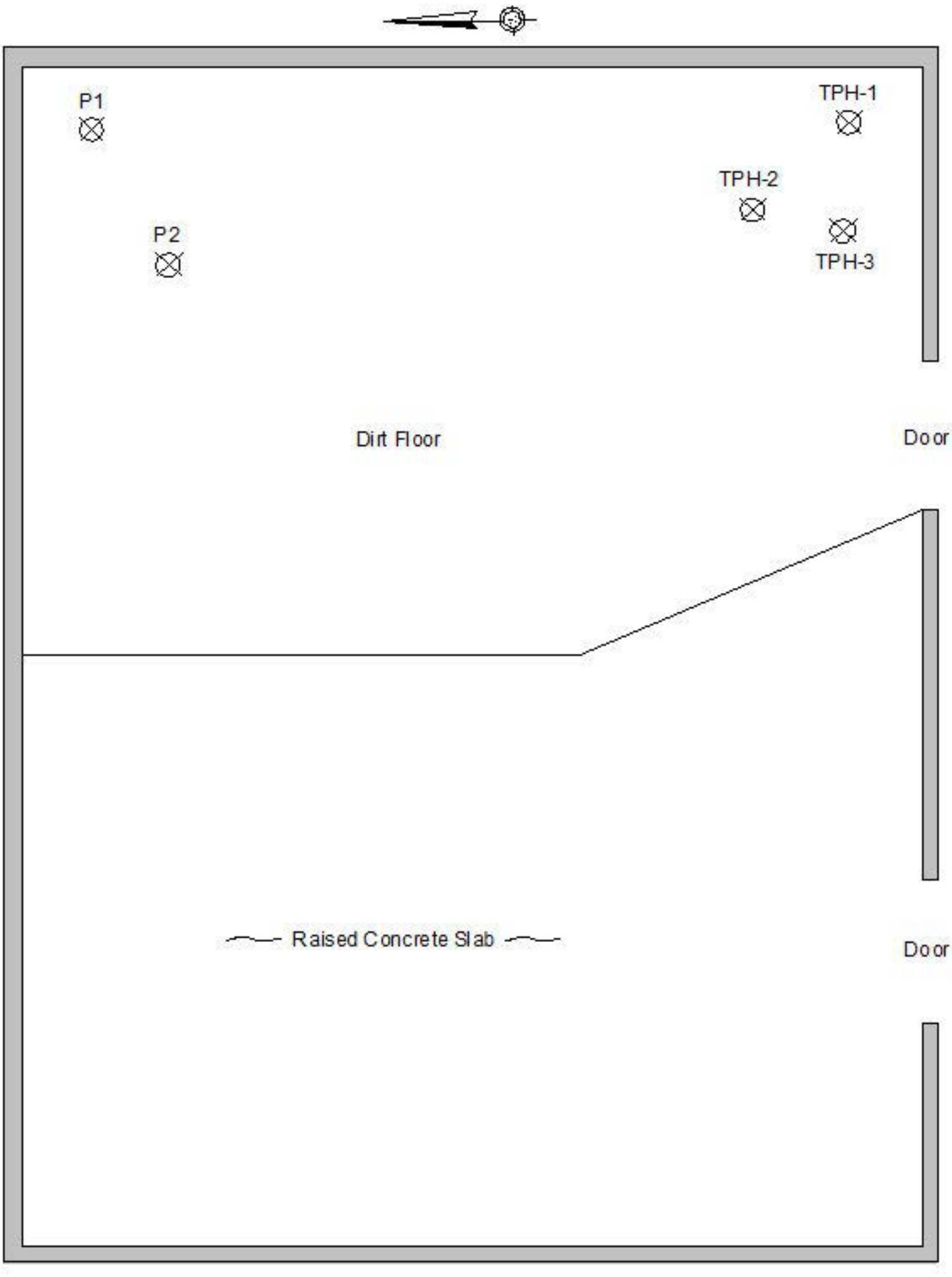
Attachments: Plate 1 - Plan View of Big Shop Floor With Soil Sample Collection Locations
Plate 2 - Verification Soil Sample Collection Locations
McCampbell Analytical Reports #1804961, #180B613 & #1807356

WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS
PO Box 5891, Vacaville, CA 95696

Project Name: Brann Ranch	**Date:** July 2018
Location: 7983 State Highway 12, Rio Vista	
Drawing By: DLG	**Scale:** No Scale

Legend
⊗ Soil Sample Collection Location

PLATE 1
Big Barn Plan View



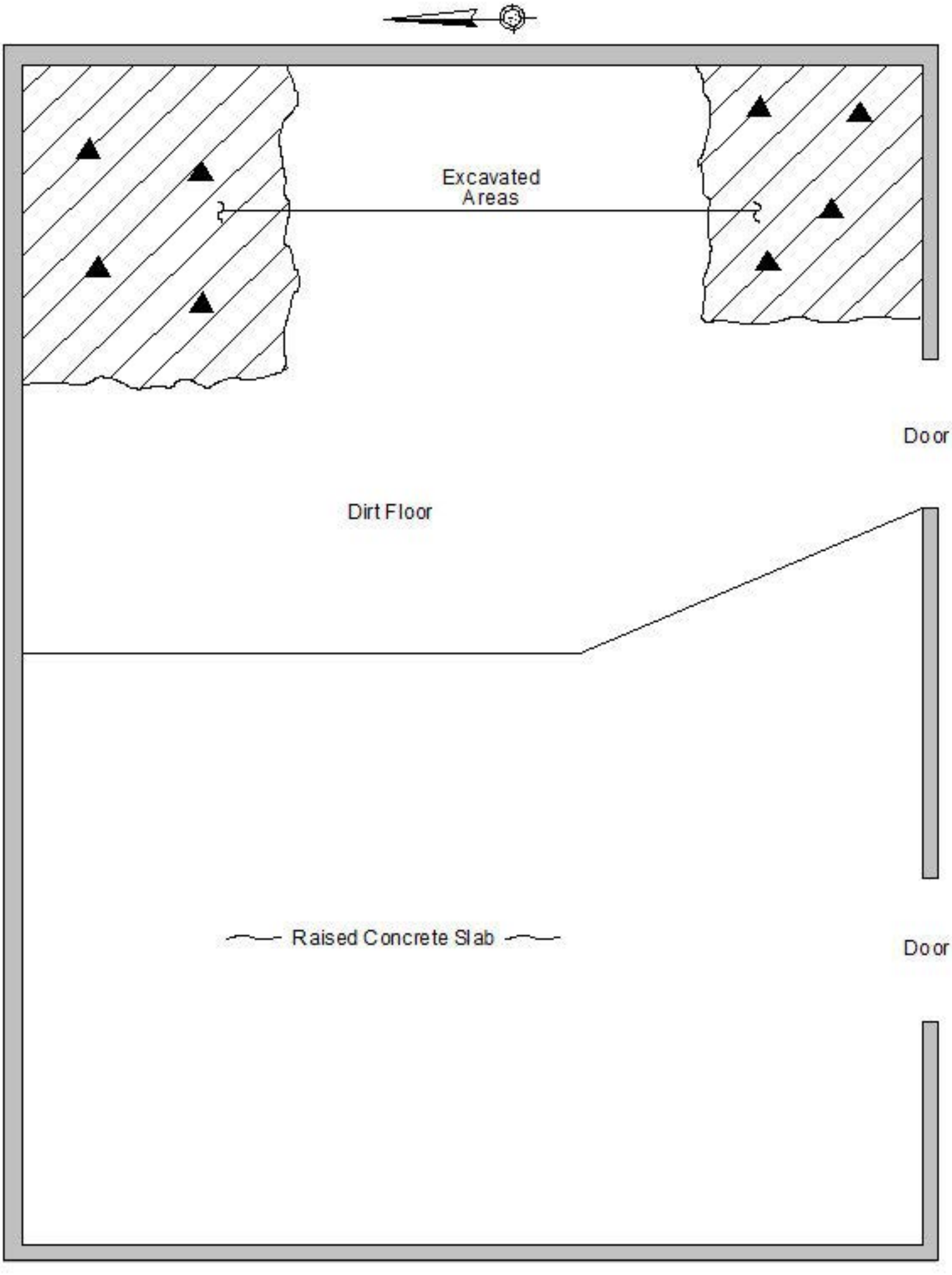
WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS
PO Box 5891, Vacaville, CA 95696

Project Name: Brann Ranch	**Date:** July 2018
Location: 7983 State Highway 12, Rio Vista	
Drawing By: DLG	**Scale:** No Scale

Legend

▲ Verification Soil Sample Collection Locations

PLATE 2
Big Barn Plan View



McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1804961

Report Created for: West & Associates

630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Project Contact: Brian West
Project P.O.:
Project: Brann Ranch

Project Received: 04/17/2018

Analytical Report reviewed & approved for release on 05/01/2018 by:

Heidi Fruhlinger
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: West & Associates
Project: Brann Ranch
WorkOrder: 1804961

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: West & Associates
Project: Brann Ranch
WorkOrder: 1804961

Analytical Qualifiers

P	Agreement between quantitative confirmation results exceed method recommended limits.
S	Surrogate spike recovery outside accepted recovery limits.
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.
c2	Surrogate recovery outside of the control limits due to matrix interference.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.

Quality Control Qualifiers

F5	LCS recovery is outside of acceptance limits; however, the data is acceptable by NELAP criteria.

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Analytical Report

Client:	West & Associates	**WorkOrder:**	1804961
Date Received:	4/17/18 13:40	**Extraction Method:**	SW3550B
Date Prepared:	4/17/18	**Analytical Method:**	SW8081A
Project:	Brann Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Big Shop: P-1	**1804961-001A**	**Soil**	**04/13/2018 15:00**	**GC23 04181828.D**	**156685**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.010	10	04/18/2018 21:41
a-BHC	ND		0.010	10	04/18/2018 21:41
b-BHC	ND		0.010	10	04/18/2018 21:41
d-BHC	ND		0.010	10	04/18/2018 21:41
g-BHC	**0.48**	P	0.010	10	04/18/2018 21:41
Chlordane (Technical)	ND		0.25	10	04/18/2018 21:41
a-Chlordane	ND		0.010	10	04/18/2018 21:41
g-Chlordane	ND		0.010	10	04/18/2018 21:41
p,p-DDD	**0.61**		0.010	10	04/18/2018 21:41
p,p-DDE	**0.31**	P	0.010	10	04/18/2018 21:41
p,p-DDT	**16**		0.10	100	05/01/2018 03:38
Dieldrin	ND		0.010	10	04/18/2018 21:41
Endosulfan I	ND		0.010	10	04/18/2018 21:41
Endosulfan II	ND		0.010	10	04/18/2018 21:41
Endosulfan sulfate	ND		0.010	10	04/18/2018 21:41
Endrin	ND		0.010	10	04/18/2018 21:41
Endrin aldehyde	ND		0.010	10	04/18/2018 21:41
Endrin ketone	ND		0.010	10	04/18/2018 21:41
Heptachlor	ND		0.010	10	04/18/2018 21:41
Heptachlor epoxide	ND		0.010	10	04/18/2018 21:41
Hexachlorobenzene	ND		0.10	10	04/18/2018 21:41
Hexachlorocyclopentadiene	ND		0.20	10	04/18/2018 21:41
Methoxychlor	ND		0.010	10	04/18/2018 21:41
Toxaphene	ND		0.50	10	04/18/2018 21:41

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	752	S	70-130	04/18/2018 21:41

Analyst(s): LT Analytical Comments: c1

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

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Analytical Report

Client:	West & Associates	**WorkOrder:**	1804961
Date Received:	4/17/18 13:40	**Extraction Method:**	SW3550B
Date Prepared:	4/17/18	**Analytical Method:**	SW8081A
Project:	Brann Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Big Shop: P-2	**1804961-002A**	**Soil**	**04/13/2018 15:00**	**GC23 04181830.D**	**156685**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.0050	5	04/18/2018 22:13
a-BHC	ND		0.0050	5	04/18/2018 22:13
b-BHC	ND		0.0050	5	04/18/2018 22:13
d-BHC	**0.011**		0.0050	5	04/18/2018 22:13
g-BHC	**0.38**		0.0050	5	04/18/2018 22:13
Chlordane (Technical)	ND		0.12	5	04/18/2018 22:13
a-Chlordane	**0.0055**	P	0.0050	5	04/18/2018 22:13
g-Chlordane	**0.0063**		0.0050	5	04/18/2018 22:13
p,p-DDD	**0.072**		0.0050	5	04/18/2018 22:13
p,p-DDE	**0.070**		0.0050	5	04/18/2018 22:13
p,p-DDT	**0.94**		0.010	10	04/25/2018 17:28
Dieldrin	**0.021**		0.0050	5	04/18/2018 22:13
Endosulfan I	ND		0.0050	5	04/18/2018 22:13
Endosulfan II	ND		0.0050	5	04/18/2018 22:13
Endosulfan sulfate	ND		0.0050	5	04/18/2018 22:13
Endrin	ND		0.0050	5	04/18/2018 22:13
Endrin aldehyde	ND		0.0050	5	04/18/2018 22:13
Endrin ketone	ND		0.0050	5	04/18/2018 22:13
Heptachlor	ND		0.0050	5	04/18/2018 22:13
Heptachlor epoxide	ND		0.0050	5	04/18/2018 22:13
Hexachlorobenzene	ND		0.050	5	04/18/2018 22:13
Hexachlorocyclopentadiene	ND		0.10	5	04/18/2018 22:13
Methoxychlor	ND		0.0050	5	04/18/2018 22:13
Toxaphene	ND		0.25	5	04/18/2018 22:13

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	102	70-130	04/18/2018 22:13

Analyst(s): KX, LT

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Analytical Report

Client:	West & Associates	**WorkOrder:**	1804961
Date Received:	4/17/18 13:40	**Extraction Method:**	SW3550B/3630C
Date Prepared:	4/17/18	**Analytical Method:**	SW8015B
Project:	Brann Ranch	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Big Shop: TPH-1	**1804961-003A**	**Soil**	**04/13/2018 15:00**	**GC11A 04201846.D**	**156631**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**4000**	100	100	04/21/2018 06:02
TPH-Motor Oil (C18-C36)	**24,000**	500	100	04/21/2018 06:02

Surrogates	REC (%)	Qualifiers	Limits	
C9	216	S	74-123	04/21/2018 06:02

Analyst(s): JIS Analytical Comments: e7,e2,c2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Big Shop: TPH-2	**1804961-004A**	**Soil**	**04/13/2018 15:00**	**GC11A 04201850.D**	**156631**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**5400**	100	100	04/21/2018 07:19
TPH-Motor Oil (C18-C36)	**37,000**	500	100	04/21/2018 07:19

Surrogates	REC (%)	Qualifiers	Limits	
C9	132	S	74-123	04/21/2018 07:19

Analyst(s): JIS Analytical Comments: e7,e2,c2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Big Shop: TPH-3	**1804961-005A**	**Soil**	**04/13/2018 15:00**	**GC11A 04201854.D**	**156631**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2700**	50	50	04/21/2018 08:37
TPH-Motor Oil (C18-C36)	**16,000**	250	50	04/21/2018 08:37

Surrogates	REC (%)	Limits	
C9	109	74-123	04/21/2018 08:37

Analyst(s): JIS Analytical Comments: e7,e2

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Quality Control Report

Client:	West & Associates	**WorkOrder:**	1804961
Date Prepared:	4/17/18	**BatchID:**	156685
Date Analyzed:	4/18/18 - 4/19/18	**Extraction Method:**	SW3550B
Instrument:	GC23	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	Brann Ranch	**Sample ID:**	MB/LCS-156685

QC Summary Report for SW8081A

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0455	0.0010	0.050	-	91	70-130
a-BHC	ND	0.0498	0.0010	0.050	-	100	70-130
b-BHC	ND	0.0474	0.0010	0.050	-	95	70-130
d-BHC	ND	0.0485	0.0010	0.050	-	97	70-130
g-BHC	ND	0.0485	0.0010	0.050	-	97	70-130
Chlordane (Technical)	ND	-	0.025	-	-	-	-
a-Chlordane	ND	0.0433	0.0010	0.050	-	87	70-130
g-Chlordane	ND	0.0418	0.0010	0.050	-	84	70-130
p,p-DDD	ND	0.0429	0.0010	0.050	-	86	70-130
p,p-DDE	ND	0.0456	0.0010	0.050	-	91	70-130
p,p-DDT	ND	0.0439	0.0010	0.050	-	88	70-130
Dieldrin	ND	0.0475	0.0010	0.050	-	95	70-130
Endosulfan I	ND	0.0437	0.0010	0.050	-	87	70-130
Endosulfan II	ND	-	0.0010	-	-	-	-
Endosulfan II	ND	0.0397	0.0010	0.050	-	79	70-130
Endosulfan sulfate	ND	0.0424	0.0010	0.050	-	85	70-130
Endrin	ND	0.0451	0.0010	0.050	-	90	70-130
Endrin aldehyde	ND	0.0495	0.0010	0.050	-	99	70-130
Endrin ketone	ND	0.0420	0.0010	0.050	-	84	70-130
Heptachlor	ND	0.0524	0.0010	0.050	-	105	70-130
Heptachlor epoxide	ND	0.0429	0.0010	0.050	-	86	70-130
Hexachlorobenzene	ND	0.0429	0.010	0.050	-	86	50-150
Hexachlorocyclopentadiene	ND	0.0363	0.020	0.050	-	73	50-150
Methoxychlor	ND	0.0448	0.0010	0.050	-	90	70-130
Surrogate Recovery							
Decachlorobiphenyl	0.0456	0.0418		0.050	91	84	70-130

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	West & Associates	**WorkOrder:**	1804961
Date Prepared:	4/17/18	**BatchID:**	156631
Date Analyzed:	4/18/18	**Extraction Method:**	SW3550B/3630C
Instrument:	GC9a, GC9b	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Brann Ranch	**Sample ID:**	MB/LCS-156631 1804894-002AMS/MSD

QC Report for SW8015B w/ Silica Gel Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	28.5	1.0	40	-	71, F5	75-128
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	22.7	22.7		25	91	91	72-122

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	31.0	34.1	40	ND	77	85	71-134	9.63	30
Surrogate Recovery									
C9	22.2	22.2	25		89	89	78-126	0	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1804961 **ClientCode: WAA**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Brian West
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688
(707) 688-4404 FAX: (707) 447-0631

Email: bjacobsen@astound.net; brian@westengin
cc/3rd Party:
PO:
Project: Brann Ranch

Bill to:
Accounts Payable
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Requested TAT: 5 days;

Date Received: **04/17/2018**
Date Logged: **04/17/2018**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1804961-001	Big Shop: P-1	Soil	4/13/2018 15:00	☐	A											
1804961-002	Big Shop: P-2	Soil	4/13/2018 15:00	☐	A											
1804961-003	Big Shop: TPH-1	Soil	4/13/2018 15:00	☐		A										
1804961-004	Big Shop: TPH-2	Soil	4/13/2018 15:00	☐		A										
1804961-005	Big Shop: TPH-3	Soil	4/13/2018 15:00	☐		A										

Test Legend:

1	8081_S	2	TPH(DMO)WSG_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Kena Ponce

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: WEST & ASSOCIATES
Client Contact: Brian West
Contact's Email: bjacobsen@astound.net; brian@westengineers.com;dganzer@westengineers.com

Project: Brann Ranch
Comments:

Work Order: 1804961
QC Level: LEVEL 2
Date Logged: 4/17/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1804961-001A	Big Shop: P-1	Soil	SW8081A (OC Pesticides)	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	
1804961-002A	Big Shop: P-2	Soil	SW8081A (OC Pesticides)	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	
1804961-003A	Big Shop: TPH-1	Soil	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	1	Stainless Steel tube 2"x3"	☐	4/13/2018 15:00	5 days		☐	
1804961-004A	Big Shop: TPH-2	Soil	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	1	Stainless Steel tube 2"x3"	☐	4/13/2018 15:00	5 days		☐	
1804961-005A	Big Shop: TPH-3	Soil	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1804961

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CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush		STD	●	Quote #						
J-Flag / MDL		ESL		Cleanup Approved					Bottle Order #						
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS						

Report To: Brian West Bill To: Same
Company: West & Associates Environmental Engineers, Inc.
Email: brian@westengineers.com
Alt Email: Tele: 707-761-2307
Project Name: Brann Ranch Project #:
Project Location: 7983 Highway 12, Rio Vista PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis
Big Shop: P-1	4-13-18	3pm	1	Ash	none							X								
Big Shop: P-2	4-13-18	3pm	1	soil	none							X								
Big Shop: TPH-1	4-13-18	3pm	1	soil	none			X												
Big Shop: TPH-2	4-13-18	3pm	1	soil	none			X												
Big Shop: TPH-3	4-13-18	3pm	1	soil	none			X												

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Brian West	4-17-18	11:20	PTS	4/17/18	1120
PTS	4/17/18	1340		4/17/18	1340

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 4.4 °C Initials

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Sample Receipt Checklist

Client Name:	**West & Associates**	Date and Time Received	**4/17/2018 13:40**
Project:	**Brann Ranch**	Date Logged:	**4/17/2018**
		Received by:	Kena Ponce
WorkOrder №:	**1804961** Matrix: Soil	Logged by:	Kena Ponce
Carrier:	Patrick Johnson (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 4.6°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1806B13

Report Created for: West & Associates

630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Project Contact: Brian West
Project P.O.:
Project: Brann Ranch

Project Received: 06/21/2018

Analytical Report reviewed & approved for release on 06/28/2018 by:



Jennifer Lagerbom
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: West & Associates
Project: Brann Ranch
WorkOrder: 1806B13

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: West & Associates
Project: Brann Ranch
WorkOrder: 1806B13

Analytical Qualifiers

e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant

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Analytical Report

Client:	West & Associates	**WorkOrder:**	1806B13
Date Received:	6/21/18 12:45	**Extraction Method:**	E9071B
Date Prepared:	6/26/18	**Analytical Method:**	E9071B
Project:	Brann Ranch	**Unit:**	mg/Kg

Hexane Extractable Material without Silica Gel Treatment

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Barn Floor SE	**1806B13-001A**	**Soil**	**06/19/2018**	**O&G**	**160540**

Analytes	Result	RL	DF	Date Analyzed
HEM	ND	50	1	06/26/2018 11:15

Analyst(s): HN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
POL Stockpile	**1806B13-002A**	**Soil**	**06/19/2018**	**O&G**	**160540**

Analytes	Result	RL	DF	Date Analyzed
HEM	**6800**	50	1	06/26/2018 11:30

Analyst(s): HN

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Analytical Report

Client:	West & Associates	**WorkOrder:**	1806B13
Date Received:	6/21/18 12:45	**Extraction Method:**	SW3550B/3630C
Date Prepared:	6/21/18	**Analytical Method:**	SW8015B
Project:	Brann Ranch	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Barn Floor SE	**1806B13-001A**	**Soil**	**06/19/2018**	**GC6B 06271845.D**	**160368**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.4**	1.0	1	06/27/2018 23:51
TPH-Motor Oil (C18-C36)	**6.1**	5.0	1	06/27/2018 23:51

Surrogates	REC (%)	Limits	
C9	90	74-123	06/27/2018 23:51

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
POL Stockpile	**1806B13-002A**	**Soil**	**06/19/2018**	**GC11A 06251858.D**	**160368**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**280**	10	10	06/26/2018 02:59
TPH-Motor Oil (C18-C36)	**1400**	50	10	06/26/2018 02:59

Surrogates	REC (%)	Limits	
C9	83	74-123	06/26/2018 02:59

Analyst(s): JIS Analytical Comments: e7,e2

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Quality Control Report

Client:	West & Associates	**WorkOrder:**	1806B13
Date Prepared:	6/26/18	**BatchID:**	160540
Date Analyzed:	6/26/18	**Extraction Method:**	E9071B
Instrument:	O&G	**Analytical Method:**	E9071B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Brann Ranch	**Sample ID:**	MB/LCS-160540 1806B13-001AMS/MSD

QC Summary Report for E9071B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
HEM	ND	1880	50	2000	-	94	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
HEM	1940	1860	2000	ND	97	93	70-130	4.32	30

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Quality Control Report

Client:	West & Associates	**WorkOrder:**	1806B13
Date Prepared:	6/21/18	**BatchID:**	160368
Date Analyzed:	6/22/18	**Extraction Method:**	SW3550B/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Brann Ranch	**Sample ID:**	MB/LCS-160368 1806B06-001AMS/MSD

QC Report for SW8015B w/ Silica Gel Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	41.8	1.0	40	-	104	75-128
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	23.7	24.0		25	95	96	72-122

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	41.6	42.6	40	ND	104	107	71-134	2.44	30
Surrogate Recovery									
C9	22.0	23.3	25		88	93	78-126	5.76	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1806B13 **ClientCode: WAA**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Brian West
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688
(707) 688-4404 FAX: (707) 447-0631

Email: bjacobsen@astound.net; brian@westengin
cc/3rd Party:
PO:
Project: Brann Ranch

Bill to:
Accounts Payable
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Requested TAT: 5 days;

Date Received: **06/21/2018**
Date Logged: **06/21/2018**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1806B13-001	Barn Floor SE	Soil	6/19/2018 00:00	☐	A	A										
1806B13-002	POL Stockpile	Soil	6/19/2018 00:00	☐	A	A										

Test Legend:

1	9071B_S	2	TPH(DMO)WSG_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: WEST & ASSOCIATES
Client Contact: Brian West
Contact's Email: bjacobsen@astound.net; brian@westengineers.com;dganzer@westengineers.com

Project: Brann Ranch
Comments:

Work Order: 1806B13
QC Level: LEVEL 2
Date Logged: 6/21/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1806B13-001A	Barn Floor SE	Soil	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	1	40mL VOA	☐	6/19/2018	5 days		☐	
			E9071B (O&G w/o S.G. Clean-Up)			☐		5 days		☐	
1806B13-002A	POL Stockpile	Soil	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	1	40mL VOA	☐	6/19/2018	5 days		☐	
			E9071B (O&G w/o S.G. Clean-Up)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1806B13

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CHAIN OF CUSTODY RECORD

| | | |

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Sample Receipt Checklist

Client Name:	**West & Associates**	Date and Time Received	**6/21/2018 12:45**
Project:	**Brann Ranch**	Date Logged:	**6/21/2018**
		Received by:	Agustina Venegas
WorkOrder №:	**1806B13** Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	Patrick Johnson (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
	(Ice Type: WET ICE)				
Sample/Temp Blank temperature		Temp: 1.3°C			NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1807356

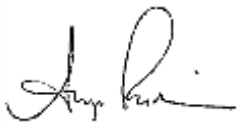
Report Created for: West & Associates

630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Project Contact: Brian West
Project P.O.:
Project: Brann Ranch

Project Received: 07/10/2018

Analytical Report reviewed & approved for release on 07/16/2018 by:



Angela Rydelius
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: West & Associates
Project: Brann Ranch
WorkOrder: 1807356

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: West & Associates
Project: Brann Ranch
WorkOrder: 1807356

Analytical Qualifiers

P	Agreement between quantitative confirmation results exceed method recommended limits
a1	Sample diluted due to matrix interference
a2	Sample diluted due to cluttered chromatogram
a3	Sample diluted due to high organic content.

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Analytical Report

Client:	West & Associates	**WorkOrder:**	1807356
Date Received:	7/10/18 11:25	**Extraction Method:**	SW3550B
Date Prepared:	7/10/18	**Analytical Method:**	SW8081A
Project:	Brann Ranch	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
NE Corner of Floor	**1807356-001A**	**Soil**	**07/09/2018**	**GC41 07101811.d**	**161227**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	**0.0053**	P	0.0020	2	07/10/2018 19:41
a-BHC	ND		0.0020	2	07/10/2018 19:41
b-BHC	ND		0.0020	2	07/10/2018 19:41
d-BHC	ND		0.0020	2	07/10/2018 19:41
g-BHC	**0.042**		0.0020	2	07/10/2018 19:41
Chlordane (Technical)	ND		0.050	2	07/10/2018 19:41
a-Chlordane	ND		0.0020	2	07/10/2018 19:41
g-Chlordane	**0.0060**	P	0.0020	2	07/10/2018 19:41
p,p-DDD	**0.029**		0.0020	2	07/10/2018 19:41
p,p-DDE	**0.081**		0.0020	2	07/10/2018 19:41
p,p-DDT	**0.57**		0.010	10	07/11/2018 20:18
Dieldrin	**0.036**		0.0020	2	07/10/2018 19:41
Endosulfan I	ND		0.0020	2	07/10/2018 19:41
Endosulfan II	ND		0.0020	2	07/10/2018 19:41
Endosulfan sulfate	**0.025**	P	0.0020	2	07/10/2018 19:41
Endrin	ND		0.0020	2	07/10/2018 19:41
Endrin aldehyde	ND		0.0020	2	07/10/2018 19:41
Endrin ketone	ND		0.0020	2	07/10/2018 19:41
Heptachlor	ND		0.0020	2	07/10/2018 19:41
Heptachlor epoxide	ND		0.0020	2	07/10/2018 19:41
Hexachlorobenzene	**0.031**		0.020	2	07/10/2018 19:41
Hexachlorocyclopentadiene	ND		0.040	2	07/10/2018 19:41
Methoxychlor	ND		0.0020	2	07/10/2018 19:41
Toxaphene	ND		0.10	2	07/10/2018 19:41

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	102	70-130	07/10/2018 19:41

Analyst(s): KX

Analytical Comments: a1,a2,a3

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Quality Control Report

Client:	West & Associates	**WorkOrder:**	1807356
Date Prepared:	7/10/18	**BatchID:**	161227
Date Analyzed:	7/10/18	**Extraction Method:**	SW3550B
Instrument:	GC41	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	Brann Ranch	**Sample ID:**	MB/LCS/LCSD-161227

QC Summary Report for SW8081A

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.0010	-	-	-
a-BHC	ND	0.0010	-	-	-
b-BHC	ND	0.0010	-	-	-
d-BHC	ND	0.0010	-	-	-
g-BHC	ND	0.0010	-	-	-
Chlordane (Technical)	ND	0.025	-	-	-
a-Chlordane	ND	0.0010	-	-	-
g-Chlordane	ND	0.0010	-	-	-
p,p-DDD	ND	0.0010	-	-	-
p,p-DDE	ND	0.0010	-	-	-
p,p-DDT	ND	0.0010	-	-	-
Dieldrin	ND	0.0010	-	-	-
Endosulfan I	ND	0.0010	-	-	-
Endosulfan II	ND	0.0010	-	-	-
Endosulfan sulfate	ND	0.0010	-	-	-
Endrin	ND	0.0010	-	-	-
Endrin aldehyde	ND	0.0010	-	-	-
Endrin ketone	ND	0.0010	-	-	-
Heptachlor	ND	0.0010	-	-	-
Heptachlor epoxide	ND	0.0010	-	-	-
Hexachlorobenzene	ND	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.020	-	-	-
Methoxychlor	ND	0.0010	-	-	-
Methoxychlor	ND	0.0010	-	-	-
Toxaphene	ND	0.050	-	-	-
Surrogate Recovery					
Decachlorobiphenyl	0.0586		0.050	117	70-130

(Cont.)

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Quality Control Report

Client:	West & Associates	**WorkOrder:**	1807356
Date Prepared:	7/10/18	**BatchID:**	161227
Date Analyzed:	7/10/18	**Extraction Method:**	SW3550B
Instrument:	GC41	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	Brann Ranch	**Sample ID:**	MB/LCS/LCSD-161227

QC Summary Report for SW8081A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.0566	0.0575	0.050	113	115	70-130	1.60	20
a-BHC	0.0552	0.0544	0.050	110	109	70-130	1.45	20
b-BHC	0.0593	0.0592	0.050	119	118	70-130	0.196	20
d-BHC	0.0610	0.0611	0.050	122	122	70-130	0	20
g-BHC	0.0572	0.0564	0.050	114	113	70-130	1.40	20
a-Chlordane	0.0552	0.0561	0.050	110	112	70-130	1.61	20
g-Chlordane	0.0440	0.0572	0.050	88	114	70-130	1.12	20
g-Chlordane	0.0440	0.0572	0.050	88	114	70-130	1.12	20
p,p-DDD	0.0504	0.0506	0.050	101	101	70-130	0	20
p,p-DDE	0.0576	0.0583	0.050	115	117	70-130	1.19	20
p,p-DDT	0.0513	0.0531	0.050	103	106	70-130	3.44	20
Dieldrin	0.0610	0.0624	0.050	122	125	70-130	2.29	20
Endosulfan I	0.0555	0.0565	0.050	111	113	70-130	1.85	20
Endosulfan II	0.0522	0.0530	0.050	104	106	70-130	1.61	20
Endosulfan sulfate	0.0557	0.0579	0.050	111	116	70-130	3.76	20
Endrin	0.0581	0.0592	0.050	116	118	70-130	1.91	20
Endrin aldehyde	0.0563	0.0580	0.050	113	116	70-130	2.98	20
Endrin ketone	0.0512	0.0531	0.050	102	106	70-130	3.62	20
Heptachlor	0.0586	0.0591	0.050	117	118	70-130	0.794	20
Heptachlor epoxide	0.0540	0.0544	0.050	108	109	70-130	0.695	20
Hexachlorobenzene	0.0595	0.0545	0.050	119	109	50-150	3.53	20
Hexachlorocyclopentadiene	0.0522	0.0523	0.050	104	105	50-150	0.366	20
Methoxychlor	0.0522	0.0557	0.050	104	111	70-130	6.40	20
Surrogate Recovery								
Decachlorobiphenyl	0.0496	0.0517	0.050	99	103	70-130	4.21	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1807356 **ClientCode: WAA**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Brian West
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688
(707) 688-4404 FAX: (707) 447-0631

Email: bjacobsen@astound.net; brian@westengin
cc/3rd Party:
PO:
Project: Brann Ranch

Bill to:
Accounts Payable
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Requested TAT: 5 days;

Date Received: **07/10/2018**
Date Logged: **07/10/2018**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1807356-001	NE Corner of Floor	Soil	7/9/2018 00:00	☐	A											

Test Legend:

1	8081_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: WEST & ASSOCIATES
Client Contact: Brian West
Contact's Email: bjacobsen@astound.net; brian@westengineers.com;dganzer@westengineers.com

Project: Brann Ranch
Comments:

Work Order: 1807356
QC Level: LEVEL 2
Date Logged: 7/10/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1807356-001A	NE Corner of Floor	Soil	SW8081A (OC Pesticides)	1	20mL Vial	☐	7/9/2018	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1807356

McCAMPBELL ANALYTICAL, INC.

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www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush		STD	●	Quote #															
J-Flag / MDL		ESL		Cleanup Approved					Bottle Order #															
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)			EQuIS														

Report To: Brian West Bill To: Same

Company: West & Associates Environmental Engineers, Inc.

Email: brian@westengineers.com

Alt Email: Tele: 707-761-2307

Project Name: Brann Ranch Project #:

Project Location: Big Shop PO #

Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
NE Corner of Floor ★	7/9/18	am	1	soil	cold

Analysis Requested

BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis				
						●													

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
[signature]	7/10/18	10:27AM	PTT	7/10/18	1020
PTT	7/10/18	1125	[signature]	7/10/18	1125

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 4.7 °C wet Initials RN

★Sample Labeled 'Barn Floor'

Page 1 of 1

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **West & Associates**
Project: **Brann Ranch**

WorkOrder №: **1807356** Matrix: Soil
Carrier: Patrick Johnson (MAI Courier)

Date and Time Received **7/10/2018 11:25**
Date Logged: **7/10/2018**
Received by: Jena Alfaro
Logged by: Jena Alfaro

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☐	No	☑		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: OTHERS)						
Sample/Temp Blank temperature	Temp: 4.7°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

WEST ASSOCIATES
ENVIRONMENTAL ENGINEERS, INC.

May 16, 2018

Mr. Tim Taron, Trustee
The Richard Brann Revocable Trust

SUBJECT: REPORT OF FINDINGS - SOIL CONDITIONS
FORMER COOKHOUSE AND BUNKHOUSE – BRANN RANCH
7983 STATE HIGHWAY 12, RIO VISTA CALIFORNIA

Dear Mr. Taron:

West & Associates Environmental Engineers, Inc. is please to submit this Report of Findings describing our investigation of shallow soil conditions in and around the former Cookhouse and Bunkhouse on the 'Brann Ranch', 7983 State Highway 12, in Rio Vista. The former Bunkhouse/Cookhouse study area on the Brann Ranch property is identified on *Plate 1*.

Background

We understand three structures formerly were present in the study area: a 40' x 25' Cookhouse, a smaller washhouse and an approximately 30' x 20' Bunkhouse. All three structures were constructed in an era when the use of asbestos containing building materials (aka ACM) was common. All three structures were destroyed in a fire approximately 20 years ago.

At this time, only the concrete perimeter foundation of the former Cookhouse remains. There is also a septic tank buried immediately north of the Cookhouse foundation. No trace of the washhouse or Bunkhouse remains.

The interior of the former Cookhouse foundation is filled with ash and fire debris. Ash and fire debris is also present on the ground surface within the study area. Asbestos in building materials is not consumed during a fire. Instead, the asbestos is released and can deposit on the ground surface, resulting in soil contamination. Asbestos fibers in surface soil are a hazard as they can become airborne due to wind or surface activity. Airborne asbestos can be inhaled by humans and animals resulting in adverse health effects.

In the spring of 2018, West & Associates Environmental Engineers, Inc, was retained to collect surface soil samples from the Cookhouse/Bunkhouse study area for analysis to determine if hazardous levels of asbestos fibers are present.

Surface Soil Investigation

An inspection of the fire debris within the former Cookhouse foundation revealed identifiable remnants of roofing shingles and exterior siding. As these building materials comprise a large percentage of the building structure and commonly contain asbestos, discrete samples (aka bulk samples) were collected for analysis. An exterior bulk siding sample was labeled "CH-Siding"; the bulk roofing shingle sample was labeled "CH-Shingle".

A bulk ash sample was collected from the approximate center of the former Cookhouse. That sample was labeled “CH-Interior Ash”.

Surface soil samples were collected from various locations throughout the study area. One sample, labeled “CH-SE Corner”, was collected 10 feet southeast of the former Cookhouse foundation. One sample, labeled “Septic Tank Lid” was collected immediately next to the septic tank between the Cookhouse and the washhouse.

One surface soil sample, labeled “Tree North of Bunk”, was collected next to a tree at the northwest corner of the former Bunkhouse. A sample was also collected between the former Bunkhouse and washhouse. That sample was labeled “South of Bunkhouse”. Lastly, a surface soil sample was collected north of the concrete silo foundation at the north end of the study area. That sample was labeled “North of Silo”.

The locations of all eight samples collected in the Cookhouse/Bunkhouse study area are depicted on *Plate 2*.

Family sources reported that the fire destroying the Bunkhouse/Cookhouse complex started at Highway 12 and was moving north. It can be reasonably presumed that asbestos fibers released by the fire would travel with the wind and would deposit in a northerly pattern. Consequently, the majority of the surface soil samples collected were north of the former Cookhouse.

All samples were sealed in zip lock bags and entered on a chain of custody record. The sample set was delivered to McCampbell Analytical. McCampbell subcontracted the asbestos analyses to Forensic Analytical Laboratories in Hayward.

Test Results

Analytical test results are presented in *Table 1*. Copies of the chain of custody record and other analytical documentation is attached to this report.

Summary and Conclusions

A total of 8 samples were collected in the Cookhouse/Bunkhouse study area for asbestos analysis. Two of the samples were “bulk” samples; i.e. discrete samples of building materials. One of the samples was bulk fire ash. The other five samples were surface soil.

The bulk shingle sample was reported as “Non-Detect” for asbestos. The bulk siding sample was reported as “Trace”, meaning the percentage of asbestos in the sample was too small to quantify. The bulk ash sample was also reported as “Trace”.

All five surface soil samples were reported to be “Non-Detect”.

Generally, ACM is defined as a material containing 1% of asbestos or more. Neither of the bulk samples exceeded 1% asbestos, so it is concluded no ACM exists in the study area.

Based on the sample results generated by this investigation, it is concluded that there is no asbestos hazard in the Cookhouse/Bunkhouse study area. The fire ash is eligible for unrestricted handling, transport and disposal.

Forensic Analytical LABORATORIES

Final Repo

Bulk Asbestos Analysis

(EPA Method 600/M4-82-020 and 600/R-93-116, Visual Area Estimation)

McCampbell Analytical, Inc.
Account Payable
1534 Willow Pass Rd

Pittsburg, CA 94565

Client ID: A31409
Report Number: B257332
Date Received: 04/19/18
Date Analyzed: 04/26/18
Date Printed: 04/26/18
First Reported: 04/26/18

Job ID/Site: 1804966 - Brann Ranch

Date(s) Collected: 04/13/2018

FALI Job ID: A31409
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent i Layer
CH-Interior Ash	12022928						
Layer: Debris		Chrysotile	**Trace**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Comment: Wipe/Microvac/Debris sample: Quantitative data may not be repeatable or represent the entire sample.							
CH-SE Corner	12022929						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
CH-Septic Tank Lid	12022930						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
Ch-Tree North of Bunk	12022931						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
CH-South of Bunkhouse	12022932						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
CH-North of Silo	12022933						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
CH-Shingle	12022934						
Layer: Green/Black Roof Shingle			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (5 %)							
CH-Siding	12022935						
Layer: Off-White Semi-Fibrous Material		Chrysotile	**Trace**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (Trace)							
Comment: This sample may contain heat-altered asbestos; TEM analysis is recommended for confirmation.							

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No additional investigation, testing or remediation is recommended.

Please contact me at 707-761-2307 or brian@westengineers.com for any additional information you may need.

Yours truly,

Brian W. West



Brian W. West PE
California RCE 32319 (exp 12/31/18)

BWW/dg

Attachments: Plate 1 - Bunkhouse/Cookhouse Study Area
Plate 2 - Asbestos Sample Collection Locations
Asbestos Analysis Laboratory Documents

WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS

PO Box 5891, Vacaville, CA 95696

Project Name: Brann Ranch	**Date:** May 2018
Location: 7983 State Highway 12, Rio Vista	
Drawing By: DLG	**Scale:** See Below

Legend

PLATE 1
Former
Cookhouse / Bunkhouse
Study Area



WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS

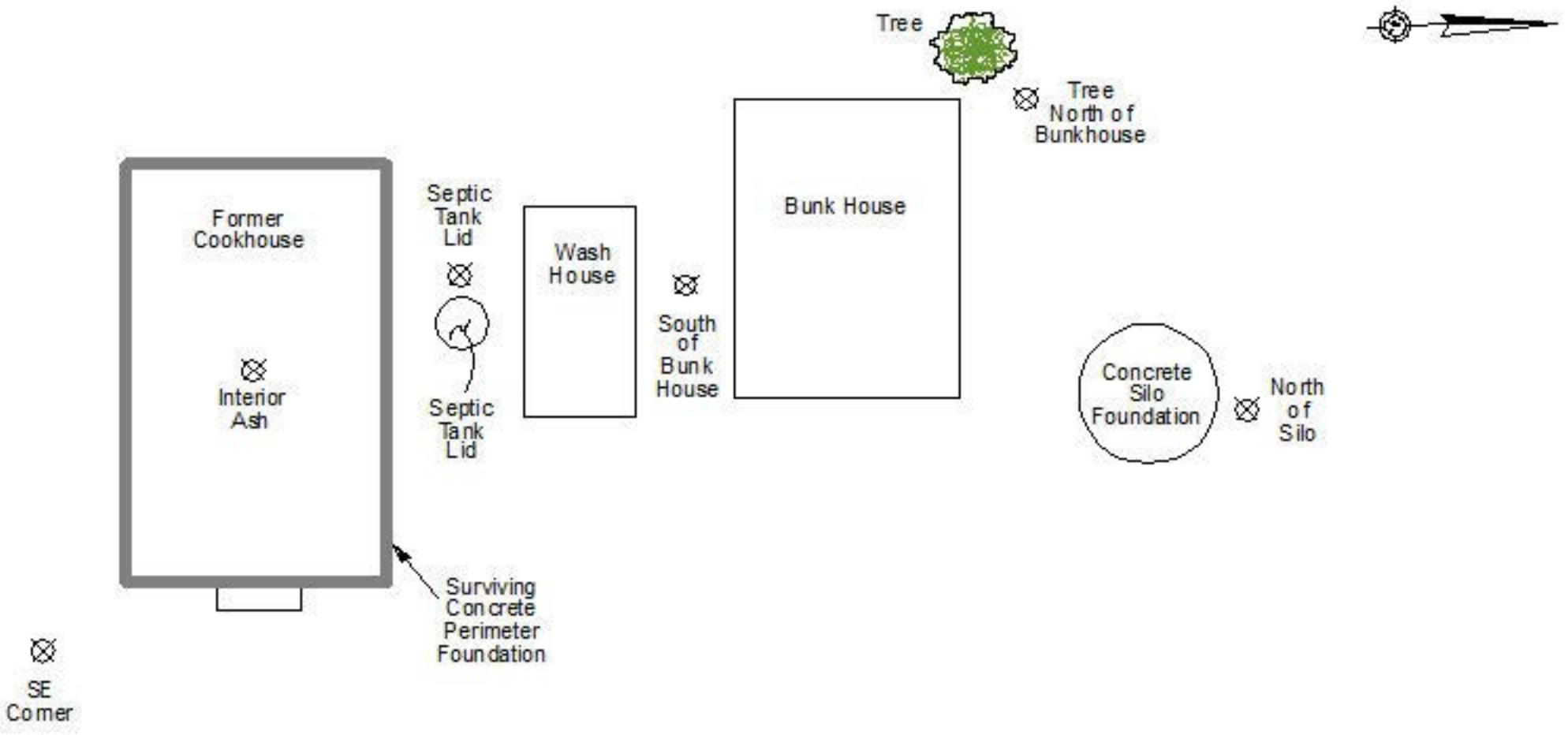
PO Box 5891, Vacaville, CA 95696

Project Name: Brann Ranch	**Date:** May 2018
Location: 7983 State Highway 12, Rio Vista	
Drawing By: DLG	**Scale:** No Scale

Legend

⊗ Surface Soil Sample Collection Locations

PLATE 2
Former
Cookhouse / Bunkhouse
Soil Sample Collection Locations
April 2018



McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1804966

Report Created for: West & Associates

630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Project Contact: Brian West
Project P.O.:
Project: Brann Ranch

Project Received: 04/17/2018

Analytical Report reviewed & approved for release on 04/26/2018 by:

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: West & Associates
Project: Brann Ranch
WorkOrder: 1804966

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1804966 **ClientCode: WAA**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Brian West
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688
(707) 688-4404 FAX: (707) 447-0631

Email: bjacobsen@astound.net; brian@westengin
cc/3rd Party:
PO:
Project: Brann Ranch

Bill to:
Accounts Payable
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Requested TAT: 5 days;

Date Received: **04/17/2018**
Date Logged: **04/17/2018**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1804966-001	CH-Interior Ash	Soil	4/13/2018 15:00	☐	A											
1804966-002	CH-SE Corner	Soil	4/13/2018 15:00	☐	A											
1804966-003	CH-Septic Tank Lid	Soil	4/13/2018 15:00	☐	A											
1804966-004	CH-Tree North of Bunk	Soil	4/13/2018 15:00	☐	A											
1804966-005	CH-South of Bunkhouse	Soil	4/13/2018 15:00	☐	A											
1804966-006	CH-North of Silo	Soil	4/13/2018 15:00	☐	A											
1804966-007	CH-Shingle	Solid	4/13/2018 15:00	☐		A										
1804966-008	CH-Siding	Solid	4/13/2018 15:00	☐		A										

Test Legend:

1	ASBESTOS_E600PLM_S	2	ASBESTOS_E600PLM_SOLID	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Kena Ponce

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: WEST & ASSOCIATES
Client Contact: Brian West
Contact's Email: bjacobsen@astound.net; brian@westengineers.com;dganzer@westengineers.com

Project: Brann Ranch
Comments:

Work Order: 1804966
QC Level: LEVEL 2
Date Logged: 4/17/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1804966-001A	CH-Interior Ash	Soil	Asbestos - PLM	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	SubOut
1804966-002A	CH-SE Corner	Soil	Asbestos - PLM	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	SubOut
1804966-003A	CH-Septic Tank Lid	Soil	Asbestos - PLM	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	SubOut
1804966-004A	CH-Tree North of Bunk	Soil	Asbestos - PLM	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	SubOut
1804966-005A	CH-South of Bunkhouse	Soil	Asbestos - PLM	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	SubOut
1804966-006A	CH-North of Silo	Soil	Asbestos - PLM	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	SubOut
1804966-007A	CH-Shingle	Solid	Asbestos - PLM	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	SubOut
1804966-008A	CH-Siding	Solid	Asbestos - PLM	1	Plastic Baggie, Small	☐	4/13/2018 15:00	5 days		☐	SubOut

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 184964

McCAMPBELL ANALYTICAL, INC.

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www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Brian West — Bill To: Same
Company: West & Associates Environmental Engineers, Inc.
Email: brian@westengineers.com
Alt Email: Tele: 707-761-2307
Project Name: Brann Ranch — Project #:
Project Location: 7983 Highway 12, Rio Vista — PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Analysis Requested: Asbestos
CH - Interior Ash	4-13-18	3pm	1	Ash	none	✓
CH - SE Corner	4-13-18	3pm	1	soil	none	✓
CH - Septic Tank Lid	4-13-18	3pm	1	soil	none	✓
CH - Tree North of Bunk	4-13-18	3pm	1	soil	none	✓
CH - South of Bunkhouse	4-13-18	3pm	1	soil	none	✓
CH - North of Silo	4-13-18	3pm	1	soil	none	✓
CH - Shingle	4-13-18	3pm	1	roof	none	✓
CH - Siding	4-13-18	3pm	1	wall	none	✓

Analysis Requested: BTEX & TPH as Gas (8021/ 8015) MTBE; TPH as Diesel (8015) + Motor Oil Without Silica Gel; TPH as Diesel (8015) + Motor Oil With Silica Gel; Total Oil & Grease (1664 / 9071) Without Silica Gel; Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel; Total Petroleum Hydrocarbons (418.1) With Silica Gel; EPA 505/ 608 / 8081 (Cl Pesticides); EPA 608 / 8082 PCB's ; Aroclors only; EPA 524.2 / 624 / 8260 (VOCs); EPA 525.2 / 625 / 8270 (SVOCs); EPA 8270 SIM / 8310 (PAHs / PNAs); CAM 17 Metals (200.8 / 6020)*; Metals (200.8 / 6020); Baylands Requirements; Lab to filter sample for dissolved metals analysis; Asbestos

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Brian West	4-17-18	11:20	PD	4/17/18	1120
PD	4/17/18	1340		4/17/18	1340

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 4.6 °C Initials

Page 1 of 1

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**West & Associates**	Date and Time Received	**4/17/2018 13:40**
Project:	**Brann Ranch**	Date Logged:	**4/17/2018**
		Received by:	Kena Ponce
WorkOrder №:	**1804966** Matrix: Soil/Solid	Logged by:	Kena Ponce
Carrier:	Patrick Johnson (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 4.6°C				NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments:

Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 600/M4-82-020 and 600/R-93-116, Visual Area Estimation)

McCampbell Analytical, Inc.
Account Payable
1534 Willow Pass Rd

Pittsburg, CA 94565

Client ID: A31409
Report Number: B257332
Date Received: 04/19/18
Date Analyzed: 04/26/18
Date Printed: 04/26/18
First Reported: 04/26/18

Job ID/Site: 1804966 - Brann Ranch

Date(s) Collected: 04/13/2018

FALI Job ID: A31409
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
CH-Interior Ash	12022928						
Layer: Debris		Chrysotile	**Trace**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Comment: Wipe/Microvac/Debris sample: Quantitative data may not be repeatable or represent the entire sample.							
CH-SE Corner	12022929						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
CH-Septic Tank Lid	12022930						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
Ch-Tree North of Bunk	12022931						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
CH-South of Bunkhouse	12022932						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
CH-North of Silo	12022933						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (2 %)							
CH-Shingle	12022934						
Layer: Green/Black Roof Shingle			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (5 %)							
CH-Siding	12022935						
Layer: Off-White Semi-Fibrous Material		Chrysotile	**Trace**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (Trace)							
Comment: This sample may contain heat-altered asbestos; TEM analysis is recommended for confirmation.							

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Report Number: B257332

Client Name: McCampbell Analytical, Inc. **Date Printed:** 04/26/18

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 600/M4-82-020 and 600/R-93-116, Visual Area Estimation)

McCampbell Analytical, Inc.
Account Payable
1534 Willow Pass Rd

Pittsburg, CA 94565

Client ID: A31409
Report Number: B257337
Date Received: 04/19/18
Date Analyzed: 04/26/18
Date Printed: 04/26/18
First Reported: 04/26/18

Job ID/Site: 1804967 - Brann Ranch

Date(s) Collected: 04/13/2018

FALI Job ID: A31409
Total Samples Submitted: 2
Total Samples Analyzed: 2

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
GH-Roof Shingles	12023005						
Layer: Multi-Color Roof Shingle			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace) Fibrous Glass (30 %)							
GH-Siding	12023006						
Layer: Grey Semi-Fibrous Material		Chrysotile	**10 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (10%)**					
Cellulose (Trace)							

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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WEST ASSOCIATES
ENVIRONMENTAL ENGINEERS, INC.

May 16, 2018

Mr. Tim Taron, Trustee
The Richard Brann Revocable Trust

SUBJECT: REPORT OF FINDINGS
FORMER UNDERGROUND TANK INSTALLATION – BRANN RANCH
7983 STATE HIGHWAY 12, RIO VISTA CALIFORNIA

Dear Mr. Taron:

West & Associates Environmental Engineers, Inc. is please to submit this Report of Findings describing our investigation of the former underground gasoline tank installation at the Brann Ranch, 7983 State Highway 12 in Rio Vista.

Background

We understand two underground gasoline tanks were formerly installed at the Brann Ranch property. The tanks were installed at the location indicated on *Plate 1*. Each tank was reportedly approximately 500 gallons in size.

According to family sources, the tanks were both removed at the same time circa mid 1990's. Apparently, the tanks were not installed, operated or removed under permit.

In the spring of 2018, West & Associates Environmental Engineers, Inc, was retained to excavate the former tank pits, inspect soil conditions, collect soil samples for analysis of gasoline compounds and prepare this Report of Findings.

Regulatory Framework

Although small fuel tanks used exclusively for agricultural operations are exempt from most installation and operating permit requirements, all underground tanks are subject to permit requirements associated with abandonment or removal. A permit should have been obtained for the removal of the two gasoline tanks in the mid 1990's. If a permit had been obtained, an inspector from the Solano County Health Department would have witnessed the removal project, supervised the collection of soil samples for testing and documented environmental site conditions.

In order to formalize the environmental investigation at the former tank installation, the Solano County Health Department was contacted and arrangements made for the presence of an inspector, specifically, Ms. Courtney White, Hazardous Materials Specialist, to observe soil conditions in the former tank pits.

Environmental Investigation

The former underground tank pits were backfilled after the tanks were removed in the mid 1990's. As the soil used to backfill the former tank pits was not compacted and has subsided over time, the locations of the former tank installations were obvious to see.

The tank pits were re-excavated utilizing a small excavator. Excavated soil was temporarily stockpiled on visqueen plastic. As soil was excavated, it was field screened by odor and visual staining to identify any potential gasoline contamination. In addition, soil samples were periodically screened using a hand held photoionization detector (PID), specifically a Mini Rae 2000. The PID can detect airborne volatiles in the gasoline range to a sensitivity of 1 part per million (PPM).

The presence of various types of debris in excavated soil confirmed that the areas under investigation had been backfilled in recent times. At approximately 8 feet below ground surface (BGS) backfill was no longer observed and a light yellow clayey soil was encountered, which was interpreted as undisturbed native soil.

Ultimately two excavations of 12' x 10' x 8' deep were completed. The two excavations were abutted each other. Approximately 30 cubic yards of material was excavated from each tank pit.

No groundwater was observed in either tank pit on the date of the environmental investigation, April 20, 2018. No evidence of saturated conditions, such as soil mottling, was present in either tank pit.

Field screening of soil did not identify the presence of any gasoline contamination in either tank pit. No gasoline odors were noticed by any persons at the work site. There was no soil staining observed. None of the approximately 15 soil samples screened by the PID registered the presence of VOCs.

With the concurrence of the Solano County Health Department inspector, two soil samples were collected from native soil under the center of each former tank pit. The pit bottom soil sample collection locations are indicated on *Plate 2.*

Undisturbed soil samples were collected using a hammer driven core sampler fitted with 2" diameter stainless steel inserts. The pit bottom soil samples were labeled "Pit Bottom East" and "Pit Bottom West". The samples were sealed, labeled, entered on a chain of custody record and then stored in an ice filled cooler pending transfer to the testing laboratory.

Both soil samples were submitted to McCampbell Analytical in Pittsburg for chemical testing. McCampbell was directed to test both samples for Total Petroleum Hydrocarbons in the gasoline range as well as gasoline constituents benzene, toluene, ethyl benzene and total xylenes (BTEX). McCampbell Analytical is certified by the State of California for the chemical analyses performed.

Analytical results are presented in *Table 1*. A copy of original McCampbell Analytical Report No. 1804D48, including the chain of custody record, is attached.

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
FORMER GASOLINE TANK PITS
Brann Ranch – Rio Vista
May 2018
(mg/kg)

Sample ID	TPH-gas	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MtBE
Tank Pit West	<1.0	<0.005	<0.005	<0.005	<0.015	<0.05
Tank Pit East	<1.0	<0.005	<0.005	<0.005	<0.015	<0.05

After review of the soil analytical results, the two former tank pits were once again backfilled.

Summary and Conclusions

Two underground gasoline tanks formerly were installed at the Brann Ranch, 7983 State Highway 12, Rio Vista. Both tanks were removed in the mid 1990's without any oversight, soil testing or documentation. The former tank pits were re-excavated in April 2018. No evidence of soil contamination was encountered based on field observations. A bottom soil sample was collected from each tank pit. The soil samples were chemically analyzed by a State certified laboratory. No detectable gasoline contamination was reported in either sample. It is concluded that neither tank leaked and that soil in the former tanks vicinity is uncontaminated. No additional investigation, testing or remediation is recommended.

Please contact me at 707-761-2307 or brian@westengineers.com for any additional information you may need.

Yours truly,

Brian W. West

Brian W. West PE
California RCE 32319 (exp 12/31/18)



BWW/dg

Attachments: Plate 1 - Former Tank Locations on Brann Ranch
Plate 2 - Tank Pit Bottom Soil Sample Collection Locations
McCampbell Analytical Report No. 1804D48

WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS

PO Box 5891, Vacaville, CA 95696

Project Name: Brann Ranch	**Date:** May 2018
Location: 7983 State Highway 12, Rio Vista	
Drawing By: DLG	**Scale:** See Below

Legend

PLATE 1
Former Underground Tank Site

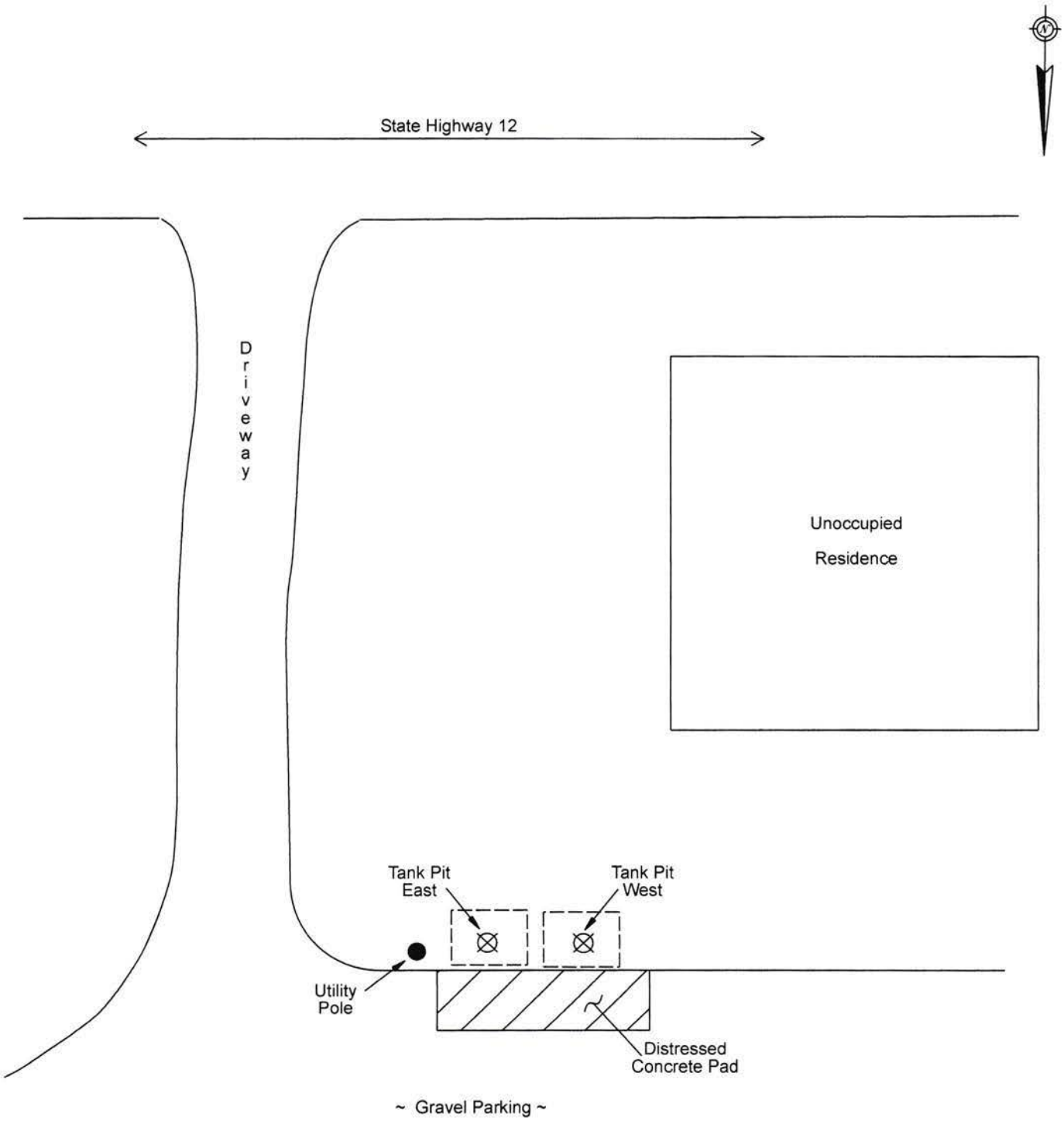


WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS
PO Box 5891, Vacaville, CA 95696

Project Name: Brann Ranch	**Date:** May 2018
Location: 7983 State Highway 12, Rio Vista	
Drawing By: DLG	**Scale:** No Scale

Legend
⊗ Soil Sample Collection Location

PLATE 2
Former Underground Tanks Locations



McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1804D48

Report Created for: West & Associates

630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Project Contact: Brian West
Project P.O.:
Project: Brann Home Ranch

Project Received: 04/24/2018

Analytical Report reviewed & approved for release on 04/30/2018 by:

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: West & Associates
Project: Brann Home Ranch
WorkOrder: 1804D48

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	West & Associates	**WorkOrder:**	1804D48
Date Received:	4/24/18 12:30	**Extraction Method:**	SW5030B
Date Prepared:	4/24/18	**Analytical Method:**	SW8021B/8015Bm
Project:	Brann Home Ranch	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Tank Pit East	1804D48-001A	Soil	04/20/2018 11:00	GC19 04251830.D	157088

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	04/26/2018 02:34
MTBE	ND	0.050	1	04/26/2018 02:34
Benzene	ND	0.0050	1	04/26/2018 02:34
Toluene	ND	0.0050	1	04/26/2018 02:34
Ethylbenzene	ND	0.0050	1	04/26/2018 02:34
Xylenes	ND	0.015	1	04/26/2018 02:34

Surrogates	REC (%)	Limits	
2-Fluorotoluene	84	62-126	04/26/2018 02:34

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Tank Pit West	1804D48-002A	Soil	04/20/2018 11:00	GC19 04251839.D	157088

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	04/26/2018 07:04
MTBE	ND	0.050	1	04/26/2018 07:04
Benzene	ND	0.0050	1	04/26/2018 07:04
Toluene	ND	0.0050	1	04/26/2018 07:04
Ethylbenzene	ND	0.0050	1	04/26/2018 07:04
Xylenes	ND	0.015	1	04/26/2018 07:04

Surrogates	REC (%)	Limits	
2-Fluorotoluene	83	62-126	04/26/2018 07:04

Analyst(s): IA

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Quality Control Report

Client:	West & Associates	**WorkOrder:**	1804D48
Date Prepared:	4/24/18	**BatchID:**	157088
Date Analyzed:	4/24/18	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Brann Home Ranch	**Sample ID:**	MB/LCS-157088 1804D69-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	1.0	-	-	-
MTBE	ND	0.050	-	-	-
Benzene	ND	0.0050	-	-	-
Toluene	ND	0.0050	-	-	-
Ethylbenzene	ND	0.0050	-	-	-
Xylenes	ND	0.015	-	-	-
Surrogate Recovery					
2-Fluorotoluene	0.0935		0.10	94	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.631	-	0.60	105	-	82-118	-	-
MTBE	0.0986	-	0.10	99	-	61-119	-	-
Benzene	0.108	-	0.10	108	-	77-128	-	-
Toluene	0.106	-	0.10	106	-	74-132	-	-
Ethylbenzene	0.108	-	0.10	108	-	84-127	-	-
Xylenes	0.326	-	0.30	109	-	86-129	-	-
Surrogate Recovery								
2-Fluorotoluene	0.0917	-	0.10	92	-	75-134	-	-

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	NR	NR		ND	NR	NR	-	NR	-
MTBE	NR	NR		ND	NR	NR	-	NR	-
Benzene	NR	NR		0.043	NR	NR	-	NR	-
Toluene	NR	NR		0.023	NR	NR	-	NR	-
Ethylbenzene	NR	NR		0.0078	NR	NR	-	NR	-
Xylenes	NR	NR		0.036	NR	NR	-	NR	-
Surrogate Recovery									
2-Fluorotoluene	NR	NR			NR	NR	-	NR	-

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1804D48 **ClientCode: WAA**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Brian West
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688
(707) 688-4404 FAX: (707) 447-0631

Email: bjacobsen@astound.net; brian@westengin
cc/3rd Party:
PO:
Project: Brann Home Ranch

Bill to:
Accounts Payable
West & Associates
630 Eubanks Ct, Unit #G
Vacaville, CA 95688

Requested TAT: 5 days;

Date Received: **04/24/2018**
Date Logged: **04/24/2018**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1804D48-001	Tank Pit East	Soil	4/20/2018 11:00	☐	A											
1804D48-002	Tank Pit West	Soil	4/20/2018 11:00	☐	A											

Test Legend:

1	G-MBTEX_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: WEST & ASSOCIATES
Client Contact: Brian West
Contact's Email: bjacobsen@astound.net; brian@westengineers.com;dganzer@westengineers.com

Project: Brann Home Ranch
Comments:

Work Order: 1804D48
QC Level: LEVEL 2
Date Logged: 4/24/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1804D48-001A	Tank Pit East	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/20/2018 11:00	5 days		☐	
1804D48-002A	Tank Pit West	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x3"	☐	4/20/2018 11:00	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1804D48

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Brian West — Bill To: Same
Company: West & Associates Environmental Engineers, Inc.
Email: brian@westengineers.com
Alt Email: — Tele: 707-761-2307
Project Name: Brann Home Ranch — Project #:
Project Location: 7983 Highway 12, Rio Vista — PO #
Sampler Signature: BWW

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis
Tank Pit East	4/20/18	11:00a	1	soil	cold	●														
Tank Pit West	4/20/18	11:00a	1	soil	cold	●														

Analysis Requested

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instruc

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Brian West	4/24/18	10:45	PTS	4/24/18	1045
PTS	4/24/18	1230	[signature]	4/24/18	1230

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials

Page

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Sample Receipt Checklist

Client Name:	**West & Associates**	Date and Time Received	**4/24/2018 12:30**
Project:	**Brann Home Ranch**	Date Logged:	**4/24/2018**
		Received by:	Agustina Venegas
WorkOrder №:	**1804D48** Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	Patrick Johnson (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 5.1°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

PROPERTY DETAIL REPORTS



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- View Online Property Information
- View Assessor Parcel Maps
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- News Releases
- County Holidays
- Marc's Biography

ABOUT SSL CERTIFICATES

View Online Property Information

Assessor's Assessment Number

0048-110-490

7983 State Highway 12
7985 State Highway 12
7987 State Highway 12
Rio Vista

Property Information

Acres	6.47	**Exemption**	$0
Lot Size	281,833	**Census**	2535.000
Tac	4021	**Tac Change No.**	347
Tac Last Year	4021	**Tac Year**	9293
Recorded Map	45 -0069	**Created on**	07/01/2004
Created By	Parcel Map	**Subdivison -**	
Use Code	1000 -	**Unit -** n/a **Lot -** 1 **Block -** n/a **Sublot -** n/a	

Property Characterisitcs

Quality Class	6.0	**Yr Built/Eff Age**	1940 / 1940	**Lot Description**	
Floor Area		**Rooms**		**Features**	
1st Floor	1,568	**Bedrooms**	3	**Fireplace**	0
2nd Floor	0	**Baths**	2.0	**Central Heating and Air**	
3rd Area	0	**Dining Room**	YS	**Swimming Pool**	None
Finished Basement	0	**Family Room**	NO	**Garage/Carport**	1,188 / 0
Add'l Area 0%	0	**Utility Room**	NO	**Non-Living Area**	0
		Other Rooms	1		
Total Area	**1,568**	**Total Rooms**	**7**	**Miscellaneous Building**	10,228

Values By Year

	2021/22	2020/21	2019/20	2018/19	2017/18
Status	AC	AC	AC	AC	AC
Tax Area Code	4021	4021	4021	4021	4021
Tac Last Year	4021	4021	4021	4021	4021
Use Code	1000	1000	1000	1000	1000
Exem Status	NA	NA	NA	NA	NA
	Full Values				
Land	$152,972	$151,404	$2,750	$2,697	$2,645
Improvements	$227,441	$225,109	$59,036	$57,879	$56,745
Mineral Rights	$0	$0	$0	$0	$0
Trees/Vines	$0	$0	$0	$0	$0
Personalty	$0	$0	$0	$0	$0
Fixtures	$0	$0	$0	$0	$0
Penalties	$0	$0	$0	$0	$0
Exemptions	$0	$0	$0	$0	$0
Total	**$380,413**	**$376,513**	**$61,786**	**$60,576**	**$59,390**

Printable Version



Options

- Assessor/Recorder Home
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- View Assessor Parcel Maps
- Download Forms
- Assessor/Recorder Role
- News Releases
- County Holidays
- Marc's Biography

ABOUT SSL CERTIFICATES

View Online Property Information

Assessor's Assessment Number

0048-110-100

7989 State Highway 12
Rio Vista

Property Information

Acres	0.45	**Exemption**	$0
Lot Size	19,577	**Census**	2535.000
Tac	4021	**Tac Change No.**	347
Tac Last Year	4021	**Tac Year**	9293
Recorded Map	n/a	**Created on**	//0
Created By	n/a	**Subdivison -**	
Use Code	1000 -	**Unit -** n/a **Lot -** n/a **Block -** n/a **Sublot -** n/a	

Property Characterisitcs

Quality Class	5.5	**Yr Built/Eff Age**	1946 / 1946	**Lot Description**	
Floor Area		**Rooms**		**Features**	
1st Floor	1,588	**Bedrooms**	4	**Fireplace**	0
2nd Floor	480	**Baths**	2.0	**No Heating or Air**	
3rd Area	0	**Dining Room**	YS	**Swimming Pool**	Concrete
Finished Basement	0	**Family Room**	NO	**Garage/Carport**	0 / 0
Add'l Area 0%	0	**Utility Room**	NO	**Non-Living Area**	0
		Other Rooms	0		
Total Area	**2,068**	**Total Rooms**	**7**	**Additional Living Unit**	576

Zoning Information

Acres	0.45	**Tax Rate Area**	4021
Zone 1	CITY	**Census Tract**	2535.000
Zone 2	n/a	**Use Code**	1000
Zone 2 Acres	0.00	**Planning file**	n/a
			n/a
Ag Preserve	n/a	**Land Division number**	n/a
Ag Preserve Status	No status on file	**Land Division Date**	n/a
Variance No.	n/a	**PUD Number**	n/a

Values By Year

	2021/22	2020/21	2019/20	2018/19	2017/18
Status	AC	AC	AC	AC	AC
Tax Area Code	4021	4021	4021	4021	4021
Tac Last Year	4021	4021	4021	4021	4021
Use Code	1000	1000	1000	1000	1000
Exem Status	NA	NA	NA	NA	NA
	Full Values				
Land	$9,051	$8,959	$8,784	$8,612	$8,444
Improvements	$49,224	$48,720	$47,765	$46,829	$45,911
Mineral Rights	$0	$0	$0	$0	$0
Trees/Vines	$0	$0	$0	$0	$0
Personalty	$0	$0	$0	$0	$0
Fixtures	$0	$0	$0	$0	$0
Penalties	$0	$0	$0	$0	$0
Exemptions	$0	$0	$0	$0	$0

AERIAL PHOTOGRAPHS
HISTORICAL TOPOGRAPHIC MAPS
CERTIFIED SANBORN MAP REPORT
CITY DIRECTORIES

Brann Ranch

7989 Highway 12

Rio Vista, CA 94571

Inquiry Number: 6653868.11

September 08, 2021

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

09/08/21

Site Name:

Brann Ranch
7989 Highway 12
Rio Vista, CA 94571
EDR Inquiry # 6653868.11

Client Name:

GeoSolve
1807 Santa Rita Road
Pleasanton, CA 94566-0000
Contact: Robert Campbell

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

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1993	1"=500'	Acquisition Date: January 01, 1993	USGS/DOQQ
1984	1"=500'	Flight Date: September 01, 1984	USDA
1974	1"=500'	Flight Date: April 11, 1974	USGS
1972	1"=500'	Flight Date: July 06, 1972	USDA
1968	1"=500'	Flight Date: May 28, 1968	USGS
1952	1"=500'	Flight Date: August 02, 1952	USDA
1937	1"=500'	Flight Date: August 20, 1937	USDA

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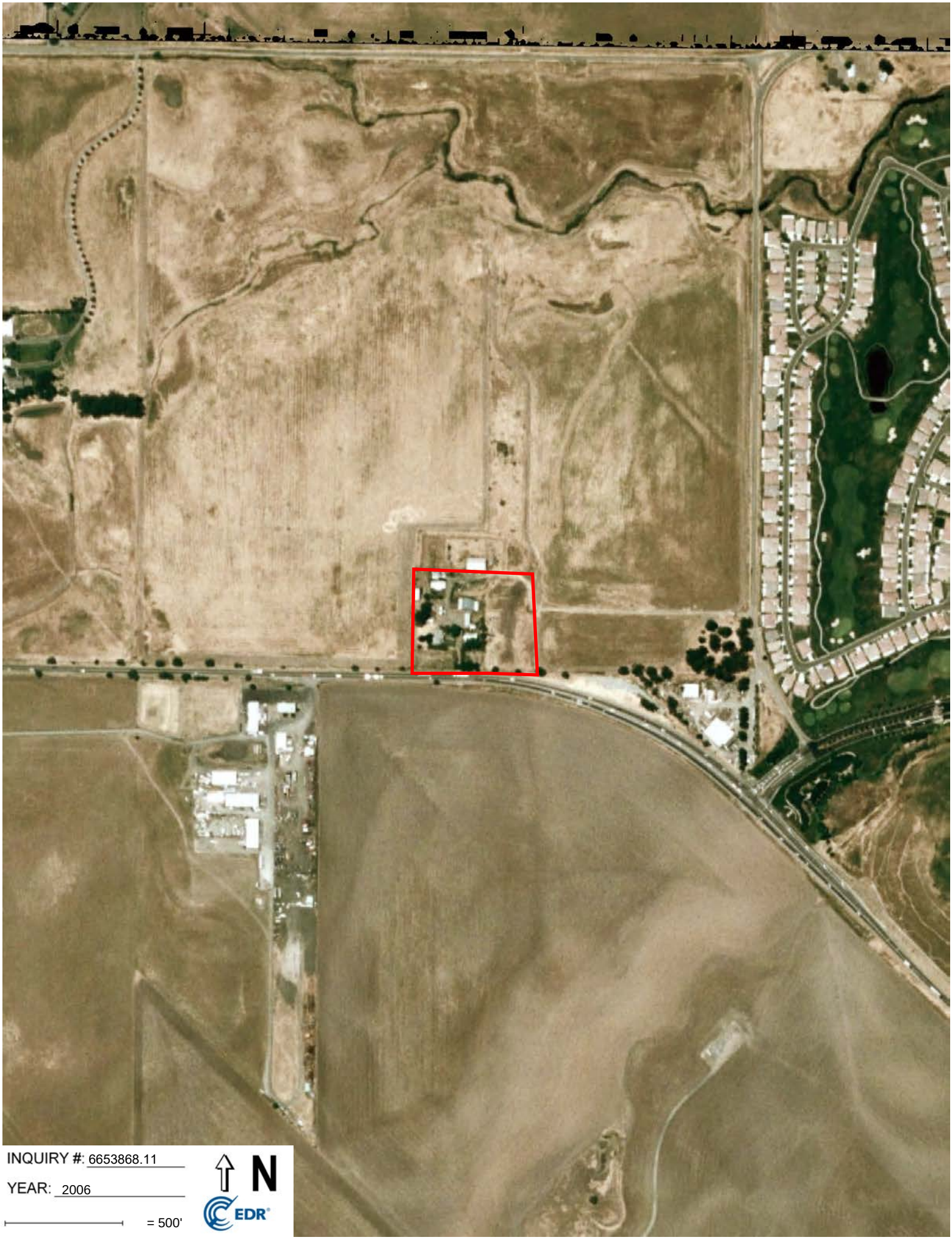
INQUIRY #: 6653868.11
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 6653868.11
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 6653868.11
YEAR: 2009
= 500'
N
EDR



INQUIRY #: 6653868.11

YEAR: 2006

= 500'

N

EDR


INQUIRY #: 6653868.11
YEAR: 1993
= 500'
N
EDR



INQUIRY #: 6653868.11

YEAR: 1984

= 500'

N

EDR



INQUIRY #: 6653868.11

YEAR: 1974

= 500'

N

EDR



INQUIRY #: 6653868.11

YEAR: 1972

= 500'

N

EDR


INQUIRY #: 6653868.11
YEAR: 1968
= 500'
N
EDR



INQUIRY #: 6653868.11

YEAR: 1952

= 500'

N

EDR



INQUIRY #: 6653868.11

YEAR: 1937

= 500'

N

EDR

Brann Ranch
7989 Highway 12
Rio Vista, CA 94571

Inquiry Number: 6653868.4
September 08, 2021

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

09/08/21

Site Name:

Brann Ranch
7989 Highway 12
Rio Vista, CA 94571
EDR Inquiry # 6653868.4

Client Name:

GeoSolve
1807 Santa Rita Road
Pleasanton, CA 94566-0000
Contact: Robert Campbell

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by GeoSolve 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.# 2021-26
Project: 2021-26

Coordinates:

Latitude:	38.183595 38° 11' 1" North
Longitude:	-121.727384 -121° 43' 39" West
UTM Zone:	Zone 10 North
UTM X Meters:	611455.34
UTM Y Meters:	4226950.84
Elevation:	51.75' above sea level

Maps Provided:

2012
1993
1978
1968
1953
1952
1910

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Topo Sheet Key

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

2012 Source Sheets



Birds Landing
2012
7.5-minute, 24000



Rio Vista
2012
7.5-minute, 24000

1993 Source Sheets



Rio Vista
1993
7.5-minute, 24000
Aerial Photo Revised 1974

1978 Source Sheets



Birds Landing
1978
7.5-minute, 24000
Aerial Photo Revised 1968



Rio Vista
1978
7.5-minute, 24000
Aerial Photo Revised 1974

1968 Source Sheets



Birds Landing
1968
7.5-minute, 24000
Aerial Photo Revised 1968

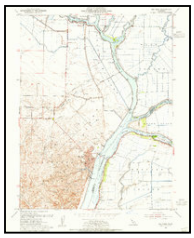


Rio Vista
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Topo Sheet Key

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

1953 Source Sheets

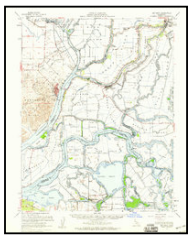


Rio Vista
1953
7.5-minute, 24000
Aerial Photo Revised 1949



Birds Landing
1953
7.5-minute, 24000
Aerial Photo Revised 1949

1952 Source Sheets



Rio Vista
1952
15-minute, 62500
Aerial Photo Revised 1949

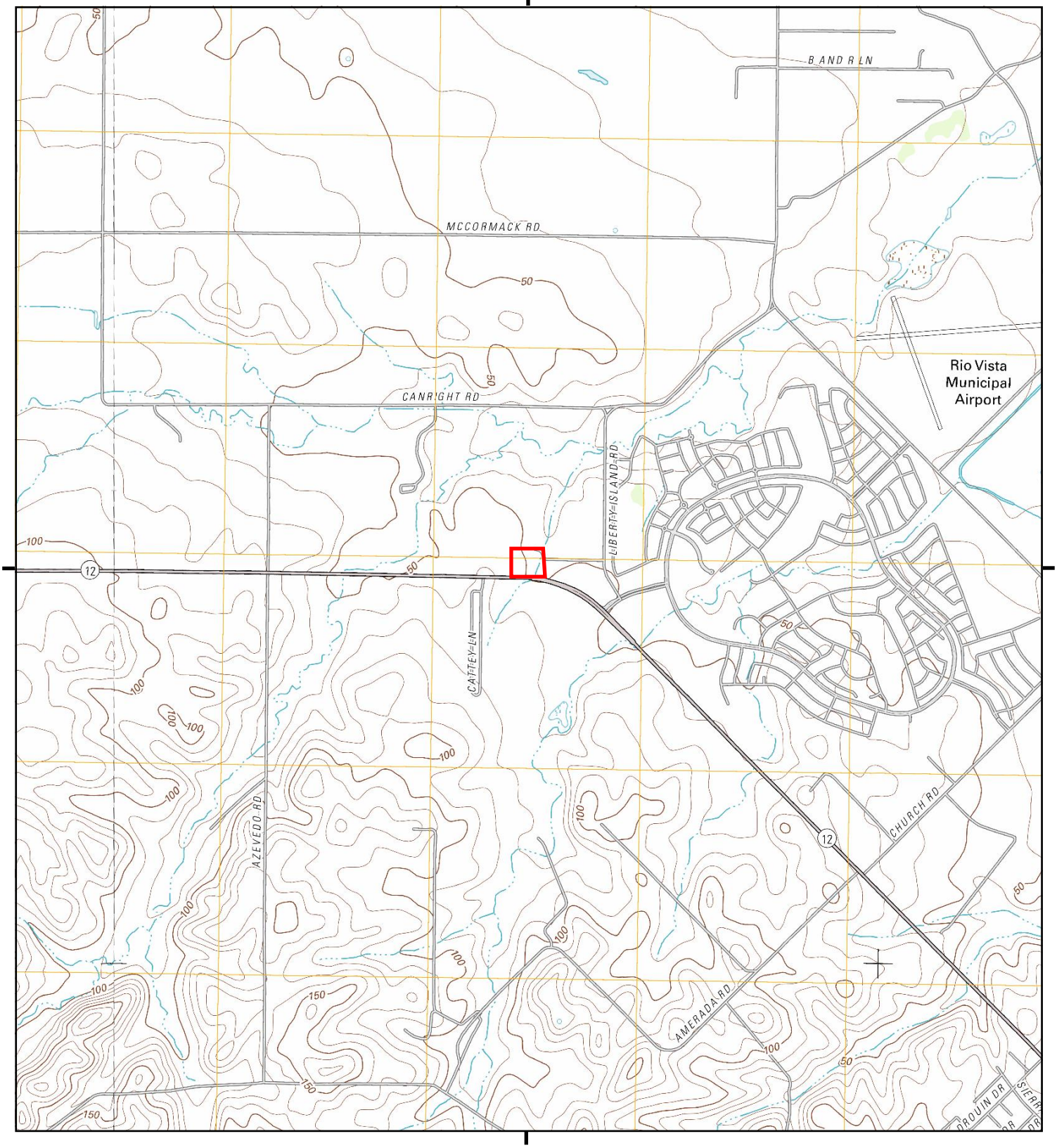
1910 Source Sheets



Rio Vista
1910
7.5-minute, 31680

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

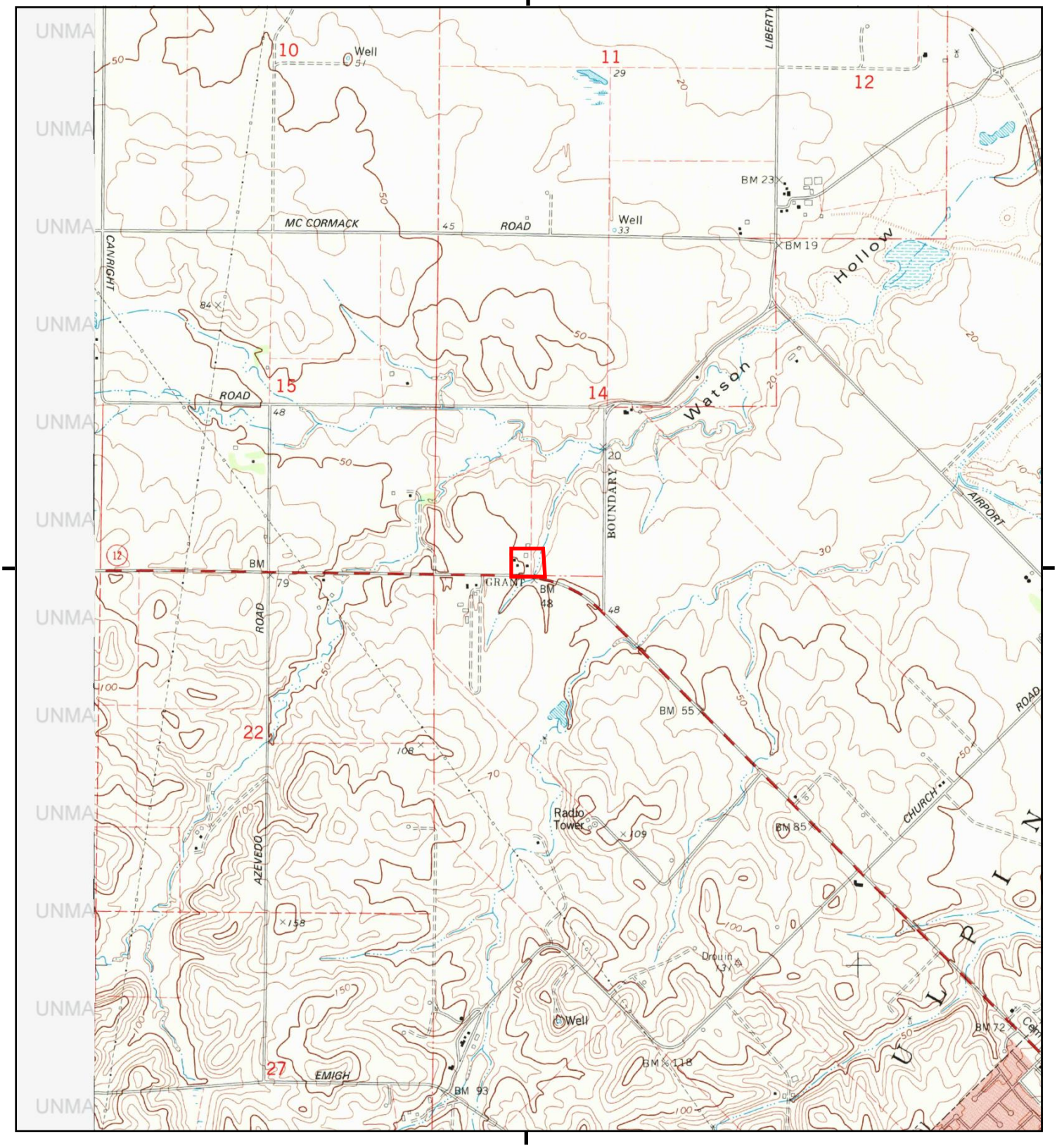
TP, Rio Vista, 2012, 7.5-minute
W, Birds Landing, 2012, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: 7989 Highway 12
Rio Vista, CA 94571
CLIENT: GeoSolve

N

Historical Topo Map

1993



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

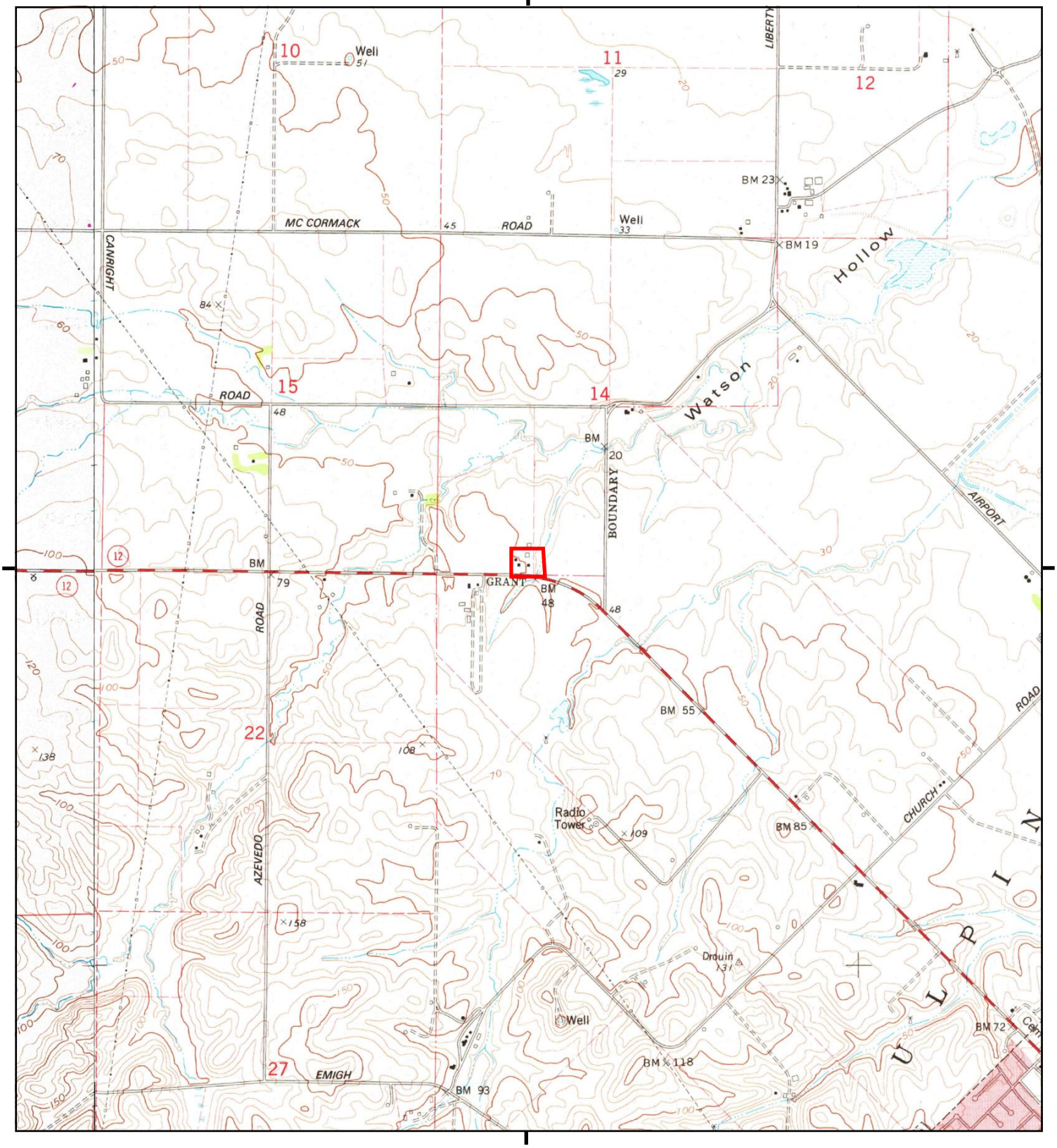
TP, Rio Vista, 1993, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: 7989 Highway 12
Rio Vista, CA 94571
CLIENT: GeoSolve

N

Historical Topo Map

1978



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

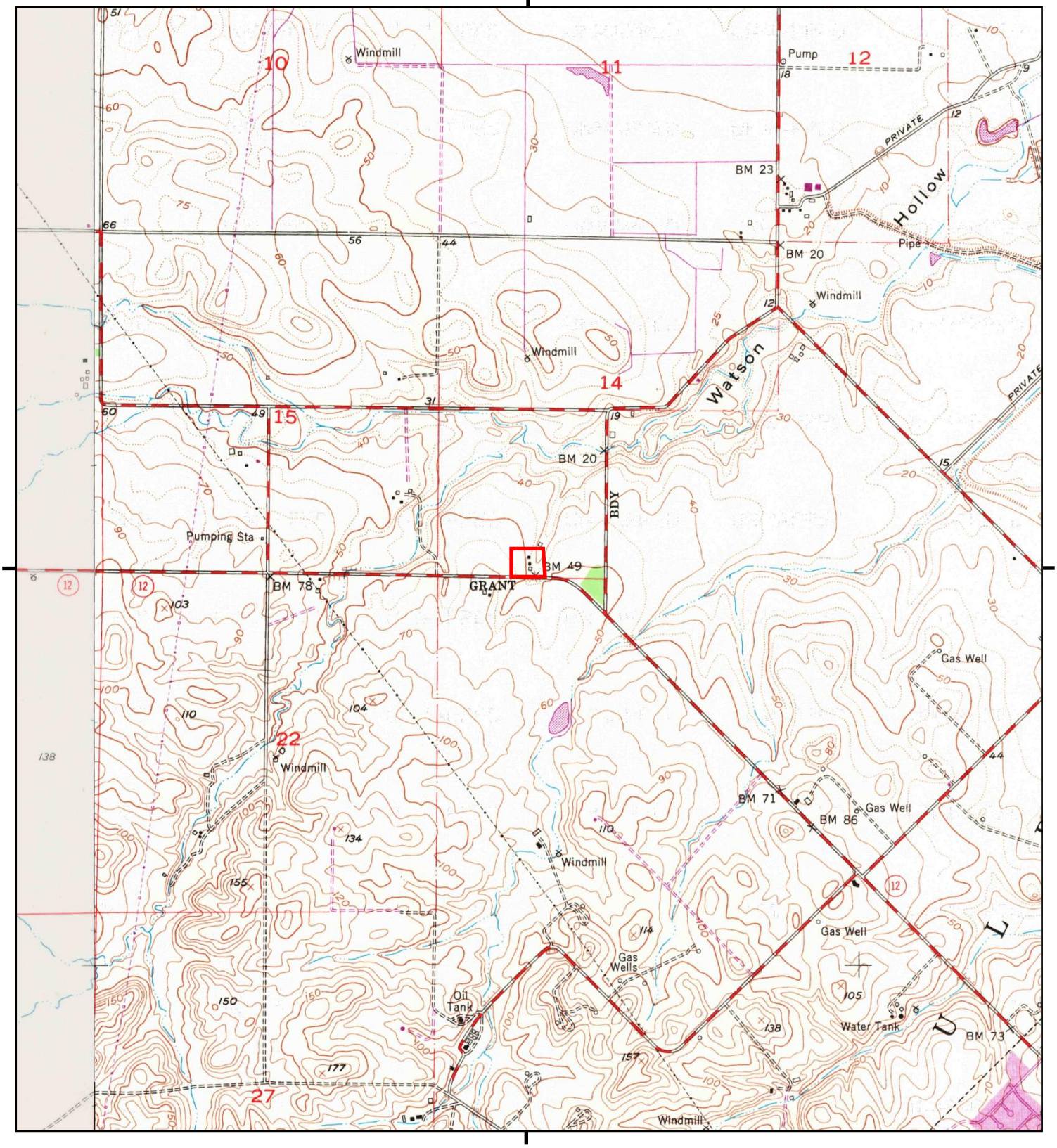
TP, Rio Vista, 1978, 7.5-minute
W, Birds Landing, 1978, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: 7989 Highway 12
Rio Vista, CA 94571
CLIENT: GeoSolve

N

Historical Topo Map

1968



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

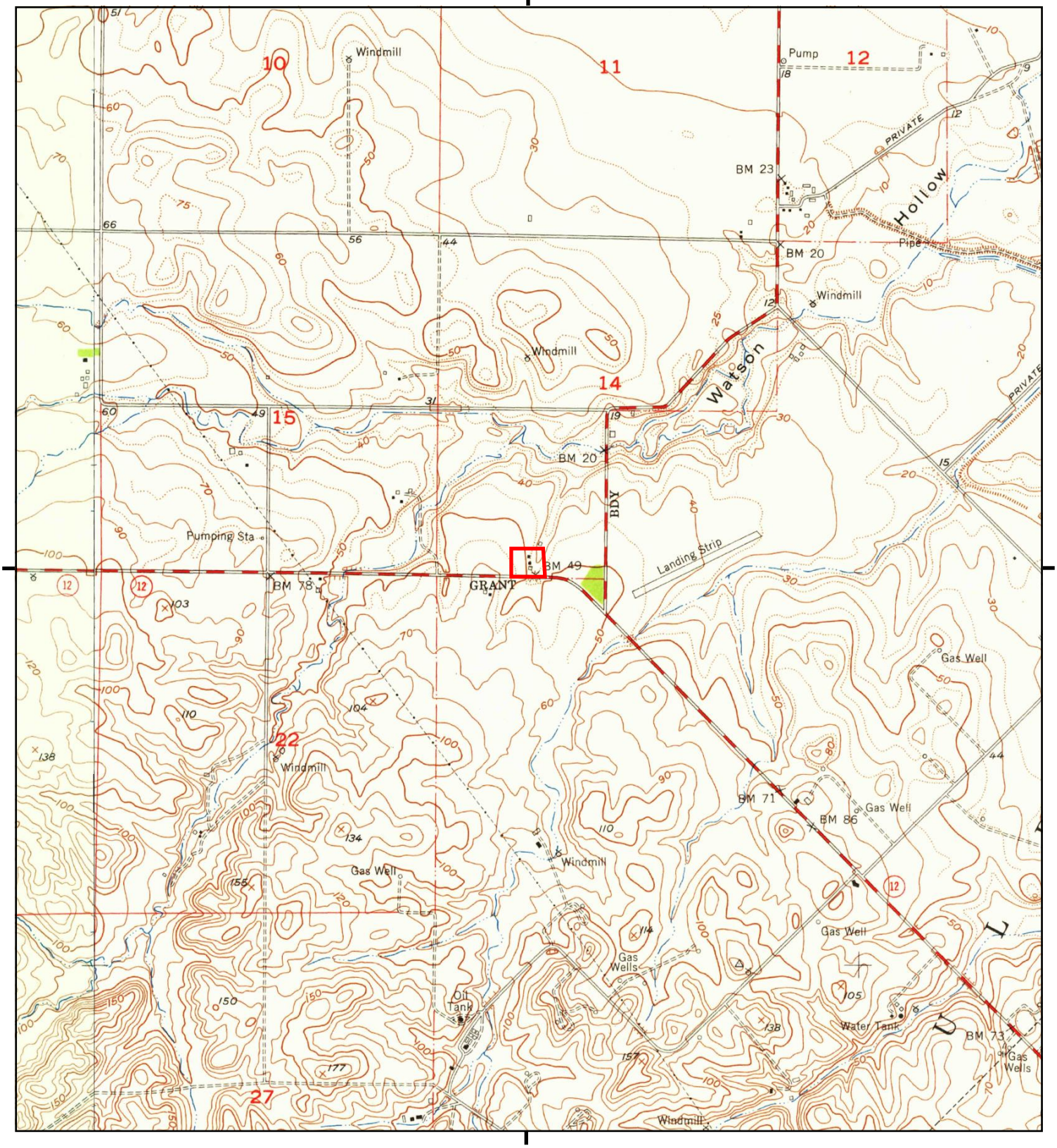
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Rio Vista, 1968, 7.5-minute
W, Birds Landing, 1968, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: 7989 Highway 12
Rio Vista, CA 94571
CLIENT: GeoSolve

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

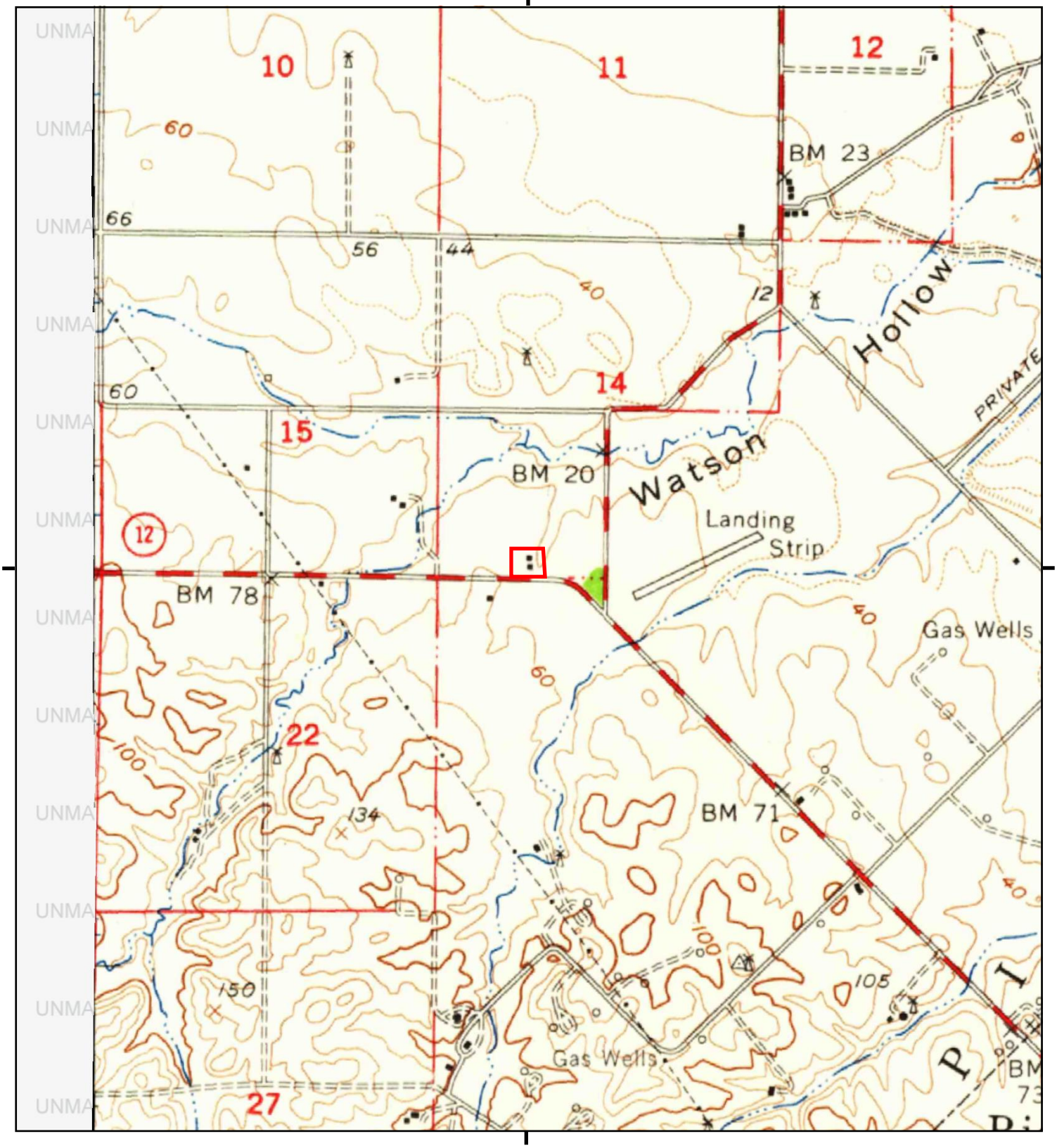
TP, Rio Vista, 1953, 7.5-minute
W, Birds Landing, 1953, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: 7989 Highway 12
Rio Vista, CA 94571
CLIENT: GeoSolve

N

Historical Topo Map

1952



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

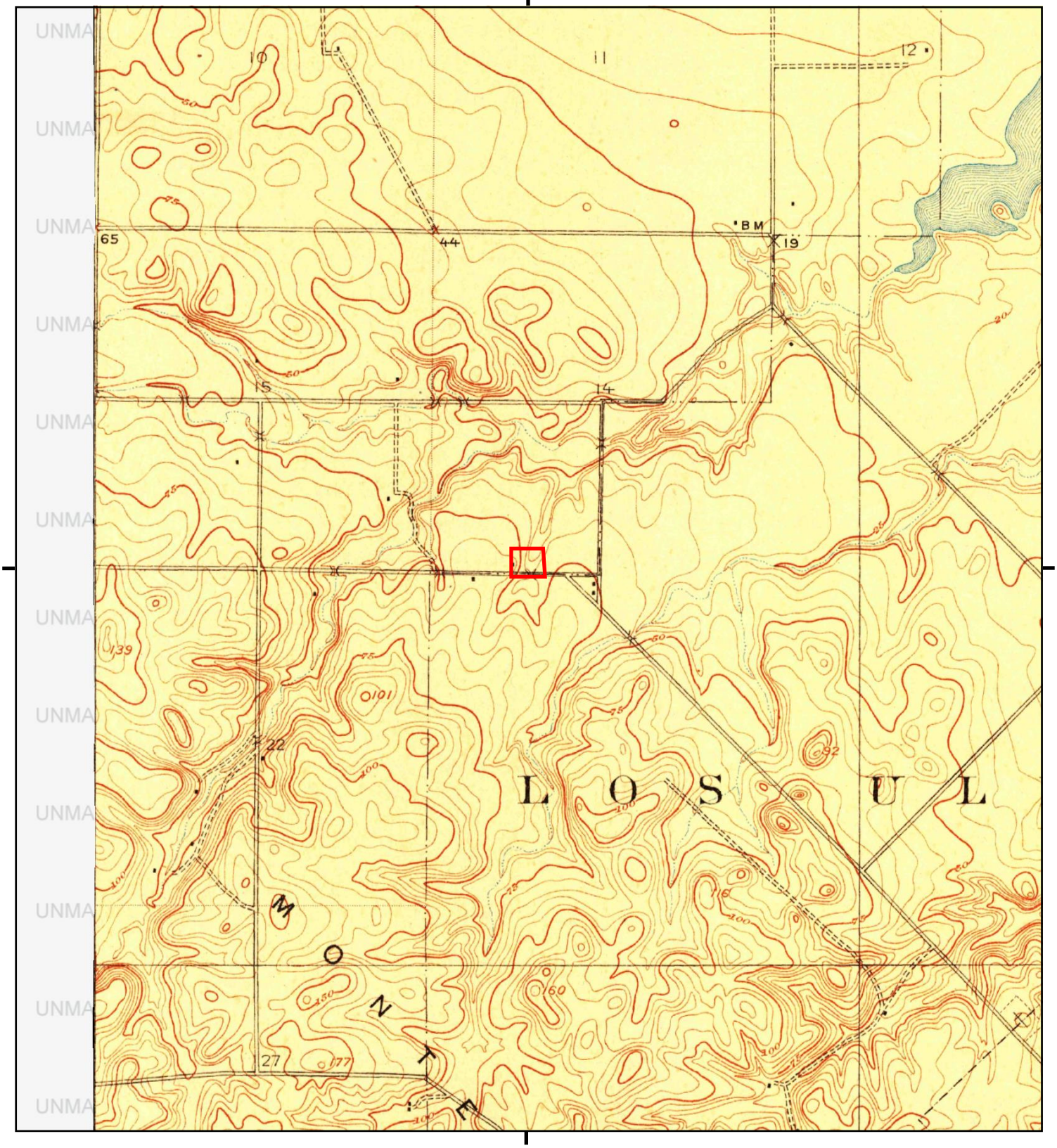
TP, Rio Vista, 1952, 15-minute

SITE NAME: Brann Ranch
ADDRESS: 7989 Highway 12
Rio Vista, CA 94571
CLIENT: GeoSolve

N

Historical Topo Map

1910



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, Rio Vista, 1910, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: 7989 Highway 12
Rio Vista, CA 94571
CLIENT: GeoSolve

N

BRANN RANCH
7989 HIGHWAY 12
RIO VISTA, CA 94571

Inquiry Number: 6653868.7S
SEPTEMBER 10, 2021

EDR Environmental Lien and AUL Search

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

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

BRANN RANCH
7989 HIGHWAY 12
RIO VISTA, CA 94571

RESEARCH SOURCE

Source 1: SOLANO COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	GRANT DEED
Title is vested in:	THE BOBBY R. JOHNSON AND EDNA S. JOHNSON 2001 TRUST
Title received from:	EDNA SUE JOHNSON (1/4 INTEREST)
Date Executed:	10/11/2019
Date Recorded:	11/04/2019
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	201900079472
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

Deed 2

Type of Deed:	GRANT DEED
Title is vested in:	EDNA SUE JOHNSON (1/4 INTEREST), NAOMA RUTH RIDDLE (1/4), WILLIAM CLYDE BRANN (1/4), AND JOHN ARTHUR BRANN (1/4)
Title received from:	THE WILLIAM A. AND DORIS V. BRANN LIVING TRUST
Date Executed:	04/27/2016
Date Recorded:	05/03/2016
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	201600035659
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

EDR Environmental Lien and AUL Search

Deed 3

Type of Deed:	GRANT DEED
Title is vested in:	THE WILLIAM A. AND DORIS V. BRANN LIVING TRUST
Title received from:	WILLIAM A. BRANN
Date Executed:	04/06/2001
Date Recorded:	09/12/2001
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	200100104618
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

Legal Description:	SEC 14 T4N R2E; SEC 14; TWN 04N; RNG 02E
Current Owner:	THE BOBBY R. JOHNSON AND EDNA S. JOHNSON 2001 TRUST (1/4 INTEREST), NAOMA RUTH RIDDLE (1/4), WILLIAM CLYDE BRANN (1/4), AND JOHN ARTHUR BRANN (1/4)
Property Identifiers:	0048-110-100
Comments:	NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

DEED EXHIBIT

Recorded in Official Records of Solano County
Marc C. Tonnesen
Assessor/Recorder

11/4/2019
2:10:56 PM
AR21
06

LAW OFFICES OF TOBEY & ARNAL

Doc # **201900079472**

Titles:	1	Pages:	3
Fees			$29.00
Taxes			$0.00
SB2 Fee			$75.00
Other			$0.00
Paid			$104.00

Recording requested by:
and when recorded, mail to:

Bobby R. Johnson and
Edna S. Johnson, Trustees
156 Sheriden Street
Middleton, ID 83644

SPACE ABOVE THIS LINE FOR RECORDER'S USE

APN 0048-110-100

GRANT DEED

The undersigned grantor declares:

Documentary Transfer Tax:	$0.00; California Revenue & Tax Code §11930 ; Grantee is a Trust For Benefit of Grantor and Grantor's spouse
GC §27388.1 Exemption:	Exemption not applicable; subject to $75.00 fee

For no consideration, receipt of which is hereby acknowledged, EDNA SUE JOHNSON, a married woman as her sole and separate property, as to the entirety of her undivided one fourth (1/4) interest in the real property hereafter described,

hereby grants to BOBBY R. JOHNSON and EDNA S. JOHNSON, as Co-Trustees of BOBBY R. JOHNSON AND EDNA S. JOHNSON 2001 TRUST, u/a dated May 17, 2001

that real property located in City of Rio Vista, County of Solano, State of California, described as follows: See Exhibit A, attached hereto and made a part hereof.

Date: 10-11-19

Edna Sue Johnson
EDNA SUE JOHNSON

Mail tax statements to:
Name and address listed above

NOTARY ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF Idaho

County of Canyon

On 10/11, 2019 before me, Marcy Rae Valadez, Notary Public, personally appeared

EDNA SUE JOHNSON

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are/is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument, the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public 8/16/2024

MARCEY RAE VALADEZ
COMMISSION #60131
NOTARY PUBLIC
STATE OF IDAHO
MY COMMISSION EXPIRES 08/16/2024

EXHIBIT "A"

Beginning at a point on the North property line of the State Highway between Fairfield and Rio Vista, said point being 1388.8 feet East of the point marking the corners of Sections 14, 15, 22 and 23, in Township 4 North, Range 2 East, and 32 feet North of the line between said Sections 14 and 23, which marks the approximate centerline of said State Highway, said point being, further described as being Station 524103, on State Highway Plans marked 111-Sol-53-B. and proceeding thence Northerly 201 feet, Easterly 100.90 feet. Southerly 201 feet. and Westerly 100.90 feet to the point of beginning, containing 0.47 acres of land, more or less. all in the Southwest ¼ of Section 14. Township 4 North, Range 2 East, Solano County, California, being part of the land owned by C. B. Brann. described in Book 290 of Deeds. page 307. recorded October 30, 1926, in the Office of the Solano County Recorder.

APN: 0048-110-100

END OF DOCUMENT

Recorded in Official Records, Solano County

Marc C. Tonnesen
Assessor/Recorder

5/03/2016
12:39 PM
AR64
06

P Jon Blegen

Doc#: 201600035659

Titles: 1 Pages: 3

Fees	29.00
Taxes	0.00
Other	0.00
PAID	$29.00

RECORDING REQUESTED BY)
WHEN RECORDED MAIL TO)
)
JON A. BLEGEN – BAR # 53177)
Attorney at Law)
36 North Front Street)
Rio Vista, CA 94571)
)
MAIL TAX STATEMENTS TO:)
)
EDNA SUE JOHNSON)
132 Renz Lane)
Geyserville, CA 95441)
)

SPACE ABOVE THIS LINE FOR RECORDERS USE

GRANT DEED

THE UNDERSIGNED GRANTOR DECLARES
DOCUMENTARY TRANSFER TAX IS $ -0-
APN: 0048-110-100

( ) UNINCORPORATED AREA (X) City of Rio Vista
( ) computed on full value of interest or property conveyed, or
( ) computed on full value less value of liens or encumbrances remaining at time of sale, and
(X) Realty not sold

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

EDNA SUE JOHNSON, SUCCESSOR TRUSTEE OF THE WILLIAM A. AND DORIS V. BRANN LIVING TRUST AGREEMENT DATED MARCH 21, 2001

hereby GRANTS:

An undivided one-fourth (1/4) interest to EDNA SUE JOHNSON, a married woman as her sole and separate property, an undivided one-fourth (1/4) interest to NAOMA RUTH RIDDLE, a married woman as her sole and separate property, an undivided one-fourth (1/4) interest to WILLIAM CLYDE BRANN, a married man as his sole and separate property, and an undivided one-fourth (1/4) interest to JOHN ARTHUR BRANN, a married man as his sole and separate property, all as tenants in common, in the real property located in the City of Rio Vista, County of Solano, State of California described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND INCORPORATED HEREIN BY THIS REFERENCE

Dated: 4-27-2016

Edna Sue Johnson
EDNA SUE JOHNSON

SEE ATTACHED NOTARY FORM

4/27/16

CERTIFICATE OF ACKNOWLEDGMENT

OF NOTARY PUBLIC

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

COUNTY OF

On, Apr. 27, 2016, before me Dawn Pool, Notary Public, personally appeared EDNA SUE JOHNSON who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he~~/she/~~they~~ executed the same in ~~his~~/her/~~their~~ authorized capacity, and that by ~~his~~/her/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the persons acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

NOTARY SEAL

Dawn Pool

Signature of Notary Public

DAWN POOL
Commission # 2059796
Notary Public - California
Sonoma County
My Comm. Expires Mar 2, 2018

EXHIBIT "A"

Beginning at a point on the North property line of the State Highway between Fairfield and Rio Vista, said point being 1388.8 feet East of the point marking the corners of Sections 14, 15, 22 and 23, in Township 4 North, Range 2 East, and 32 feet North of the line between said Sections 14 and 23, which marks the approximate centerline of said State Highway, said point being, further described as being Station 524103, on State Highway Plans marked 111-Sol-53-B, and proceeding thence Northerly 201 feet, Easterly 100.90 feet, Southerly 201 feet, and Westerly 100.90 feet to the point of beginning, containing 0.47 acres of land, more or less, all in the Southwest ¼ of Section 14, Township 4 North, Range 2 East, Solano County, California, being part of the land owned by C. B. Brann, described in Book 290 of Deeds, page 307, recorded October 30, 1926, in the Office of the Solano County Recorder.

APN: 0048-110-100

END OF DOCUMENT

RECORDING REQUESTED BY
WHEN RECORDED MAIL TO

JON A. BLEGEN – BAR # 53177
Attorney at Law
36 North Front Street
Rio Vista, CA 94571

MAIL TAX STATEMENTS TO:

William A. Brann
7989 State Highway 12
Rio Vista, CA 94571

2001-00104618
Recorded By: ATTORNEY SHOWN
Official Records
County of Solano
Robert Blechschmidt
Assessor/Recorder

14:08 12-SEP-01

06	RecFee	13.00
	SurMon	10.00
	NoPCOR	
	IncFee	
	DTTax	
	Check	$ 23.00
	OvrSht	
AR21	3	Pgs

SPACE ABOVE THIS LINE FOR RECORDERS USE

APN: 0048-110-100

GRANT DEED
(TO REVOCABLE TRUST)

The Grantor, William A. Brann, hereby declares:

This transfer is not pursuant to a sale and is exempt from Documentary Transfer Tax.

This transfer is a "trust transfer" under Section 62 of the Revenue and Taxation Code, i.e., a transfer to a revocable trust, and does not constitute a "change in ownership" for property tax purposes.

NOW THEREFORE, WILLIAM A. BRANN, a married man as his separate property, hereby grants to WILLIAM A. BRANN AND DORIS V. BRANN, AS TRUSTEES, OR THEIR SUCCESSORS AS TRUSTEES, OF THE WILLIAM A. AND DORIS V. BRANN LIVING TRUST AGREEMENT DATED MARCH 21, 2001, that property in Solano County, California described as:

SEE EXHIBIT "A" ATTACHED HERETO AND
INCORPORATED HEREIN BY THIS REFERENCE

Dated: April 6, 2001

William A Brann
WILLIAM A. BRANN

EXHIBIT "A"

Beginning at a point on the North property line of the State Highway between Fairfield and Rio Vista, said point being 1388.8 feet East of the point marking the corners of Sections 14, 15, 22 and 23, in Township 4 North, Range 2 East, and 32 feet North of the line between said Sections 14 and 23, which marks the approximate centerline of said State Highway, said point being, further described as being Station 524103, on State Highway Plans marked 111-Sol-53-B, and proceeding thence Northerly 201 feet, Easterly 100.90 feet, Southerly 201 feet, and Westerly 100.90 feet to the point of beginning, containing 0.47 acres of land, more or less, all in the Southwest ¼ of Section 14, Township 4 North, Range 2 East, Solano County, California, being part of the land owned by C. B. Brann, described in Book 290 of Deeds, page 307, recorded October 30, 1926, in the Office of the Solano County Recorder.

APN: 0048-110-100

CERTIFICATE OF ACKNOWLEDGMENT

OF NOTARY PUBLIC

STATE OF CALIFORNIA

COUNTY OF SOLANO

On April 6, 2001, before me, the undersigned Notary Public, personally appeared WILLIAM A. BRANN,

(X) personally known to me

( ) proved to me on the basis of satisfactory evidence

to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY SEAL

Dona Lee Lucky
Notary Public

DONA LEE LUCKY
Commission # 1200995
Notary Public — California
Solano County
My Comm. Expires Nov 13, 2002

END OF DOCUMENT

BRANN RANCH
7989 HIGHWAY 12
RIO VISTA, CA 94571

Inquiry Number: 6653868.7S
SEPTEMBER 17, 2021

EDR Environmental Lien and AUL Search

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

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

BRANN RANCH
7989 HIGHWAY 12
RIO VISTA, CA 94571

RESEARCH SOURCE

Source 1: SOLANO COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	GRANT DEED
Title is vested in:	BOBBY R JOHNSON AND EDNA S JOHNSON, CO-TRUSTEES OF TEH BOBBY R JOHNSON AND EDNA S JOHNSON 2001 TRUST
Title received from:	EDNA SUE JOHSNON
Date Executed:	10/11/2019
Date Recorded:	11/04/2019
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	20190007943
Docket:	NA
Land Record Comments:	1/8 INTEREST
Miscellaneous Comments:	NA

Deed 2

Type of Deed:	GRANT DEED
Title is vested in:	TIMOTHY D TARON, TRUSTEE OF THE BRANN IRREVOCABLE TRUST
Title received from:	TIMOTHY D TARON, TRUSTEE OF THE RICHARD BRANN REVOCABLE TRUST
Date Executed:	NA
Date Recorded:	06/25/2019
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	201900040516
Docket:	NA
Land Record Comments:	1/2 INTEREST
Miscellaneous Comments:	NA

EDR Environmental Lien and AUL Search

Deed 3

Type of Deed:	GRANT DEED
Title is vested in:	EDNA SUE JOHNSON (1/8), NAOMA RUTH RIDDLE (1/8), WILLIAM CLYDE BRANN (1/8) AND JOHN ARTHUR BRANN (1/8)
Title received from:	EDNA SUE JOHNSON, SUCCESSOR TRUSTEE OF THE WILLIAM A AND DORIS V BRANN LIVING TRUST
Date Executed:	NA
Date Recorded:	05/03/2016
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	201600035660
Docket:	NA
Land Record Comments:	VESTING DEED FOR NAOMA RIDDLE (1/8) AND JOHN ARTHUR BRANN (1/8) AND WILLIAM CLYDE BRANN (1/8)
Miscellaneous Comments:	NA

Legal Description:	SUB BK-PG 45-69 LOT 1
Current Owner:	TIMOTHY D TARON, TRUSTEE OF THE BRANN IRREVOCABLE TRUST; BOBBY R JOHNSON AND EDNA S JOHNSON, CO-TRUSTEES OF TEH BOBBY R JOHNSON AND EDNA S JOHNSON 2001 TRUST; NAOMA RUTH RIDDLE, WILLIAM CLYDE BRANN; JOHN ARTHUR BRANN
Property Identifiers:	0048-110-490
Comments:	NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

DEED EXHIBIT

Recorded In Official Records of Solano County
Marc C. Tonnesen
Assessor/Recorder

11/4/2019
2:10:56 PM
AR21
06

LAW OFFICES OF TOBEY & ARNAL

Doc # **201900079473**

Titles:	1	Pages:	3
Fees			$19.00
Taxes			$0.00
SB2 Fee			$75.00
Other			$0.00
Paid			$94.00

Recording requested by:
and when recorded, mail to:

Bobby R. Johnson and
Edna S. Johnson, Trustees
156 Sheriden Street
Middleton, ID 83644

SPACE ABOVE THIS LINE FOR RECORDER'S USE

APN 0048-110-490

GRANT DEED

The undersigned grantor declares:

Documentary Transfer Tax:	$0.00; California Revenue & Tax Code §11930 ; Grantee is a Trust For Benefit of Grantor and Grantor's spouse
GC §27388.1 Exemption:	Exemption not applicable; subject to $75.00 fee

For no consideration, receipt of which is hereby acknowledged, EDNA SUE JOHNSON, a married woman as her sole and separate property, as to the entirety of her undivided one eighth (1/8) interest in the real property hereafter described,

hereby grants to BOBBY R. JOHNSON and EDNA S. JOHNSON, as Co-Trustees of BOBBY R. JOHNSON AND EDNA S. JOHNSON 2001 TRUST, u/a dated May 17, 2001

that real property located in City of Rio Vista, County of Solano, State of California, described as follows: See Exhibit A, attached hereto and made a part hereof.

Date: 10-11-19

Edna Sue Johnson
EDNA SUE JOHNSON

Mail tax statements to:
William Clyde Brann, Ernest A. Fatta, Jr. & Amee M. Fatta
7987 State Hwy 12
Rio Vista, CA 94571

NOTARY ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF Idaho

County of Canyon

On Oct. 11, 2019 before me, Marcey Rae Valadez Notary Public, personally appeared

EDNA SUE JOHNSON

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are/is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument, the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public 8/16/2024

MARCEY RAE VALADEZ
COMMISSION #60131
NOTARY PUBLIC
STATE OF IDAHO
MY COMMISSION EXPIRES 08/16/2024

EXHIBIT A

The real property referred to is situated in the County of Solano, City of Rio Vista, State of California, and is described as follows:

Lot 1, as shown on Parcel Map "Brann Property", filed July 1, 2004 in Book 45 of Parcel Maps, Page 69, 70 and 71, Solano County Records.

APN 0048-110-490.

EXCEPTING THEREFROM:

The parcel of land described in to the State of California, recorded April, 4, 2013, Series No. 201300033758, Solano County Records.

ALSO EXCEPTING THEREFROM:

All of the minerals of every kind, including, but not limited to, oil, gas, geothermal steam, casinghead gas, asphaltum and other hydrocarbons and chemical gas now or hereafter found, situated or located in all or any portion of Lot 1 lying more than five hundred feet (500') below the surface thereof, together with the right to slant drill for and remove all or any of said gas, oil, casinghead gas, asphaltum and other hydrocarbons or chemical gas lying below a depth of more than five hundred feet (500') below the surface thereof including the right to grant leases for all or any of said purposes, but without any right whatsoever to enter upon the surface of said lands or any portion thereof within five hundred feet (500') vertical distance below the surface thereof, as described in Grant Deed recorded August 30, 2019, Document #201900059951, Solano County Records, and the reservation in Grant Deed recorded August 30, 2019, Document #201900059721, Solano County Records.

END OF DOCUMENT

Recording requested by:
and when recorded, mail to:

TIMOTHY D. TARON, Trustee
Brann Irrevocable Trust
3102 Barberry Lane
Sacramento, CA 95864

Recorded in Official Records of Solano County
Marc C. Tonnesen
Assessor/Recorder
ATTORNEY
Doc # 201900040516

6/25/2019
2:09:25 PM
AR51
06

Titles: 1 Pages: 10

Fees	$40.00
Taxes	$0.00
SB2 Fee	$75.00
Other	$0.00
Paid	$115.00

SPACE ABOVE THIS LINE FOR RECORDER'S USE

GRANT DEED

The undersigned declares:

Documentary Transfer Tax:	No Consideration; Reason of Death
GC §27388.1 Exemption:	No exemption; subject to $75.00 fee

For no consideration

TIMOTHY D. TARON, Trustee of the Richard Brann Revocable Trust hereby grants to

TIMOTHY D. TARON, Trustee of the Brann Irrevocable Trust, created under the Richard Brann Revocable Trust dated January 15, 2010

his undivided one-half (½) interest in that real property commonly located in Rio Vista, in the County of Solano, State of California, described as follows:

PARCEL ONE:

Lot 1, as shown on Parcel Map "Brann Property", filed July 1, 2004 in Book 45 of Parcel Maps, Page 69, 70 and 71, Solano County Records. **APN 0048-110-490.**

EXCEPTING THEREFROM:

The Parcel of Land described in the Deed to the State of California, recorded April 4, 2013, Series No. 201300033758, Solano County Official Records.

PARCEL TWO:

Lot 4, as shown on Parcel Map "Brann Property", filed July 1, 2004 in Book 45 of Parcel Maps, Page 69, 70 and 71, Solano County Records. **APN 0048-110-480.**

Mail tax statements to: *Same as above*

PARCEL TWO-A:

A non-exclusive 30 foot easement for ingress and egress over and upon that portion thereof designated and shown on Lot 3 of Parcel Maps, Pages 69, 70 and 71 as reserved in document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County.

PARCEL TWO-B:

A non-exclusive 20 foot easement for pipelines over, under and upon that portion thereof designated and shown on Lot 3 of Parcel Maps, Pages 69, 70 and 71 as reserved in document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County.

PARCEL TWO-C:

A non-exclusive setback easement over that portion of Lot 3 designated as "Setback Area Easement" on the filed map, as described in document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County.

As set forth in the aforementioned Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County, because the access and transmission pipeline easements will be relocated in the future when the vesting tentative maps and/or final subdivision maps are recorded and street alignments finalized, the parties hereto, or their successors, shall cooperate to relocate the access easements and/or pipeline easements within the alignment of the streets or other public rights of way and the existing easements that are being relocated shall thereupon be extinguished. In the event that a transmission pipeline must be relocated within the alignment of a street or public rights of way, it shall be relocated at the cost of Grizzly Inc., A California Corporation, or its successor.

PARCEL THREE:

All of the minerals of every kind, including, but not limited to, oil, gas, geothermal steam, casinghead gas, asphaltum and other hydrocarbons and chemical gas now or hereafter found, situated or located in all or any portion of the lands described immediately hereafter lying more than five hundred feet (500') below the surface thereof, together with the right to slant drill for and remove all or any of said gas, oil, casinghead gas, asphaltum and other hydrocarbons or chemical gas lying below a depth of more than five hundred feet (500') below the surface thereof including the right to grant leases for all or any of said purposes, but without any right whatsoever, except pursuant to the easement rights as

reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County, to enter upon the surface of said lands or any portion thereof within five hundred feet (500') vertical distance below the surface thereof. Lands: Lot 2 (APN 0048-110-460) and Lot 3 (APN 0048-110-470) as shown on Parcel Map "Brann Property," filed July 1, 2004, in Book 45 of Parcel Maps, Pages 69, 70 and 71, Solano County Records. Said mineral rights were initially reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County.

PARCEL FOUR

PARCEL FOUR-A:

An exclusive easement for each of the three (3) well sites (each 105' x 280') and non-exclusive easements for access, for pipelines for products produced from the well site and setback over that portion the Northwest 1/4 Section 14 Township 4 North, Range 2 East, Mount Diablo Base and Meridian, described as Well Easements A, B and C attached hereto as Exhibit "A" and as depicted as Exhibit "B" with the right of surface entry. Said easements were initially reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County.

PARCEL FOUR-B:

All of the minerals of every kind, including, but not limited to, oil, gas, geothermal steam, casinghead gas, asphaltum and other hydrocarbons and chemical gas now or hereafter found, situated or located in all or any portion of the lands described immediately hereafter lying more than five hundred feet (500') below the surface thereof, together with the right to slant drill for and remove all or any of said gas, oil, casinghead gas, asphaltum and other hydrocarbons or chemical gas lying below a depth of more than five hundred feet (500') below the surface thereof including the right to grant leases for all or any of said purposes, but without any right whatsoever, except pursuant to the easement rights as reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County, to enter upon the surface of said lands or any portion thereof within five hundred feet (500') vertical distance below the surface thereof NOT EXCEPTING however surface rights over those portions described as Wells Easements A, B and C attached hereto as Exhibit "A" and as depicted as Exhibit "B". Lands: Northwest 1/4 Section 14 Township 4 North, Range 2 East, Mount Diablo Base and Meridian (APN 0048-110-060). Said mineral rights were initially reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County.

As set forth in the aforementioned Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County, because the access and transmission pipeline easements will be relocated in the future when the vesting tentative maps and/or final subdivision maps are recorded and street alignments finalized, the parties hereto, or their successors, shall cooperate to relocate the access easements and/or pipeline easements within the alignment of the streets or other public rights of way and the existing easements that are being relocated shall thereupon be extinguished. In the event that a transmission pipeline must be relocated within the alignment of a street or public rights of way, it shall be relocated at the cost of Grizzly Inc., A California Corporation, or its successor.

Richard Brann Revocable Trust

Date: May 17, 2019

Timothy D. Taron
TIMOTHY D. TARON, Trustee

NOTARY ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

County of Sacramento

On May 17, 2019, before me, Leslie A. Arnal, Notary Public, personally appeared

TIMOTHY D. TARON

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/her~~/their~~ authorized capacity, and that by his/her~~/their~~ signature~~(s)~~ on the instrument, the person~~(s)~~ or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Leslie A Arnal
Signature of Notary Public

LESLIE A. ARNAL
Notary Public - California
Sacramento County
Commission # 2272631
My Comm. Expires Jan 11, 2023

Mail tax statements to: *Same as above*

EXHIBIT "A"
LEGAL DESCRIPTION
WELL EASEMENT 'A'

ALL THAT REAL PROPERTY SITUATE IN THE CITY OF RIO VISTA, COUNTY OF SOLANO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING A PORTION OF THE NORTHWEST 1/4 SECTION 14 TOWNSHIP 4 NORTH, RANGE 2 EAST, MOUNT DIABLO BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID NORTHWEST ¼ OF SECTION 14 AND ALONG THE NORTHERLY LINE OF SECTION 14 NORTH 89°50'17" WEST, 128.62 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID NORTHERLY LINE NORTH 89°50'17" WEST, 30.00 FEET;

THENCE LEAVING SAID NORTHERLY LINE SOUTH 00°09'43" WEST, 46.05 FEET;

THENCE NORTH 89°50'17" WEST, 75.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT, WHICH CENTER BEARS SOUTH 30°36'57" EAST, HAVING A RADIUS OF 162.95 FEET, THROUGH A CENTRAL ANGLE OF 118°26'41" AND AN ARC LENGTH OF 336.86 FEET;

THENCE SOUTH 89°50'17" EAST, 105.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT, WHICH CENTER BEARS NORTH 29°44'25" WEST, HAVING A RADIUS OF 161.50 FEET, THROUGH A CENTRAL ANGLE OF 120°11'46" AND AN ARC LENGTH OF 338.80 FEET;

THENCE NORTH 00°09'43" EAST, 46.05 FEET TO THE **POINT OF BEGINNING.**

CONTAINING 62,639 SQUARE FEET OR 1.44 ACRES OF LAND, MORE OR LESS.

END OF DESCRIPTION

EXHIBIT "A"
LEGAL DESCRIPTION
WELL EASEMENT 'B'

ALL THAT REAL PROPERTY SITUATE IN THE CITY OF RIO VISTA, COUNTY OF SOLANO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING A PORTION OF THE NORTHWEST 1/4 OF SECTION 14 TOWNSHIP 4 NORTH, RANGE 2 EAST, MOUNT DIABLO BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID NORTHWEST 1/4 OF SECTION 14 AND ALONG THE SOUTHERLY LINE OF SAID NORTHWEST 1/4 OF SECTION 14 SOUTH 89°54'11" EAST, 178.54 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID SOUTHERLY LINE SOUTH 89°54'11" EAST, 30.00 FEET;

THENCE LEAVING SAID SOUTHERLY LINE NORTH 00°05'49" EAST, 80.95 FEET;

THENCE SOUTH 89°53'58" EAST, 75.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT, WHICH CENTER BEARS NORTH 29°48'06" WEST, HAVING A RADIUS OF 161.50 FEET, THROUGH A CENTRAL ANGLE OF 120°11'46" AND AN ARC LENGTH OF 338.80 FEET;

THENCE NORTH 89°53'58" WEST, 105.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT, WHICH CENTER BEARS SOUTH 30°40'38" EAST, HAVING A RADIUS OF 162.95 FEET, THROUGH A CENTRAL ANGLE OF 118°26'41" AND AN ARC LENGTH OF 336.86 FEET;

THENCE SOUTH 00°05'49" WEST, 80.95 FEET TO THE **POINT OF BEGINNING.**

CONTAINING 63,687 SQUARE FEET OR 1.46 ACRES OF LAND, MORE OR LESS.

END OF DESCRIPTION

EXHIBIT "A"
LEGAL DESCRIPTION
WELL EASEMENT 'C'

ALL THAT REAL PROPERTY SITUATE IN THE CITY OF RIO VISTA, COUNTY OF SOLANO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING A PORTION OF THE NORTHWEST 1/4 OF SECTION 14, TOWNSHIP 4 NORTH, RANGE 2 EAST, MOUNT DIABLO BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID NORTHWEST 1/4 OF SECTION 14 AND ALONG THE SOUTHERLY LINE OF SAID NORTHWEST 1/4 OF SECTION 14 NORTH 89°54'11" WEST, 120.05 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID SOUTHERLY LINE NORTH 89°54'11" WEST, 30.00 FEET;

THENCE LEAVING SAID SOUTHERLY LINE NORTH 00°05'49" EAST, 683.04 FEET;

THENCE NORTH 89°35'08" WEST, 75.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE RIGHT, WHICH CENTER BEARS NORTH 31°11'31" EAST, HAVING A RADIUS OF 162.95 FEET, THROUGH A CENTRAL ANGLE OF 118°26'41" AND AN ARC LENGTH OF 336.86 FEET;

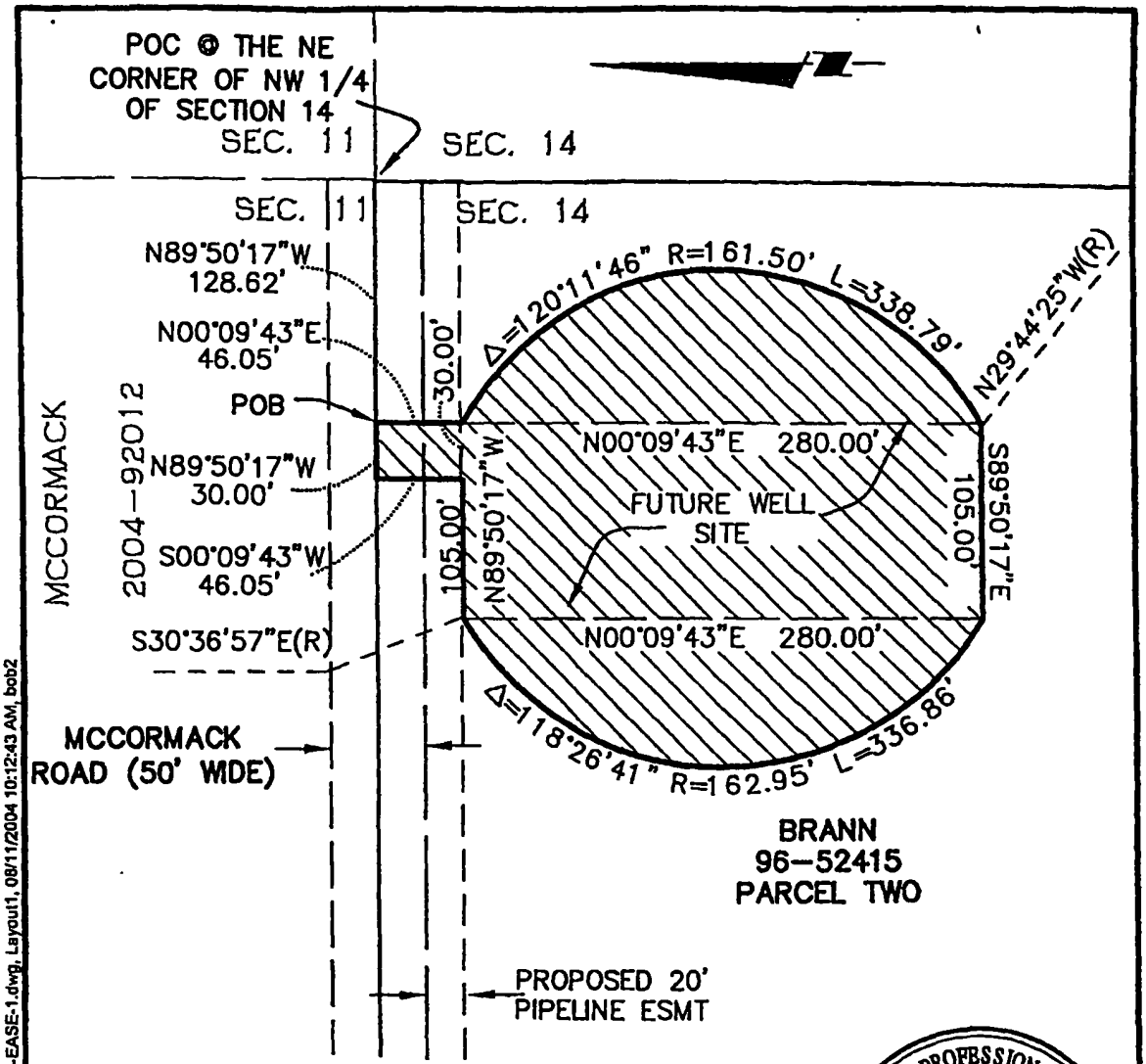
THENCE SOUTH 89°35'08" EAST, 105.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE RIGHT, WHICH CENTER BEARS SOUTH 30°18'59" WEST, HAVING A RADIUS OF 161.50 FEET, THROUGH A CENTRAL ANGLE OF 120°11'46" AND AN ARC LENGTH OF 338.80 FEET;

THENCE SOUTH 00°05'49" WEST, 683.04 FEET TO THE **POINT OF BEGINNING.**

CONTAINING 80,772 SQUARE FEET OR 1.85 ACRES OF LAND, MORE OR LESS.

END OF DESCRIPTION



LEGEND

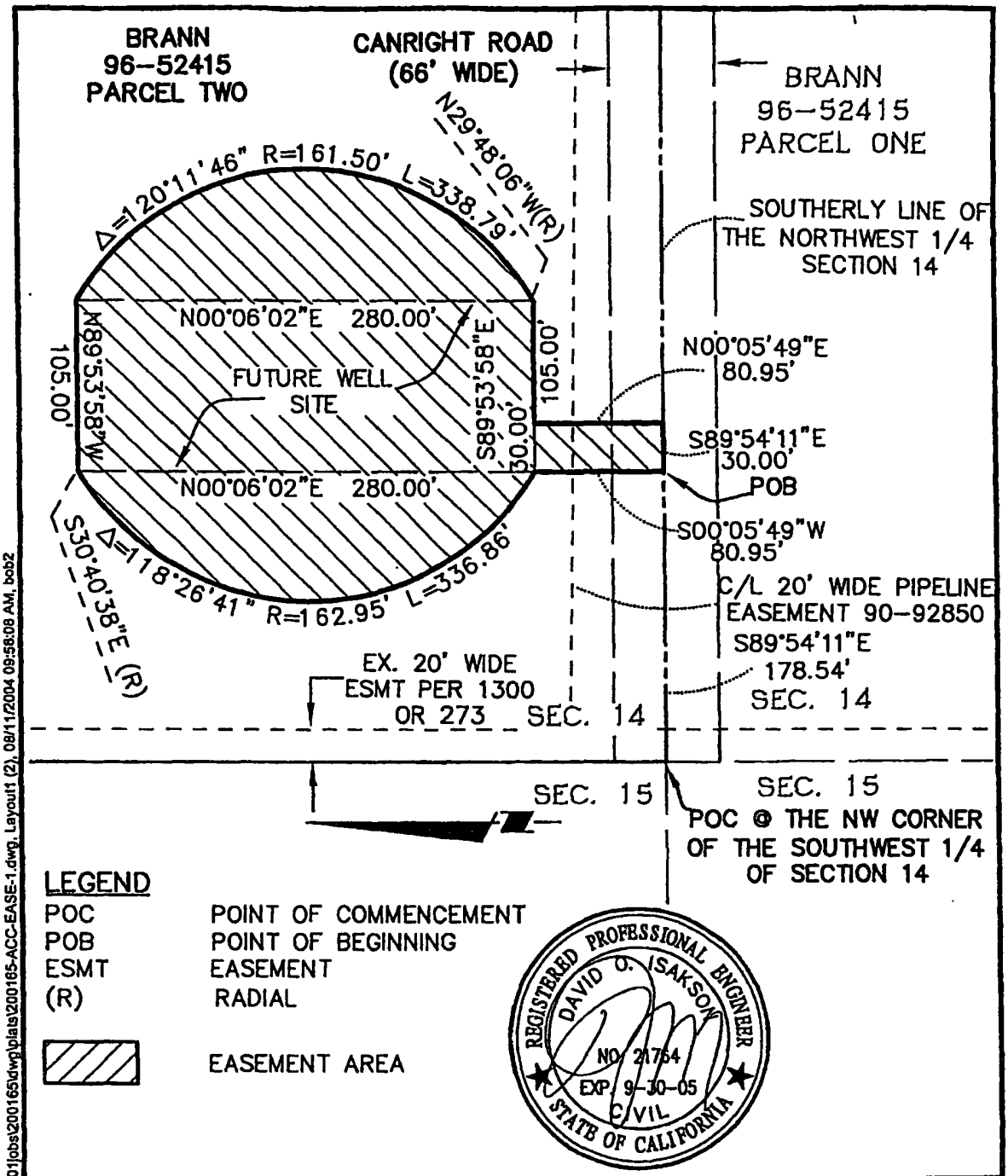
POC	POINT OF COMMENCEMENT
POB	POINT OF BEGINNING
ESMT	EASEMENT
(R)	RADIAL
	EASEMENT AREA

REGISTERED PROFESSIONAL ENGINEER
DAVID O. ISAKSON
NO. 21764
EXP. 9-30-05
CIVIL
STATE OF CALIFORNIA

ISAKSON & ASSOCIATES INC.
2255 YGNACIO VALLEY ROAD, SUITE C WALNUT CREEK, CA. 94598-3335
PHONE (925) 937-9333 FAX (925) 937-7926

EXHIBIT "B" **WELL EASEMENT 'A'**	CHECKED BY: DOI	DRAWN BY: BJL	JOB NO. 200165
	SCALE: 1"=80'	DATE: 07/27/04	SHEET 1 OF 1

\\safs2\sd\sk\sdskproj\2001\jobs\200165\dwg\plats\200165-ACC-EASE-1.dwg, Layout1, 08/11/2004 10:12:43 AM, bob2



LEGEND

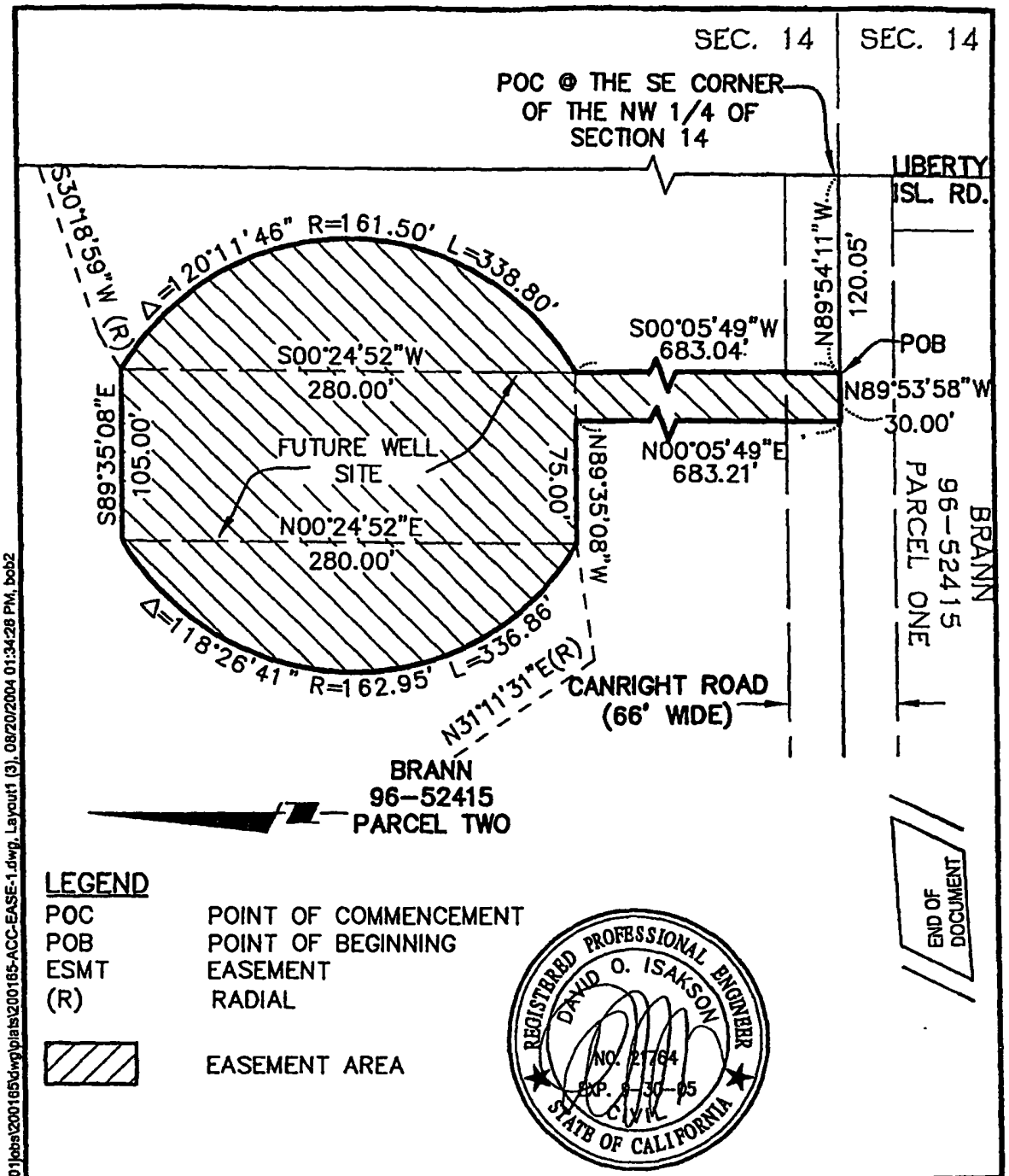
POC	POINT OF COMMENCEMENT
POB	POINT OF BEGINNING
ESMT	EASEMENT
(R)	RADIAL
	EASEMENT AREA

REGISTERED PROFESSIONAL ENGINEER
DAVID O. ISAKSON
NO. 21754
EXP. 9-30-05
CIVIL
STATE OF CALIFORNIA

ISAKSON & ASSOCIATES INC.
2255 YGNACIO VALLEY ROAD, SUITE C WALNUT CREEK, CA. 94598-3335
PHONE (925) 937-9333 FAX (925) 937-7928

EXHIBIT "B"	CHECKED BY: DOI	DRAWN BY: BJL	JOB NO. 200165
WELL EASEMENT 'B'	SCALE: 1"=80'	DATE: 07/27/04	SHEET 1 OF 1

\\sals2\sdsk\sdsk\proj\2001\jobs\200165\dwg\plats\200165-ACC-EASE-1.dwg, Layout1 (2), 08/11/2004 09:58:08 AM, bob2



LEGEND

POC	POINT OF COMMENCEMENT
POB	POINT OF BEGINNING
ESMT	EASEMENT
(R)	RADIAL
	EASEMENT AREA

REGISTERED PROFESSIONAL ENGINEER
DAVID O. ISAKSON
NO. 21764
EXP. 6-30-05
CIVIL
STATE OF CALIFORNIA

ISAKSON & ASSOCIATES INC.
2255 YGNACIO VALLEY ROAD, SUITE C WALNUT CREEK, CA. 94598-3335
PHONE (925) 937-9333 FAX (925) 937-7928

EXHIBIT "B" WELL EASEMENT 'C'	CHECKED BY: DOI	DRAWN BY: BJL	JOB NO. 200165
	SCALE: 1"=80'	DATE: 08/20/04	SHEET 1 OF 1

\\sals2\sdsk\sdsk\proj\2001\jobs\200165\dwg\plats\200165-ACC-EASE-1.dwg, Layout1 (3), 08/20/2004 01:34:28 PM, bob2

END OF DOCUMENT

Recorded in Official Records, Solano County

Marc C. Tonnesen
Assessor/Recorder

P Jon Blegen

Doc#: 201600035660



5/03/2016
12:39 PM
AR64
06

Titles: 1 **Pages: 3**

Fees	19.00
Taxes	0.00
Other	0.00
PAID	$19.00

RECORDING REQUESTED BY)
WHEN RECORDED MAIL TO)
)
JON A. BLEGEN – BAR # 53177)
Attorney at Law)
36 North Front Street)
Rio Vista, CA 94571)
)
MAIL TAX STATEMENTS TO:)
)
EDNA SUE JOHNSON)
132 Renz Lane)
Geyserville, CA 95441)
)

SPACE ABOVE THIS LINE FOR RECORDERS USE

GRANT DEED

THE UNDERSIGNED GRANTOR DECLARES
DOCUMENTARY TRANSFER TAX IS $ -0-
APN: 048-110-490

( ) UNINCORPORATED AREA (X) City of Rio Vista
( ) computed on full value of interest or property conveyed, or
( ) computed on full value less value of liens or encumbrances remaining at time of sale, and
(X) Realty not sold

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

EDNA SUE JOHNSON, SUCCESSOR TRUSTEE OF THE WILLIAM A. AND DORIS V. BRANN LIVING TRUST AGREEMENT DATED MARCH 21, 2001

hereby GRANTS:

An undivided one-eighth (1/8) interest to EDNA SUE JOHNSON, a married woman as her sole and separate property, an undivided one-eighth (1/8) interest to NAOMA RUTH RIDDLE, a married woman as her sole and separate property, an undivided one-eighth (1/8) interest to WILLIAM CLYDE BRANN, a married man as his sole and separate property, and an undivided one-eighth (1/8) interest to JOHN ARTHUR BRANN, a married man as his sole and separate property, all as tenants in common, in the real property located in the City of Rio Vista, County of Solano, State of California described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND INCORPORATED HEREIN BY THIS REFERENCE

Dated: 4-27-2016

Edna Sue Johnson
EDNA SUE JOHNSON

SEE ATTACHED NOTARY FORM DF. 4/27/16

CERTIFICATE OF ACKNOWLEDGMENT

OF NOTARY PUBLIC

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

COUNTY OF

On, April 27, 2016, before me Dawn Pool, Notary Public, personally appeared EDNA SUE JOHNSON who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in his/her/~~their~~ authorized capacity, and that by ~~his~~/her/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the persons acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

NOTARY SEAL

Signature of Notary Public

DAWN POOL
Commission # 2059796
Notary Public - California
Sonoma County
My Comm. Expires Mar 2, 2018

EXHIBIT "A"

Lot 1, as shown on Parcel Map "Brann Property," filed July 1, 2004 in Book 45 of Parcel Maps, Page 69, 70 and 71, Solano County Record.

APN: 0048-110-490

END OF DOCUMENT

Brann Ranch
7989 Highway 12
Rio Vista, CA 94571

Inquiry Number: 6653868.8
September 08, 2021

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

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

EDR Building Permit Report: Search Documentation

9/08/21

Site Name:
Brann Ranch
7989 Highway 12
Rio Vista, CA 94571

EDR Inquiry # 6653868.8

Client Name:
GeoSolve
1807 Santa Rita Road
Pleasanton, CA 94566-0000

Contact: Robert Campbell

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 9/08/21, EDR does not have access to building permits in the city where your target property is located (Rio Vista, CA).

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

Brann Ranch
7989 Highway 12
Rio Vista, CA 94571

Inquiry Number: 6653868.5
September 13, 2021

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

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

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

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

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Data by
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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
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1986	☑	☐	Haines Criss-Cross Directory
1981	☐	☐	Haines Criss-Cross Directory
1977	☐	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

7989 Highway 12
Rio Vista, CA 94571

Year	*CD Image*	*Source*	
HWY 12			
2000	pg A5	EDR Digital Archive	
1995	pg A7	EDR Digital Archive	
STATE HIGHWAY 12			
2017	pg A1	EDR Digital Archive	
2014	pg A2	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	pg A4	EDR Digital Archive	
2000	pg A6	EDR Digital Archive	
1995	pg A8	EDR Digital Archive	
1992	pg A9	EDR Digital Archive	
1986	pg A10	Haines Criss-Cross Directory	
1986	pg A11	Haines Criss-Cross Directory	
1981	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1977	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

STATE HIGHWAY 12 2017

7183 LIVINGSTON, B F
7187 WALDIE, BARRY L
7987 BRANN, WILLIAM C
8199 HARRELL, MATHEW D

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

STATE HIGHWAY 12 2014

7121	TRIMBLE, ARTHUR R
7183	LIVINGSTON, B F
7187	WALDIE, BARRY L
7400	OCCUPANT UNKNOWN,
7620	OCCUPANT UNKNOWN,
7983	OCCUPANT UNKNOWN,
7987	OCCUPANT UNKNOWN,
7989	BRANN, WILLIAM C
8199	KEARNS, DUSTIN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

STATE HIGHWAY 12 2010

7121 TRIMBLE, ARTHUR R
7183 LIVINGSTON, BEVERLY J
7187 WALDIE, BARRY L
7620 HEMPSTEAD, DAVID J
7983 BRANN, GAIL S
7987 OCCUPANT UNKNOWN,
7989 BRANN, WILLIAM A
8199 KEARNS, DUSTIN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

STATE HIGHWAY 12 2005

7121	TRIMBLE, ARTHUR R
7183	LIVINGSTON, BEVERLY
7187	WALDIE, BARRY L
7620	HEMPSTEAD, DAVID J
7828	CATTEY, ROBERT V
7983	BRANN, GAIL
7989	BRANN, WILLIAM A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HWY 12 2000

7121 TRIMBLE, ARTHUR R
7183 LIVINGSTON, BERYL D
7828 BLOOMER, LEONARD
CATTEY, GEORGE J
7983 BRANN, GAIL
7987 BRANN, WILLIAM C
7989 BRANN, WILLIAM A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

STATE HIGHWAY 12 2000

7121 DYSART, CRAIG H

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HWY 12 1995

6873	CARPENTER, TRESSA
	DOWNUM, ROBERT R
7121	TRIMBLE, ARTHUR R
7183	LIVINGSTON, BERYL D
7187	NICHOLS, SAM
7828	CATTEY, GEORGE J
7832	OCCUPANT UNKNOWNN
7983	BRANN, GAIL
7987	BRANN, WILLIAM C
7989	BRANN, WILLIAM A
8199	MARKS, MARVIN J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

STATE HIGHWAY 12 1995

6873 DAISY HILL FARM

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

STATE HIGHWAY 12 1992

6873 DAISY HILL FARM

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

STATE HIGHWAY 12 1986

6873	ACHESAPAINES BERY	374-2171	6
	DAISY HILL FARM	374-2171	
	DOWNUM ROBERT R	374-2171	6
	WESTBROOK MARVIN	374-6011	+6
7121	TRIMBLE ARTHUR R	374-6634	4
7163	LIVINGSTON BERYL D	374-6621	4
7167	NICHOLS SAM D	374-5877	4
7626	CATTEY GEORGE J	374-6646	6
7632	STEWART GORDON M	374-2996	4
7963	BRANN GAIL	374-6713	6
7967	BRANN WILLIAM C	374-5471	4
7989	BRANN WILLIAM A	374-6191	4
	BRANN WM A&SONS OFC	374-6622	4

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

STATE HIGHWAY 12 1986

..HWY 12		64671 CONT..	
	BRANN WM A&SONS SHP	374-5865	4
8199	MARKS MARVIN J	374-2738	4
	MARKS R J	374-2502	4
NO #	BAKER OIL TOOLS INC	374-2244	
NO #	BROWN OIL TOOLS	374-6700	7
NO #	CALIF RAILWY MUSEUM	374-2976	
NO #	CAMP HERSHEL L	874-2425	
NO #	DUNAHOO FLOYD	374-2941	1
NO #	HUMMICUTT&CAMP DRLG	874-2426	
NO #	MONTEREY DRILLING	374-2425	5
NO #	PAC GAS&ELECTRIC CO	374-5376	
NO #	RED RIVER ROCK PRDS	374-8862	+6
NO #	RIO VISTA ASMBLY CH	374-2462	+6
NO #	SYLVIA ALBERT J	374-6720	0
NO #	WENDT ELMER G	374-6326	
★	41 BUS 21 RES	6 NEW	

Brann Ranch

7989 Highway 12

Rio Vista, CA 94571

Inquiry Number: 6653868.3

September 08, 2021

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

09/08/21

Site Name:

Brann Ranch
7989 Highway 12
Rio Vista, CA 94571
EDR Inquiry # 6653868.3

Client Name:

GeoSolve
1807 Santa Rita Road
Pleasanton, CA 94566-0000
Contact: Robert Campbell

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by GeoSolve 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 # C6AC-431A-85A4

PO # 2021-26

Project 2021-26

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 #: C6AC-431A-85A4

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

The Sanborn Library LLC Since 1866™

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Brann Ranch
7989 Highway 12
Rio Vista, CA 94571

Inquiry Number: 6653868.6
September 08, 2021

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

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

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

Thank you for your business.
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with any questions or comments.

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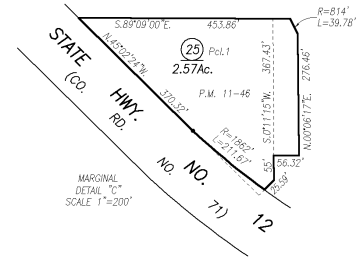
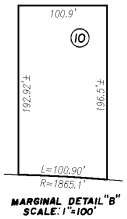
POR. LOT 37, RANCHO DE LOS ULPINOS
POR. T.4N., R.2E., M.D.B.& M. EXT.

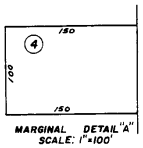
Tax Area Code
4021
84003

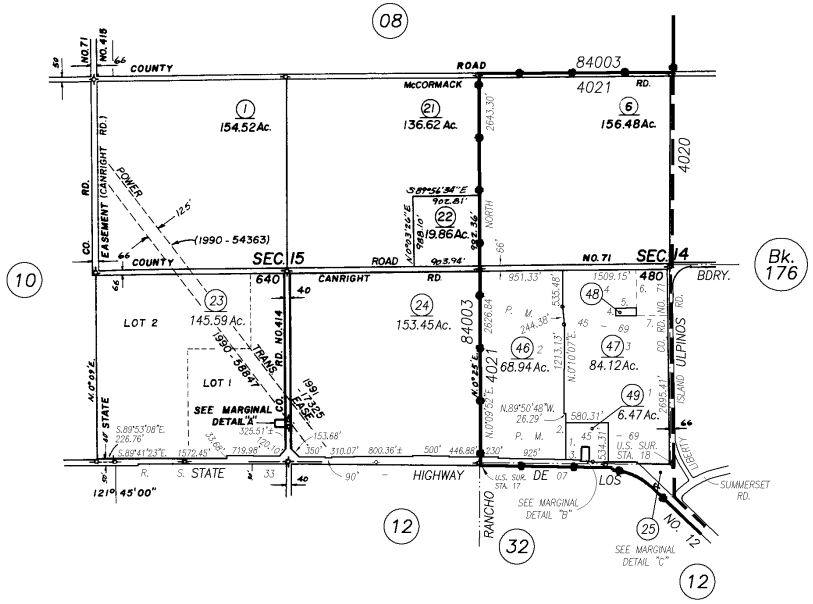
48–11

1" = 1200'









1.	N.0°10'07"E.	499.62'±
2.	N.0°10'07"E.	625.21'±
3.	S.88°59'35"E.	195.00'
4.	S.0°40'11"E.	105.00'
5.	N.89°19'49"E.	280.00'
6.	N.0°05'49"E. (TIE)	736.34'
7.	N.89°53'43"W. (TIE)	427.97'

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

REVISION	DATE	BY
R.S. 33-07	3-8-18	Cr
110-46 Chg.(Dd)	10-15-13	Cr
110-10,49 Chg(Dd)	10-31-12	Cr
110-24 Chg. (Dd)	10-24-12	Cr

NOTE: This map is for assessment purposes only. It is not intended to define legal boundary rights or imply compliance with land division laws.

CITY OF RIO VISTA & VICINITY
Assessor's Map Bk. 48 Pg. 11
County of Solano, Calif.

19-20

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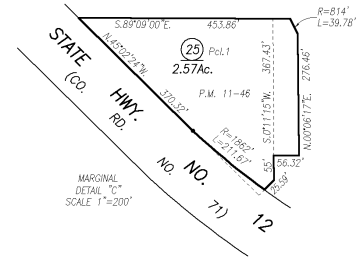
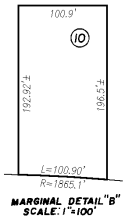
POR. LOT 37, RANCHO DE LOS ULPINOS
POR. T.4N., R.2E., M.D.B.& M. EXT.

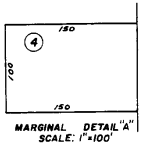
Tax Area Code
4021
84003

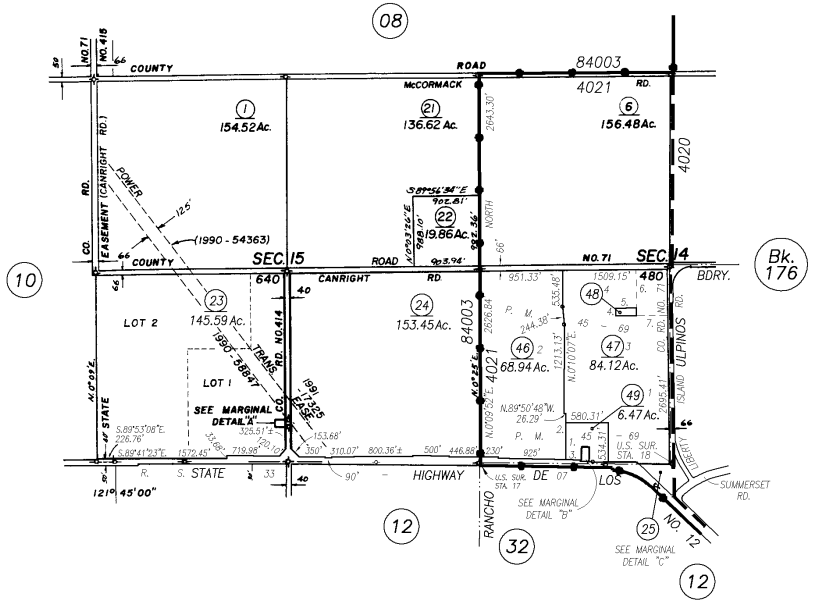
48–11

1" = 1200'









1.	N.0°10'07"E.	499.62'±
2.	N.0°10'07"E.	625.21'±
3.	S.88°59'35"E.	195.00'
4.	S.0°40'11"E.	105.00'
5.	N.89°19'49"E.	280.00'
6.	N.0°05'49"E. (TIE)	736.34'
7.	N.89°53'43"W. (TIE)	427.97'

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

REVISION	DATE	BY
R.S. 33-07	3-8-18	Cr
110-46 Chg.(Dd)	10-15-13	Cr
110-10,49 Chg(Dd)	10-31-12	Cr
110-24 Chg. (Dd)	10-24-12	Cr

NOTE: This map is for assessment purposes only. It is not intended to define legal boundary rights or imply compliance with land division laws.

CITY OF RIO VISTA & VICINITY
Assessor's Map Bk. 48 Pg. 11
County of Solano, Calif.

19–20

EDR RADIUS MAP WITH GEOCHECK

Brann Ranch
7989 Highway 12
Rio Vista, CA 94571

Inquiry Number: 6653868.2s
September 09, 2021

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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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 (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

7989 HIGHWAY 12
RIO VISTA, CA 94571

COORDINATES

Latitude (North):	38.1835950 - 38° 11' 0.94''
Longitude (West):	121.7273840 - 121° 43' 38.58''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	611458.1
UTM Y (Meters):	4226744.5
Elevation:	51 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5619744 RIO VISTA, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140606
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
7989 HIGHWAY 12
RIO VISTA, CA 94571

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	BRANN BROS RANCH	7989 STATE HWY 12	HIST UST		TP
A2	BRANN BROS RANCH	7989 STATE HWY 12	SWEEPS UST		TP
A3	BRANN BROS RANCH	7989 STATE HIGHWAY 1	UST		TP
A4	BRANN RANCH	7983 STATE HIGHWAY 1	LUST	Higher	1 ft.
B5	PACIFIC GAS & ELECTR	3059 CATTEY LN	RCRA NonGen / NLR	Higher	676, 0.128, WSW
B6	MICHELS CORPORATION	3059 CATTEY LN	RCRA NonGen / NLR	Higher	676, 0.128, WSW
B7	PACIFIC GAS & ELECTR	3059 CATTEY LANE	RCRA NonGen / NLR	Higher	676, 0.128, WSW
C8	COUGHRAN MECHANICAL	3053 LIBERTY ISLAND	CERS HAZ WASTE, EMI, CERS	Higher	761, 0.144, ESE
C9	COUGHRAN MECHANICAL	3053 LIBERTY ISLAND	UST	Higher	761, 0.144, ESE
D10	PRODUCTION POWER INC	HWY12 & LIBERTY ISLA	RCRA NonGen / NLR, HAZNET, HWTS	Higher	862, 0.163, SE
D11	B-C SERV INC	HWY 12- LIBERTY ISLA	RCRA NonGen / NLR	Higher	862, 0.163, SE
B12	WILLIAMS MOBILE SERV	3047 CATTEY LN	RCRA NonGen / NLR	Higher	891, 0.169, WSW
B13	WILLIAMS MOBILE SERV	3047 CATTEY LN	CERS HAZ WASTE, CERS	Higher	891, 0.169, WSW
E14	RESA POWER SOLUTIONS	3035 CATTEY LN	CERS HAZ WASTE, CERS	Higher	899, 0.170, SW
E15	TRANSFORMER TESTING	3035 CATTEY LN	AST	Higher	899, 0.170, SW
E16	MICHELS PIPELINE RIO	3033 CATTEY LN	CERS HAZ WASTE, CERS	Higher	912, 0.173, SW
E17	B&L EQUIPMENT RENTAL	3041 CATTEY LN	RCRA NonGen / NLR	Higher	928, 0.176, WSW
F18	COUGHRAN MECHANICAL	3053 LIBERTY ISLE RD	RCRA-SQG, FINDS, ECHO, HAZNET, CERS, HWTS	Lower	975, 0.185, East
F19	TOTAL COMPRESSION IN	3054 LIBERTY ISLAND	UST, SWEEPS UST	Lower	976, 0.185, East
20	UNIVERSAL INDUSTRIAL	HIWAY 12 & LIBERTY I	RCRA NonGen / NLR	Higher	1034, 0.196, ESE
F21	COUGHRAN	3052 LIBERTY ISLAND	SWEEPS UST	Lower	1074, 0.203, East
22	PG&E SERPA JUNCTION	1.5 MILES NORTHWEST	ENVIROSTOR	Higher	3887, 0.736, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
BRANN BROS RANCH 7989 STATE HWY 12 RIO VISTA, CA 94571	HIST UST Facility Id: 00000053422	N/A
BRANN BROS RANCH 7989 STATE HWY 12 RIO VISTA, CA 94571	SWEEPS UST Status: A Tank Status: A Comp Number: 80271	N/A
BRANN BROS RANCH 7989 STATE HIGHWAY 1 RIO VISTA, CA 94571	UST Database: SOLANO CO. UST, Date of Government Version: 03/23/2021 Facility Id: 80271 Facility Status: I	N/A

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

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

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

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

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

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties

EXECUTIVE SUMMARY

PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)

EXECUTIVE SUMMARY

SAMPLING POINT ---------- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---------- Well Stimulation Project (GEOTRACKER)
MINES MRDS ---------- Mineral Resources Data System
HWTS ---------- Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
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

Federal RCRA generators list

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

A review of the RCRA-SQG list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
COUGHRAN MECHANICAL EPA ID:: CAD983596636	***3053 LIBERTY ISLE RD***	***E 1/8 - 1/4 (0.185 mi.)***	***F18***	***51***

State- and tribal - equivalent CERCLIS

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 04/23/2021 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PG&E SERPA JUNCTION Facility Id: 48490008 Status: Refer: RWQCB	1.5 MILES NORTHWEST	SSE 1/2 - 1 (0.736 mi.)	22	111

State and tribal leaking storage tank lists

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRANN RANCH Database: SOLANO CO. LUST, Date of Government Version: 06/04/2019 Facility Id: 700314 Facility Status: I	7983 STATE HIGHWAY 1	0 - 1/8 (0.000 mi.)	A4	11

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COUGHRAN MECHANICAL Database: SOLANO CO. UST, Date of Government Version: 03/23/2021	3053 LIBERTY ISLAND	ESE 1/8 - 1/4 (0.144 mi.)	C9	24

Facility Id: 70042
Facility Status: I

Lower Elevation	Address	Direction / Distance	Map ID	Page
TOTAL COMPRESSION IN	***3054 LIBERTY ISLAND***	***E 1/8 - 1/4 (0.185 mi.)***	***F19***	***107***

Database: SOLANO CO. UST, Date of Government Version: 03/23/2021
Facility Id: 70349
Facility Status: I

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRANSFORMER TESTING	3035 CATTEY LN	SW 1/8 - 1/4 (0.170 mi.)	E15	44

Database: AST, Date of Government Version: 07/06/2016

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/19/2021 has revealed that there are 4 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COUGHRAN MECHANICAL	***3053 LIBERTY ISLAND***	***ESE 1/8 - 1/4 (0.144 mi.)***	***C8***	***19***
WILLIAMS MOBILE SERV	***3047 CATTEY LN***	***WSW 1/8 - 1/4 (0.169 mi.)***	***B13***	***37***
RESA POWER SOLUTIONS	***3035 CATTEY LN***	***SW 1/8 - 1/4 (0.170 mi.)***	***E14***	***40***
MICHELS PIPELINE RIO	***3033 CATTEY LN***	***SW 1/8 - 1/4 (0.173 mi.)***	***E16***	***44***

Local Lists of Registered Storage Tanks

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

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
TOTAL COMPRESSION IN	***3054 LIBERTY ISLAND***	***E 1/8 - 1/4 (0.185 mi.)***	***F19***	***107***

Comp Number: 70349				
COUGHRAN Comp Number: 70042	3052 LIBERTY ISLAND	E 1/8 - 1/4 (0.203 mi.)	F21	111

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there are 8 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

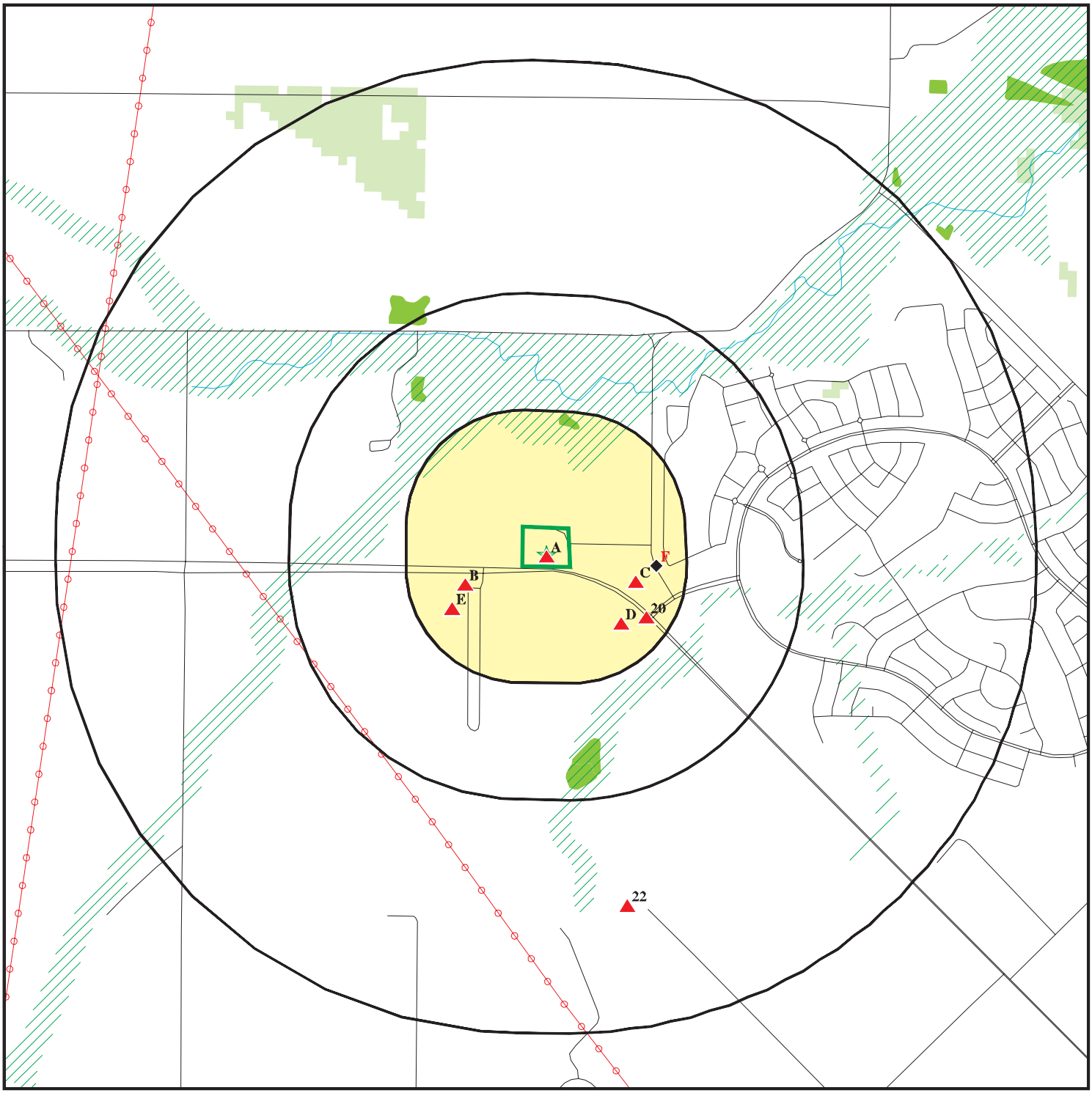
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC GAS & ELECTR EPA ID:: CAC002987427	3059 CATTEY LN	WSW 1/8 - 1/4 (0.128 mi.)	B5	11
MICHELS CORPORATION	3059 CATTEY LN	WSW 1/8 - 1/4 (0.128 mi.)	B6	14
PACIFIC GAS & ELECTR EPA ID:: CAC003008455	3059 CATTEY LANE	WSW 1/8 - 1/4 (0.128 mi.)	B7	16
PRODUCTION POWER INC EPA ID:: CAD981669609	***HWY12 & LIBERTY ISLA***	***SE 1/8 - 1/4 (0.163 mi.)***	***D10***	***24***
B-C SERV INC EPA ID:: CAD000389973	HWY 12- LIBERTY ISLA	SE 1/8 - 1/4 (0.163 mi.)	D11	32
WILLIAMS MOBILE SERV EPA ID:: CAL000367334	3047 CATTEY LN	WSW 1/8 - 1/4 (0.169 mi.)	B12	34
B&L EQUIPMENT RENTAL EPA ID:: CAL000447192	3041 CATTEY LN	WSW 1/8 - 1/4 (0.176 mi.)	E17	48
UNIVERSAL INDUSTRIAL EPA ID:: CAT080031453	HIWAY 12 & LIBERTY I	ESE 1/8 - 1/4 (0.196 mi.)	20	108

EXECUTIVE SUMMARY

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

Site Name	Database(s)
	CDL
TRILOGY - SHEA HOMES - SLIC	LUST
PG&E GAS DEHYDRATOR STATION, RIO V	CPS-SLIC
PG&E GAS DEHYDRATOR STATION, COMPR	CPS-SLIC
COLUMBIA HELICOPTERS** [SOME ARCHI	CPS-SLIC

OVERVIEW MAP - 6653868.2S



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

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

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

SITE NAME:	Brann Ranch	CLIENT:	GeoSolve
ADDRESS:	7989 Highway 12 Rio Vista CA 94571	CONTACT:	Robert Campbell
LAT/LONG:	38.183595 / 121.727384	INQUIRY #:	6653868.2s
		DATE:	September 09, 2021 10:09 am

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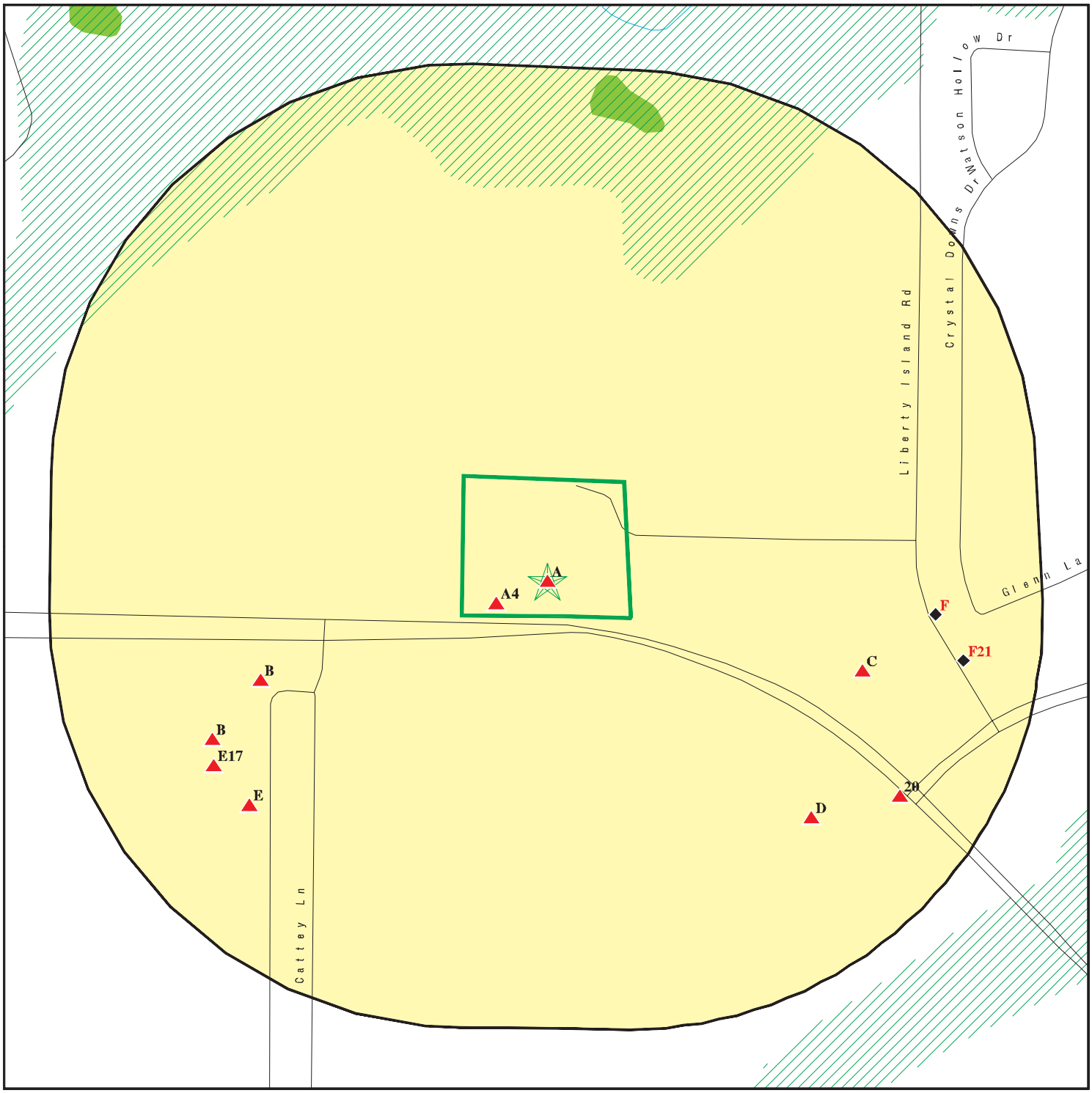
DETAIL MAP - 6653868.2S



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

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:	Brann Ranch	CLIENT:	GeoSolve
ADDRESS:	7989 Highway 12 Rio Vista CA 94571	CONTACT:	Robert Campbell
		INQUIRY #:	6653868.2s
LAT/LONG:	38.183595 / 121.727384	DATE:	September 09, 2021 10:09 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
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
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	0	0	NR	NR	1

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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	0	2	NR	NR	NR	3
AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	4	NR	NR	NR	4
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	0	2	NR	NR	NR	3
HIST UST	0.250	1	0	0	NR	NR	NR	1
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	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	8	NR	NR	NR	8
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	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
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
HAZNET	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
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
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 --		3	1	18	0	1	0	23

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **BRANN BROS RANCH** **HIST UST** **U001598195**
Target **7989 STATE HWY 12** **N/A**
Property **RIO VISTA, CA 94571**

Site 1 of 4 in cluster A

Actual: **51 ft.**

HIST UST:

Name:	BRANN BROS RANCH
Address:	7989 STATE HWY 12
City,State,Zip:	RIO VISTA, CA 94571
File Number:	000211CE
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000211CE.pdf
Region:	STATE
Facility ID:	00000053422
Facility Type:	Other
Other Type:	RANCH
Contact Name:	WILLIAM BRANN
Telephone:	7073746623
Owner Name:	BRANN BROS
Owner Address:	7989 STATE HWY 12
Owner City,St,Zip:	RIO VISTA, CA 94571
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1942
Tank Capacity:	00000300
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Groundwater Monitoring Well
Tank Num:	002
Container Num:	2
Year Installed:	1936
Tank Capacity:	00000300
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Groundwater Monitoring Well

Click here for Geo Tracker PDF:

A2 **BRANN BROS RANCH** **SWEEPS UST** **S106923529**
Target **7989 STATE HWY 12** **N/A**
Property **RIO VISTA, CA 94571**

Site 2 of 4 in cluster A

Actual: **51 ft.**

SWEEPS UST:

Name:	BRANN BROS RANCH
Address:	7989 STATE HWY 12
City:	RIO VISTA
Status:	Active
Comp Number:	80271
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-22-93
Action Date:	06-22-93
Created Date:	02-29-88

BRANN BROS RANCH (Continued) **S106923529**

Owner Tank Id:	1
SWRCB Tank Id:	48-000-080271-000001
Tank Status:	A
Capacity:	300
Active Date:	12-06-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2
Name:	BRANN BROS RANCH
Address:	7989 STATE HWY 12
City:	RIO VISTA
Status:	Active
Comp Number:	80271
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-22-93
Action Date:	06-22-93
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	48-000-080271-000002
Tank Status:	A
Capacity:	300
Active Date:	12-06-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

A3 **BRANN BROS RANCH** **UST** **U003973537**
Target **7989 STATE HIGHWAY 12** **N/A**
Property **RIO VISTA, CA 94571**

Site 3 of 4 in cluster A

Actual: **51 ft.**

SOLANO CO. UST:

Name:	BRANN BROS RANCH
Address:	7989 STATE HIGHWAY 12
City,State,Zip:	RIO VISTA, CA 94571
Facility Id:	80271
Facility Status:	Inactive
Decode for Facility Status:	Closed
Facility Phone:	707-374-6623
Inventory Number:	1
Inventory Type:	Underground Storage Tank (1)
Inventory Description:	Not reported
Permit Expire/Last Service:	3/31/1992
Last Service Date:	Not reported
District:	SUP-DIST NO 3038
Inspector:	Osier, Courtney A
Name:	BRANN BROS RANCH
Address:	7989 STATE HIGHWAY 12
City,State,Zip:	RIO VISTA, CA 94571
Inventory Number:	2

BRANN BROS RANCH (Continued) **U003973537**

Inventory Type:	Underground Storage Tank (1)
Inventory Description:	Not reported
Permit Expire/Last Service:	3/31/1992
Last Service Date:	Not reported
District:	SUP-DIST NO 3038
Inspector:	Osier, Courtney A

A4 **BRANN RANCH** **LUST** **S122360912**
7983 STATE HIGHWAY 12 **N/A**
< 1/8 **RIO VISTA, CA 94571**
1 ft.

Site 4 of 4 in cluster A

Relative: SOLANO CO. LUST:
Higher

Name:	BRANN RANCH
Address:	7983 STATE HIGHWAY 12
City,State,Zip:	RIO VISTA, CA 94571
Region:	SOLANO
Facility ID:	700314
Facility Status:	I
Facility Status Desc:	Inactive
Facility Phone:	Not reported
Program:	29S
Inventory Number:	1
Inventory Type:	SLIC - Spills, Leaks, Invest. & Cleanups (145)
Inventory Description:	Not reported
Last service/permit exp:	CONSULTATION - PHONE/COUNTER
Last service date:	09/27/2018
District:	SUP-DIST NO 3038
Inspector:	Osier, Courtney A
Call Back:	Not reported

Actual:
53 ft.

B5 **PACIFIC GAS & ELECTRIC CO** **RCRA NonGen / NLR** **1024767550**
WSW **3059 CATTEY LN** **CAC002987427**
1/8-1/4 **RIO VISTA, CA 94571**
0.128 mi.
676 ft.

Site 1 of 5 in cluster B

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:	2018-10-31 00:00:00.0
Handler Name:	PACIFIC GAS & ELECTRIC CO
Handler Address:	3059 CATTEY LN
Handler City,State,Zip:	RIO VISTA, CA 94571
EPA ID:	CAC002987427
Contact Name:	BILL FROHLICH - PGE
Contact Address:	6111 BOLLINGER CANYON RD
Contact City,State,Zip:	SAN RAMON, CA 94583
Contact Telephone:	925-549-5691
Contact Fax:	Not reported
Contact Email:	WHF6@PGE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported

Actual:
60 ft.

PACIFIC GAS & ELECTRIC CO (Continued) **1024767550**

Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 7640
Mailing City,State,Zip:	SAN FRANCISCO, CA 94120
Owner Name:	PG&E-EPA IDS
Owner Type:	Other
Operator Name:	BILL FROHLICH - PGE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

PACIFIC GAS & ELECTRIC CO (Continued) **1024767550**

Handler Date of Last Change:	2018-11-20 16:30:36.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PG&E-EPA IDS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7640
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94120
Owner/Operator Telephone:	925-549-5691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BILL FROHLICH - PGE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6111 BOLLINGER CANYON RD
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-549-5691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-10-31 00:00:00.0
Handler Name:	PACIFIC GAS & ELECTRIC CO
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221210
NAICS Description:	NATURAL GAS DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

PACIFIC GAS & ELECTRIC CO (Continued) **1024767550**

Evaluation Action Summary:
Evaluations: No Evaluations Found

B6
WSW
1/8-1/4
0.128 mi.
676 ft.

MICHELS CORPORATION **RCRA NonGen / NLR** **1026722367**
3059 CATTEY LN **CAL000459432**
RIO VISTA, CA 94571

Site 2 of 5 in cluster B

Relative:
Higher

Actual:
60 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2021-01-13 00:00:00.0
Handler Name:	MICHELS CORPORATION	
Handler Address:		3059 CATTEY LN
Handler City,State,Zip:		RIO VISTA, CA 94571
EPA ID:		CAL000459432
Contact Name:		JON ZIELIEKE
Contact Address:		817 MAIN ST
Contact City,State,Zip:		BROWNSVILLE, WI 53006
Contact Telephone:		920-924-4300
Contact Fax:		Not reported
Contact Email:		JZIELIEK@MICHELS.US
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3059 CATTEY LN
Mailing City,State,Zip:		RIO VISTA, CA 94571
Owner Name:		MICHELS CORPORATION
Owner Type:		Other
Operator Name:		JON ZIELIEKE
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N

MICHELS CORPORATION (Continued) **1026722367**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2021-02-26 18:46:32.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHELS CORPORATION
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	817 MAIN ST
Owner/Operator City,State,Zip:	BROWNSVILLE, WI 53006
Owner/Operator Telephone:	920-924-4300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JON ZIELIEKE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	817 MAIN ST

MICHELS CORPORATION (Continued) **1026722367**

Owner/Operator City,State,Zip: BROWNSVILLE, WI 53006
Owner/Operator Telephone: 920-924-4300
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2021-01-13 00:00:00.0
Handler Name: MICHELS CORPORATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 237130
NAICS Description: POWER AND COMMUNICATION LINE AND RELATED STRUCTURES CONSTRUCTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B7
WSW
1/8-1/4
0.128 mi.
676 ft.

PACIFIC GAS & ELECTRIC D-962 **RCRA NonGen / NLR** **1025828901**
3059 CATTEY LANE **CAC003008455**
RIO VISTA, CA 94571

Site 3 of 5 in cluster B

Relative: Higher

Actual: 60 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2019-04-03 00:00:00.0
Handler Name: PACIFIC GAS & ELECTRIC D-962
Handler Address: 3059 CATTEY LANE
Handler City,State,Zip: RIO VISTA, CA 94571
EPA ID: CAC003008455
Contact Name: BILL FROHLICH - PG&E
Contact Address: 6111 BOLLINGER CANYON RD
Contact City,State,Zip: SAN RAMON, CA 94583
Contact Telephone: 925-549-5691
Contact Fax: Not reported
Contact Email: WHF6@PGE.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

PACIFIC GAS & ELECTRIC D-962 (Continued) **1025828901**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 7640
Mailing City,State,Zip:	SAN FRANCISCO, CA 94120
Owner Name:	PG&E-EPA IDS
Owner Type:	Other
Operator Name:	BILL FROHLICH - PG&E
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-26 18:51:40.0

PACIFIC GAS & ELECTRIC D-962 (Continued) **1025828901**

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

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PG&E-EPA IDS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7640
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94120
Owner/Operator Telephone:	925-549-5691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BILL FROHLICH - PG&E
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6111 BOLLINGER CANYON RD
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-549-5691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-04-03 00:00:00.0
Handler Name:	PACIFIC GAS & ELECTRIC D-962
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221210
NAICS Description:	NATURAL GAS DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

PACIFIC GAS & ELECTRIC D-962 (Continued) **1025828901**

Evaluation Action Summary:
Evaluations: No Evaluations Found

C8 **COUGHRAN MECHANICAL SERVICES, INC.** **CERS HAZ WASTE** **S113752254**
ESE **3053 LIBERTY ISLAND RD** **EMI** **N/A**
1/8-1/4 **RIO VISTA, CA 94571** **CERS**
0.144 mi.
761 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
52 ft.

CERS HAZ WASTE:
Name: COUGHRAN MECHANICAL SERVICES, INC.
Address: 3053 LIBERTY ISLAND RD
City,State,Zip: RIO VISTA, CA 94571
Site ID: 390671
CERS ID: 10464631
CERS Description: Hazardous Waste Generator

EMI:
Name: COUGHRAN MECHANICAL SERVICES, INC.
Address: 3053 LIBERTY ISLAND RD
City,State,Zip: RIO VISTA, CA 94571
Year: 2009
County Code: 57
Air Basin: SV
Facility ID: 90071
Air District Name: YS
SIC Code: 1311
Air District Name: YOLO/SOLANO AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9.5185995623632298
Reactive Organic Gases Tons/Yr: 0.87
Carbon Monoxide Emissions Tons/Yr: 12.27
NOX - Oxides of Nitrogen Tons/Yr: 0.91000000000000003
SOX - Oxides of Sulphur Tons/Yr: 2.9999999999999999E-2
Particulate Matter Tons/Yr: 3.0181086519114601E-2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2.9999999999999999E-2

Name: COUGHRAN MECHANICAL SERVICES, INC.
Address: 3053 LIBERTY ISLAND RD
City,State,Zip: RIO VISTA, CA 94571
Year: 2010
County Code: 57
Air Basin: SV
Facility ID: 90071
Air District Name: YS
SIC Code: 1311
Air District Name: YOLO/SOLANO AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9.5185995623632298
Reactive Organic Gases Tons/Yr: 0.87
Carbon Monoxide Emissions Tons/Yr: 12.27
NOX - Oxides of Nitrogen Tons/Yr: 0.91000000000000003
SOX - Oxides of Sulphur Tons/Yr: 2.9999999999999999E-2
Particulate Matter Tons/Yr: 3.0181086519114601E-2

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

Part. Matter 10 Micrometers and Smllr Tons/Yr:2.9999999999999999E-2

CERS:

Name:	COUGHRAN MECHANICAL SERVICES, INC.
Address:	3053 LIBERTY ISLAND RD
City,State,Zip:	RIO VISTA, CA 94571
Site ID:	390671
CERS ID:	10464631
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	390671
Site Name:	Coughran Mechanical Services, Inc.
Violation Date:	11-05-2013
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/01/2014. Label all containers. Label empty containers as "EMPTY"
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	390671
Site Name:	Coughran Mechanical Services, Inc.
Violation Date:	11-05-2013
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes:	Returned to compliance on 08/01/2014.
Violation Division:	Solano County Environmental Health
Violation Program:	APSA
Violation Source:	CERS

Site ID:	390671
Site Name:	Coughran Mechanical Services, Inc.
Violation Date:	11-05-2013
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/03/2019.
Violation Division:	Solano County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	390671
Site Name:	Coughran Mechanical Services, Inc.
Violation Date:	02-21-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

Violation Notes: Returned to compliance on 05/24/2018.
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 390671
Site Name: Coughran Mechanical Services, Inc.
Violation Date: 11-05-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 08/01/2014. HMBP not entered into CERS
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 390671
Site Name: Coughran Mechanical Services, Inc.
Violation Date: 02-21-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 05/24/2018.
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: APSA
Eval Source: CERS

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HMBP not entered into CERS. Label all containers, including empties.
Eval Division: Solano County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 390671
Facility Name: Coughran Mechanical Services, Inc.
Env Int Type Code: HMBP
Program ID: 10464631
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.182750
Longitude: -121.723860

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Lenese Coughran
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Coughran Mechanical Services, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Kirk Coughran
Entity Title: Not reported
Affiliation Address: P.O. Box 158
Affiliation City: Rio Vista
Affiliation State: CA
Affiliation Country: United States

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

Affiliation Zip:	94571
Affiliation Phone:	(707) 374-2100
Affiliation Type Desc:	CUPA District
Entity Name:	Solano County Env Health
Entity Title:	Not reported
Affiliation Address:	675 Texas Street, Suite 5500
Affiliation City:	Fairfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	(707) 784-6765
Affiliation Type Desc:	Environmental Contact
Entity Name:	Lenese Coughran
Entity Title:	Not reported
Affiliation Address:	P.O. Box 158
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94571
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. box 158
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94571
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Coughran Mechanical Services, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 374-2100
Affiliation Type Desc:	Property Owner
Entity Name:	John Coughran Exempt. Trust
Entity Title:	Not reported
Affiliation Address:	1015 Bridge Towne Dr.
Affiliation City:	Lodi
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95242
Affiliation Phone:	(209) 369-5235
Affiliation Type Desc:	Identification Signer
Entity Name:	Lenese Coughran
Entity Title:	Safety/Paroll Manager
Affiliation Address:	Not reported

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

C9 **COUGHRAN MECHANICAL SERVICES INC** **UST** **U003975760**
ESE **3053 LIBERTY ISLAND RD** **N/A**
1/8-1/4 **RIO VISTA, CA 94571**
0.144 mi.
761 ft. **Site 2 of 2 in cluster C**

Relative: **Higher**
Actual: **52 ft.**

SOLANO CO. UST:

Name:	COUGHRAN MECHANICAL SERVICES INC
Address:	3053 LIBERTY ISLAND RD
City,State,Zip:	RIO VISTA, CA 94571
Facility Id:	70042
Facility Status:	Inactive
Decode for Facility Status:	Closed
Facility Phone:	707-374-2100
Inventory Number:	1
Inventory Type:	Underground Storage Tank (1)
Inventory Description:	UST NEVER EXISTED AT SITE
Permit Expire/Last Service:	Not reported
Last Service Date:	Not reported
District:	SUP-DIST NO 3038
Inspector:	Osier, Courtney A

D10 **PRODUCTION POWER INC** **RCRA NonGen / NLR** **1000193047**
SE **HWY12 & LIBERTY ISLAND RD** **HAZNET** **CAD981669609**
1/8-1/4 **RIO VISTA, CA 94571** **HWTS**
0.163 mi.
862 ft. **Site 1 of 2 in cluster D**

Relative: **Higher**
Actual: **52 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		1994-08-24 00:00:00.0
Handler Name:	PRODUCTION POWER INC	
Handler Address:		HWY12 & LIBERTY ISLAND RD
Handler City,State,Zip:		RIO VISTA, CA 94571
EPA ID:		CAD981669609
Contact Name:		ROXANNE ROBERTS
Contact Address:		HWY12 & LIBERTY ISLAND RD
Contact City,State,Zip:		RIO VISTA, CA 94571
Contact Telephone:		918-599-6138
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported

PRODUCTION POWER INC (Continued) **1000193047**

State District Owner:	CA
State District:	2
Mailing Address:	PO BOX 240
Mailing City,State,Zip:	TULSA, OK 74101
Owner Name:	PRODUCTION POWER INC
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:28:54.0
Recognized Trader-Importer:	No

PRODUCTION POWER INC (Continued) **1000193047**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PRODUCTION POWER INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1994-08-24 00:00:00.0
Handler Name: PRODUCTION POWER INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1988-07-27 00:00:00.0

PRODUCTION POWER INC (Continued) **1000193047**

Actual Return to Compliance Date: 1988-12-28 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1988-11-18 00:00:00.0
Enforcement Identifier: 001
Date of Enforcement Action: 1988-09-27 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: R9
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 1988-07-27 00:00:00.0
Actual Return to Compliance Date: 1988-12-28 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 1988-09-27 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: R9
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

PRODUCTION POWER INC (Continued) **1000193047**

Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1988-07-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-12-28 00:00:00.0
Scheduled Compliance Date:	1988-11-18 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-07-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-12-28 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

HAZNET:

Name:	PRODUCTION POWER INC
Address:	HWY12 & LIBERTY ISLAND RD
Address 2:	Not reported
City,State,Zip:	RIO VISTA, CA 945710000
Contact:	CANCELLED PER LTR ON 8/17/94
Telephone:	9185996138
Mailing Name:	Not reported
Mailing Address:	PO BOX 848
Year:	1995
Gepaid:	CAD981669609
TSD EPA ID:	CAD980883177

PRODUCTION POWER INC (Continued) **1000193047**

CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 2.085

Year: 1994
Gepaid: CAD981669609
TSD EPA ID: CAD980883177
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 4.17

Year: 1993
Gepaid: CAD981669609
TSD EPA ID: CAD980883177
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 3.336

Year: 1992
Gepaid: CAD981669609
TSD EPA ID: CAD980883177
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 11.3841

Year: 1992
Gepaid: CAD981669609
TSD EPA ID: CAD009203100
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 5.838

Year: 1992
Gepaid: CAD981669609
TSD EPA ID: CAD009203100
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: -
Tons: 18.1395

Year: 1991
Gepaid: CAD981669609
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: -
Tons: 0.325

Year: 1991
Gepaid: CAD981669609
TSD EPA ID: CAD009203100
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: -
Tons: 10.9671

Year: 1991
Gepaid: CAD981669609
TSD EPA ID: CAD009203100
CA Waste Code: 135 - Unspecified aqueous solution

PRODUCTION POWER INC (Continued) **1000193047**

Disposal Method: H01 - Transfer Station
Tons: 5.2125

Year: 1991
Gepaid: CAD981669609
TSD EPA ID: CAT080010101
CA Waste Code: 461 - Paint sludge
Disposal Method: -
Tons: 0.4587

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

Additional Info:
Year: 1994
Gen EPA ID: CAD981669609

Shipment Date: 19940307
Creation Date: 9/15/1995 0:00:00
Receipt Date: 19940307
Manifest ID: 93185662
Trans EPA ID: CAT000624247
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980883177
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 4.17
Waste Quantity: 1000
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1993
Gen EPA ID: CAD981669609

Shipment Date: 19930813
Creation Date: 9/11/1995 0:00:00
Receipt Date: 19930813
Manifest ID: 92226923
Trans EPA ID: CAT000624247
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980883177
Trans Name: Not reported

PRODUCTION POWER INC (Continued) **1000193047**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.336
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD981669609
Shipment Date:	19950116
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19950116
Manifest ID:	92226654
Trans EPA ID:	CAT000624247
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980883177
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980883177
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.085
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PRODUCTION POWER INC
Address:	HWY12 & LIBERTY ISLAND RD
Address 2:	Not reported
City,State,Zip:	RIO VISTA, CA 945710000
EPA ID:	CAD981669609
Inactive Date:	08/17/1994
Create Date:	04/10/1987
Last Act Date:	08/10/2004
Mailing Name:	Not reported
Mailing Address:	PO BOX 848
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RIO VISTA, CA 945710000
Owner Name:	--

PRODUCTION POWER INC (Continued) **1000193047**

Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	CANCELLED PER LTR ON 8/17/94
Contact Address:	BY ROXANNE ROBERTS
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

D11 **B-C SERV INC** **RCRA NonGen / NLR** **1000131531**
SE **HWY 12- LIBERTY ISLAND RD** **CAD000389973**
1/8-1/4 **RIO VISTA, CA 94571**
0.163 mi.
862 ft. **Site 2 of 2 in cluster D**

Relative: **Higher**
Actual: **52 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		1980-07-28 00:00:00.0
Handler Name:	B-C SERV INC	
Handler Address:		HWY 12- LIBERTY ISLAND RD
Handler City,State,Zip:		RIO VISTA, CA 94571
EPA ID:		CAD000389973
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		HWY 12- LIBERTY ISLAND RD
Contact City,State,Zip:		RIO VISTA, CA 94571
Contact Telephone:		707-374-5744
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		2
Mailing Address:		PO.BOX B
Mailing City,State,Zip:		RIO VISTA, CA 94571
Owner Name:		DENNIS BIRDSELL & JACK COUGHRAN
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		Yes
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

B-C SERV INC (Continued) **1000131531**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:22:15.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DENNIS BIRDSELL & JACK COUGHRAN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private

B-C SERV INC (Continued) **1000131531**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1980-07-28 00:00:00.0
Handler Name: B-C SERV INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	48411
NAICS Description:	GENERAL FREIGHT TRUCKING, LOCAL

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B12 **WILLIAMS MOBILE SERVICE** **RCRA NonGen / NLR** **1024831174**
WSW **3047 CATTEY LN** **CAL000367334**
1/8-1/4 **RIO VISTA, CA 94571**
0.169 mi.
891 ft. **Site 4 of 5 in cluster B**

Relative:
Higher

Actual:
58 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2011-09-09 00:00:00.0
Handler Name:	WILLIAMS MOBILE SERVICE
Handler Address:	3047 CATTEY LN
Handler City,State,Zip:	RIO VISTA, CA 94571
EPA ID:	CAL000367334
Contact Name:	LEE WILLIAMS
Contact Address:	3047 CATTEY LN
Contact City,State,Zip:	RIO VISTA, CA 94571
Contact Telephone:	707-374-2717
Contact Fax:	707-374-2763
Contact Email:	WILLIAMSMOBILESERVICE@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified

WILLIAMS MOBILE SERVICE (Continued) **1024831174**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3047 CATTEY LN
Mailing City,State,Zip:	RIO VISTA, CA 94571
Owner Name:	LEE WILLIAMS
Owner Type:	Other
Operator Name:	LEE WILLIAMS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

WILLIAMS MOBILE SERVICE (Continued) **1024831174**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 16:59:35.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LEE WILLIAMS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3047 CATTEY LN
Owner/Operator City,State,Zip:	RIO VISTA, CA 94571
Owner/Operator Telephone:	707-374-2717
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LEE WILLIAMS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3047 CATTEY LN
Owner/Operator City,State,Zip:	RIO VISTA, CA 94571
Owner/Operator Telephone:	707-374-2717
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2011-09-09 00:00:00.0
Handler Name: WILLIAMS MOBILE SERVICE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

WILLIAMS MOBILE SERVICE (Continued) **1024831174**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B13 WSW 1/8-1/4 0.169 mi. 891 ft. **WILLIAMS MOBILE SERVICE INC.** **CERS HAZ WASTE** **S121793132**
3047 CATTEY LN **CERS** **N/A**
RIO VISTA, CA 94571

Site 5 of 5 in cluster B

Relative: Higher
Actual: 58 ft.

CERS HAZ WASTE:
Name: WILLIAMS MOBILE SERVICE INC.
Address: 3047 CATTEY LN
City,State,Zip: RIO VISTA, CA 94571
Site ID: 86132
CERS ID: 10459192
CERS Description: Hazardous Waste Generator

CERS:
Name: WILLIAMS MOBILE SERVICE INC.
Address: 3047 CATTEY LN
City,State,Zip: RIO VISTA, CA 94571
Site ID: 86132
CERS ID: 10459192
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 86132
Site Name: Williams Mobile Service Inc.
Violation Date: 01-29-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/29/2015.
Violation Division: Solano County Environmental Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015

WILLIAMS MOBILE SERVICE INC. (Continued) **S121793132**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	86132
Facility Name:	Williams Mobile Service Inc.
Env Int Type Code:	HWG
Program ID:	10459192
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	38.182210
Longitude:	-121.731130

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 397
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94571
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Williams Mobile Service Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Robert Cattey
Entity Title:	Not reported
Affiliation Address:	P.O. 415
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94571
Affiliation Phone:	(209) 603-6765

Affiliation Type Desc:	Document Preparer
Entity Name:	Lee Williams
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

WILLIAMS MOBILE SERVICE INC. (Continued) **S121793132**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Lee Williams
Entity Title:	Not reported
Affiliation Address:	P.O. Box 397
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94571
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Lee Williams
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Solano County Env Health
Entity Title:	Not reported
Affiliation Address:	675 Texas Street, Suite 5500
Affiliation City:	Fairfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	(707) 784-6765
Affiliation Type Desc:	Legal Owner
Entity Name:	Lee Williams
Entity Title:	Not reported
Affiliation Address:	P.O. Box 397
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94571
Affiliation Phone:	(707) 374-2717
Affiliation Type Desc:	Operator
Entity Name:	Lee Williams
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 689-3960

E14
SW
1/8-1/4
0.170 mi.
899 ft.

RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC
3035 CATTEY LN
RIO VISTA, CA 94571

Site 1 of 4 in cluster E

CERS HAZ WASTE
CERS

S121791825
N/A

Relative:
Higher

Actual:
62 ft.

CERS HAZ WASTE:

Name:	RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC
Address:	3035 CATTEY LN
City,State,Zip:	RIO VISTA, CA 94571
Site ID:	77496
CERS ID:	10418389
CERS Description:	Hazardous Waste Generator

CERS:

Name:	RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC
Address:	3035 CATTEY LN
City,State,Zip:	RIO VISTA, CA 94571
Site ID:	77496
CERS ID:	10418389
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC
Violation Date:	09-25-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 10/23/2014.
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC
Violation Date:	09-25-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/23/2014.
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC
Violation Date:	09-25-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/23/2014.

RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC (Continued) **S121791825**

Violation Division: Solano County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 77496
Site Name: RESA Power Solutions-Transformer Services, LLC
Violation Date: 09-25-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 10/23/2014.
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 77496
Site Name: RESA Power Solutions-Transformer Services, LLC
Violation Date: 09-25-2014
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 10/23/2014.
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 77496
Site Name: RESA Power Solutions-Transformer Services, LLC
Violation Date: 09-25-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 10/23/2014.
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 77496
Site Name: RESA Power Solutions-Transformer Services, LLC
Violation Date: 09-25-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/23/2014.
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency

RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC (Continued) **S121791825**

Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-25-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	77496
Facility Name:	RESA Power Solutions-Transformer Services, LLC
Env Int Type Code:	HWG
Program ID:	10418389
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	38.180080
Longitude:	-121.730030

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Solano County Env Health
Entity Title:	Not reported
Affiliation Address:	675 Texas Street, Suite 5500
Affiliation City:	Fairfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	(707) 784-6765
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1180 Horizon Drive, Suite E
Affiliation City:	Fairfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	RESA Power Solutions, LLC
Entity Title:	Not reported
Affiliation Address:	2390 Zanker Road
Affiliation City:	SAN JOSE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95131
Affiliation Phone:	(800) 576-7372
Affiliation Type Desc:	Parent Corporation

RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC (Continued) **S121791825**

Entity Name:	RESA Power Solutions-Transformer Services, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Greg Caples
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Mark Angus
Entity Title:	Not reported
Affiliation Address:	1180 Horizon Drive, Suite E
Affiliation City:	Fairfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Mark Angus
Entity Title:	West Coast COO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Mark Angus
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(832) 684-5877
Affiliation Type Desc:	Property Owner
Entity Name:	Robert Cattey
Entity Title:	Not reported
Affiliation Address:	P. O. Box 415
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94571

RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC (Continued) **S121791825**

Affiliation Phone: (209) 603-6765

E15 **TRANSFORMER TESTING & REPAIRS, INC.** **AST** **A100425388**
SW **3035 CATTEY LN** **N/A**
1/8-1/4 **RIO VISTA, CA 94571**
0.170 mi.
899 ft. **Site 2 of 4 in cluster E**

Relative: **Higher**
Actual: **62 ft.**

AST:

Name:	TRANSFORMER TESTING & REPAIRS, INC.
Address:	3035 CATTEY LN
City/Zip:	RIO VISTA,94571
Certified Unified Program Agencies:	Not reported
Owner:	Yen Ling "Jenny" Chai-Caples
Total Gallons:	Not reported
CERSID:	10418389
Facility ID:	48-000-080850
Business Name:	Transformer Testing & Repairs, Inc.
Phone:	NA
Fax:	707-421-9662
Mailing Address:	P.O. Box 2219
Mailing Address City:	Suisun City
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	Greg Caples
Operator Phone:	707-421-9398
Owner Phone:	707-421-9398
Owner Mail Address:	P.O. Box 2219
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Robert Cattey
Property Owner Phone:	209-603-6765
Property Owner Mailing Address:	P. O. Box 415
Property Owner City:	Rio Vista
Property Owner Stat :	CA
Property Owner Zip Code:	94571
Property Owner Country:	United States
EPAID:	CAL000324288

E16 **MICHELS PIPELINE RIO VISTA YARD** **CERS HAZ WASTE** **S121743358**
SW **3033 CATTEY LN** **CERS** **N/A**
1/8-1/4 **RIO VISTA, CA 94571**
0.173 mi.
912 ft. **Site 3 of 4 in cluster E**

Relative: **Higher**
Actual: **62 ft.**

CERS HAZ WASTE:

Name:	MICHELS PIPELINE RIO VISTA YARD
Address:	3033 CATTEY LN
City,State,Zip:	RIO VISTA, CA 94571
Site ID:	134957
CERS ID:	10590322
CERS Description:	Hazardous Waste Generator

MICHELS PIPELINE RIO VISTA YARD (Continued) **S121743358**

CERS:

Name:	MICHELS PIPELINE RIO VISTA YARD
Address:	3033 CATTEY LN
City,State,Zip:	RIO VISTA, CA 94571
Site ID:	134957
CERS ID:	10590322
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	134957
Site Name:	Michels Pipeline Rio Vista Yard
Violation Date:	08-19-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/29/2014. Please submit hazardous material inventory, including all gases stored above the threshold of 200 cubic feet, to CERS
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	134957
Site Name:	Michels Pipeline Rio Vista Yard
Violation Date:	08-19-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 09/29/2014. Please submit emergency procedures and phone numbers to CERS
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	134957
Site Name:	Michels Pipeline Rio Vista Yard
Violation Date:	08-19-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/29/2014. Observed above reportable levels of hazardous materials, including gases. Please submit HMBP to CERS
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	134957
Site Name:	Michels Pipeline Rio Vista Yard
Violation Date:	08-19-2014
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

MICHELS PIPELINE RIO VISTA YARD (Continued) **S121743358**

Violation Description:	Business Plan Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/29/2014. Observed empty propane cylinders, drums and portable diesel tanks. Please dispose of properly, label as "EMPTY", or include in max daily capacity
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	134957
Site Name:	Michels Pipeline Rio Vista Yard
Violation Date:	08-19-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 09/29/2014. Please submit site map to CERS
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility stores equipment for projects. Site does not routinely generate haz waste
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility stores equipment for projects.
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	134957
Facility Name:	Michels Pipeline Rio Vista Yard
Env Int Type Code:	HMBP
Program ID:	10590322
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	38.181625
Longitude:	-121.731094

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Solano County Env Health
Entity Title:	Not reported
Affiliation Address:	675 Texas Street, Suite 5500
Affiliation City:	Fairfield

MICHELS PIPELINE RIO VISTA YARD (Continued) **S121743358**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	(707) 784-6765
Affiliation Type Desc:	Environmental Contact
Entity Name:	Mark Franz
Entity Title:	Not reported
Affiliation Address:	817 W. Main Street
Affiliation City:	Brownsville
Affiliation State:	WI
Affiliation Country:	Not reported
Affiliation Zip:	53006
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Michels Pipeline Construction
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(425) 952-6235
Affiliation Type Desc:	Parent Corporation
Entity Name:	Michels Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Robert Cattey
Entity Title:	Not reported
Affiliation Address:	PO Box 415
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94571
Affiliation Phone:	(209) 603-6765
Affiliation Type Desc:	Legal Owner
Entity Name:	Michels Corporation
Entity Title:	Not reported
Affiliation Address:	817 W. Main Street
Affiliation City:	Brownsville
Affiliation State:	WI
Affiliation Country:	United States
Affiliation Zip:	53006
Affiliation Phone:	(920) 583-3132
Affiliation Type Desc:	Document Preparer
Entity Name:	Mark Franz

MICHELS PIPELINE RIO VISTA YARD (Continued) **S121743358**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3033 Cattey Road
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94571
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Mark Franz
Entity Title:	Pipeline Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E17 **B&L EQUIPMENT RENTALS INC** **RCRA NonGen / NLR** **1025874063**
WSW **3041 CATTEY LN** **CAL000447192**
1/8-1/4 **RIO VISTA, CA 94571**
0.176 mi.
928 ft. **Site 4 of 4 in cluster E**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:	2019-06-28 00:00:00.0
Handler Name:	B&L EQUIPMENT RENTALS INC
Handler Address:	3041 CATTEY LN
Handler City,State,Zip:	RIO VISTA, CA 94571
EPA ID:	CAL000447192
Contact Name:	STUART FELIZ
Contact Address:	3041 CATTEY LN
Contact City,State,Zip:	RIO VISTA, CA 94571
Contact Telephone:	661-742-9050
Contact Fax:	661-587-3677
Contact Email:	SFELIZ@BLSERVICESINC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 22260

Actual:
60 ft.

B&L EQUIPMENT RENTALS INC (Continued) **1025874063**

Mailing City,State,Zip:	BAKERSFIELD, CA 93390-0000
Owner Name:	B&L EQUIPMENT RENTALS INC
Owner Type:	Other
Operator Name:	STUART FELIZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-07-29 17:14:04.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No

B&L EQUIPMENT RENTALS INC (Continued) **1025874063**

Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: B&L EQUIPMENT RENTALS INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 21054 KRATZMEYER RD
Owner/Operator City,State,Zip: BAKERSFIELD, CA 93314
Owner/Operator Telephone: 661-589-9080
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: STUART FELIZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3041 CATTEY LN
Owner/Operator City,State,Zip: RIO VISTA, CA 94571
Owner/Operator Telephone: 661-742-9050
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2019-06-28 00:00:00.0
Handler Name: B&L EQUIPMENT RENTALS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 238910
NAICS Description: SITE PREPARATION CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F18 **COUGHRAN MECHANICAL SERVICES** **RCRA-SQG** **1000595711**
East **3053 LIBERTY ISLE RD** **FINDS** **CAD983596636**
1/8-1/4 **RIO VISTA, CA 94571** **ECHO**
0.185 mi. **HAZNET**
975 ft. **Site 1 of 3 in cluster F** **CERS**
HWTS

Relative:
Lower

Actual:
50 ft.

RCRA-SQG:

Date Form Received by Agency:	1991-07-25 00:00:00.0
Handler Name:	COUGHRAN MECHANICAL SERVICES
Handler Address:	3053 LIBERTY ISLE RD
Handler City,State,Zip:	RIO VISTA, CA 94571
EPA ID:	CAD983596636
Contact Name:	JASON DEVLIN
Contact Address:	3053 LIBERTY ISLE RD
Contact City,State,Zip:	RIO VISTA, CA 94571
Contact Telephone:	707-374-2100
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4R
Mailing Address:	P O BOX 566
Mailing City,State,Zip:	RIO VISTA, CA 94571
Owner Name:	JACK COUGHRAN
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:35:29.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JACK COUGHRAN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Historic Generators:
Receive Date: 1991-07-25 00:00:00.0
Handler Name: COUGHRAN MECHANICAL SERVICES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002854224

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000595711
Registry ID: 110002854224
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002854224
Name: COUGHRAN MECHANICAL SERVICES
Address: 3053 LIBERTY ISLE RD
City,State,Zip: RIO VISTA, CA 94571

HAZNET:

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Name:	COUGHRAN MECHANICAL SERVICES
Address:	3053 LIBERTY ISLE RD
Address 2:	Not reported
City,State,Zip:	RIO VISTA, CA 945710158
Contact:	LENESE COUGHRAN
Telephone:	7073742100
Mailing Name:	Not reported
Mailing Address:	PO BOX 158
Year:	2019
Gepaid:	CAD983596636
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.52500
Year:	2018
Gepaid:	CAD983596636
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.90000
Year:	2018
Gepaid:	CAD983596636
TSD EPA ID:	AZR000515924
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.37400
Year:	2018
Gepaid:	CAD983596636
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.96250
Year:	2017
Gepaid:	CAD983596636
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.7085
Year:	2016
Gepaid:	CAD983596636
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.525

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Year:	2015
Gepaid:	CAD983596636
TSD EPA ID:	NVT330010000
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1

Year:	2015
Gepaid:	CAD983596636
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1

Year:	2014
Gepaid:	CAD983596636
TSD EPA ID:	NVT330010000
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.75

Year:	2013
Gepaid:	CAD983596636
TSD EPA ID:	CAD980884183
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.75

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

Additional Info:

Year:	1996
Gen EPA ID:	CAD983596636
Shipment Date:	19960606
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960606
Manifest ID:	96236611
Trans EPA ID:	CAD980695761
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.14
Waste Quantity:	300

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD983596636
Shipment Date:	20150903
Creation Date:	2/26/2016 22:15:15
Receipt Date:	20150911
Manifest ID:	014520432JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150424
Creation Date:	11/6/2015 22:15:07
Receipt Date:	20150505
Manifest ID:	013452985JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2007
Gen EPA ID: CAD983596636

Shipment Date: 20071217
Creation Date: 5/21/2008 18:30:15
Receipt Date: 20071227
Manifest ID: 000720781SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 1.2
Waste Quantity: 2400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20071121
Creation Date: 4/22/2008 18:30:43
Receipt Date: 20071203
Manifest ID: 000721083SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD
TSDF EPA ID: TXD077603371
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.45
Waste Quantity: 900
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Shipment Date:	20071121
Creation Date:	4/22/2008 18:30:43
Receipt Date:	20071203
Manifest ID:	000721083SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071121
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071128
Manifest ID:	000681795SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070926
Creation Date:	3/18/2008 18:30:12
Receipt Date:	20071009
Manifest ID:	000639235SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070916
Creation Date:	3/11/2008 18:30:23
Receipt Date:	20071004
Manifest ID:	000630894SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070916
Creation Date:	3/11/2008 18:30:23
Receipt Date:	20071004
Manifest ID:	000630894SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

	Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070907
Creation Date:	3/4/2008 18:30:55
Receipt Date:	20070917
Manifest ID:	000606303SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070703
Creation Date:	2/5/2008 18:30:06
Receipt Date:	20070717
Manifest ID:	000060994SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 5:	Not reported
Shipment Date:	20070703
Creation Date:	2/5/2008 18:30:06
Receipt Date:	20070717
Manifest ID:	000060994SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.525
Waste Quantity:	1050
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAD983596636
Shipment Date:	20111208
Creation Date:	3/12/2012 20:30:14
Receipt Date:	20111208
Manifest ID:	008484466JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	DK DIXON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5004
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111205

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Creation Date:	4/19/2012 20:30:10
Receipt Date:	20111213
Manifest ID:	008484465JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111014
Creation Date:	12/27/2011 18:30:38
Receipt Date:	20111014
Manifest ID:	008483894JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	DK DIXON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5838
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111013
Creation Date:	3/23/2012 20:30:11
Receipt Date:	20111025
Manifest ID:	008483893JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110817
Creation Date:	2/11/2012 20:30:14
Receipt Date:	20110826
Manifest ID:	008483184JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110817
Creation Date:	11/20/2012 22:15:16
Receipt Date:	20110830
Manifest ID:	008481651JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.475
Waste Quantity:	950
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20110715
Creation Date:	9/1/2011 18:31:36
Receipt Date:	20110718
Manifest ID:	007884456JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446874
Trans Name:	EVERGREEN OIL INC DAVIS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110715
Creation Date:	12/20/2011 18:30:15
Receipt Date:	20110726
Manifest ID:	008481578JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110609
Creation Date:	11/15/2012 22:16:03
Receipt Date:	20110621
Manifest ID:	008482804JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H111 - Stabilization Or Chemical Fixation Prior To Disposal At Another Site
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110609
Creation Date:	7/23/2011 18:30:39
Receipt Date:	20110614
Manifest ID:	008482805JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446874
Trans Name:	EVERGREEN OIL INC DAVIS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD983596636

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Shipment Date:	20001026
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001031
Manifest ID:	20599884
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD983596636

Shipment Date:	20030919
Creation Date:	8/3/2004 15:00:31
Receipt Date:	20030923
Manifest ID:	22756465
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030709
Creation Date:	7/26/2004 18:31:36
Receipt Date:	20030715
Manifest ID:	22533401
Trans EPA ID:	CAD044003556

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030425
Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030430
Manifest ID:	22623026
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030214
Creation Date:	3/16/2007 18:30:41
Receipt Date:	20030218
Manifest ID:	22065283
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAD983596636
Shipment Date:	20081105
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081114
Manifest ID:	001006471SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081001
Creation Date:	2/20/2009 18:30:08
Receipt Date:	20081010
Manifest ID:	001206378SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080916
Creation Date:	1/28/2009 18:30:25
Receipt Date:	20080924
Manifest ID:	001526219SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080916
Creation Date:	1/28/2009 18:30:18
Receipt Date:	20080922
Manifest ID:	001526220SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080916
Creation Date:	1/28/2009 18:30:18

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Receipt Date:	20080922
Manifest ID:	001022332SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080820
Creation Date:	12/30/2008 18:30:27
Receipt Date:	20080827
Manifest ID:	001006472SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.05
Waste Quantity:	2100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080710
Creation Date:	11/14/2008 18:30:08
Receipt Date:	20080718
Manifest ID:	001277041SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	2.1
Waste Quantity:	4200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080710
Creation Date:	11/14/2008 18:30:08
Receipt Date:	20080718
Manifest ID:	001277041SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080415
Creation Date:	9/12/2008 18:30:16
Receipt Date:	20080423
Manifest ID:	001063152SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.05
Waste Quantity:	2100

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080221
Creation Date:	7/22/2008 18:30:30
Receipt Date:	20080227
Manifest ID:	000630892SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD983596636
Shipment Date:	20051202
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051207
Manifest ID:	24778257
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050831
Creation Date:	4/13/2006 18:47:49
Receipt Date:	20050906
Manifest ID:	24883397
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM - RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	Not reported
Waste Quantity:	850
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050614
Creation Date:	10/13/2005 18:31:00
Receipt Date:	20050622
Manifest ID:	24317394
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050513
Creation Date:	8/17/2005 18:32:59
Receipt Date:	20050518
Manifest ID:	23544095
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050502
Creation Date:	7/27/2005 10:48:47
Receipt Date:	20050504
Manifest ID:	24317545
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050311
Creation Date:	6/2/2005 18:31:52
Receipt Date:	20050316
Manifest ID:	24312866
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050124
Creation Date:	4/29/2005 8:38:49
Receipt Date:	20050202
Manifest ID:	24217469
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD983596636
Shipment Date:	20101229
Creation Date:	3/28/2011 18:30:08
Receipt Date:	20110110
Manifest ID:	007884110JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101124
Creation Date:	2/19/2011 18:30:32
Receipt Date:	20101208
Manifest ID:	007883737JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101124
Creation Date:	1/12/2011 18:30:24
Receipt Date:	20101124
Manifest ID:	001059542GBF
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446874
Trans Name:	EVERGREEN OIL INC DAVIS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101111
Creation Date:	2/8/2011 18:30:17

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Receipt Date:	20101122
Manifest ID:	007883603JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101015
Creation Date:	1/3/2011 18:31:17
Receipt Date:	20101027
Manifest ID:	007400415JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100824
Creation Date:	12/3/2010 18:30:57
Receipt Date:	20100903
Manifest ID:	001059423GBF
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.875
Waste Quantity:	1750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100602
Creation Date:	8/26/2010 18:30:25
Receipt Date:	20100604
Manifest ID:	006587847JJK
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100316
Creation Date:	12/3/2010 18:30:16
Receipt Date:	20100323
Manifest ID:	002323025SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.15

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100316
Creation Date:	12/3/2010 18:30:16
Receipt Date:	20100322
Manifest ID:	002188319SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100316
Creation Date:	12/3/2010 18:30:16
Receipt Date:	20100323
Manifest ID:	002323025SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Info:

Year:	1999
Gen EPA ID:	CAD983596636
Shipment Date:	19991013
Creation Date:	1/4/2000 0:00:00
Receipt Date:	19991019
Manifest ID:	99565358
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD983596636
Shipment Date:	20141229
Creation Date:	6/25/2015 22:16:11
Receipt Date:	20150106
Manifest ID:	012778327JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Shipment Date:	20140912
Creation Date:	2/12/2015 22:15:04
Receipt Date:	20140923
Manifest ID:	012786140JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140610
Creation Date:	3/30/2015 22:15:06
Receipt Date:	20140617
Manifest ID:	012775564JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140313
Creation Date:	8/9/2014 22:15:29
Receipt Date:	20140324
Manifest ID:	010198830JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans 2 Name: WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 1.05
Waste Quantity: 2100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAD983596636

Shipment Date: 20170908
Creation Date: 11/1/2018 18:30:30
Receipt Date: 20170916
Manifest ID: 010689461JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: CAR000175422
Trans 2 Name: WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID: AZR000515924
Trans Name: YUMA YES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.6
Waste Quantity: 1200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170224
Creation Date: 5/10/2018 18:30:36
Receipt Date: 20170303
Manifest ID: 016706614JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: CAR000175422
Trans 2 Name: WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID: AZR000515924
Trans Name: YUMA YES LLC

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170224
Creation Date:	5/10/2018 18:30:36
Receipt Date:	20170303
Manifest ID:	016706614JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD983596636
Shipment Date:	20011107
Creation Date:	1/29/2002 0:00:00
Receipt Date:	20011113
Manifest ID:	21296881
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010824
Creation Date:	11/1/2001 0:00:00
Receipt Date:	20010829
Manifest ID:	20939853
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010222
Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010227
Manifest ID:	20735119
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 5: Not reported

Additional Info:
Year: 2004
Gen EPA ID: CAD983596636

Shipment Date: 20041203
Creation Date: 3/13/2007 18:30:13
Receipt Date: 20041208
Manifest ID: 24215748
Trans EPA ID: CAD044003556
Trans Name: RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D K ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: NA
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 0.3
Waste Quantity: 600
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040715
Creation Date: 11/5/2004 18:32:00
Receipt Date: 20040721
Manifest ID: 23812713
Trans EPA ID: CAD044003556
Trans Name: RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D K ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: NA
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 0.55
Waste Quantity: 1100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040401
Creation Date: 10/14/2004 7:49:48
Receipt Date: 20040407

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Manifest ID:	23813240
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040305
Creation Date:	8/23/2004 8:48:57
Receipt Date:	20040310
Manifest ID:	23331138
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD983596636

Shipment Date:	20121130
Creation Date:	6/16/2013 22:15:06
Receipt Date:	Not reported
Manifest ID:	010188699JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120926
Creation Date:	8/25/2013 22:15:09
Receipt Date:	20121012
Manifest ID:	010187638JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120809
Creation Date:	1/9/2013 22:15:17
Receipt Date:	20120824
Manifest ID:	010187127JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120615
Creation Date:	5/29/2013 22:15:25
Receipt Date:	20120627
Manifest ID:	009822123JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20120615
Creation Date:	5/29/2013 22:15:25
Receipt Date:	20120627
Manifest ID:	009822123JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 5:	Not reported
Shipment Date:	20120425
Creation Date:	10/19/2012 22:15:28
Receipt Date:	20120503
Manifest ID:	009817033JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120425
Creation Date:	10/19/2012 22:15:28
Receipt Date:	20120503
Manifest ID:	009817033JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20120425
Creation Date:	10/19/2012 22:15:28
Receipt Date:	20120503
Manifest ID:	009817033JJK
Trans EPA ID:	CAR000171017

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120424
Creation Date:	6/27/2012 20:30:23
Receipt Date:	20120426
Manifest ID:	009817032JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	DK DIXON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.77225
Waste Quantity:	425
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120312
Creation Date:	8/28/2012 22:15:13
Receipt Date:	20120322
Manifest ID:	009210944JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD983596636
Shipment Date:	20020925
Creation Date:	2/18/2003 18:31:24
Receipt Date:	20021001
Manifest ID:	21928553
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.55
Waste Quantity:	1100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020321
Creation Date:	7/17/2002 18:34:07
Receipt Date:	20020326
Manifest ID:	21792172
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD983596636
Shipment Date:	20060216
Creation Date:	7/5/2006 12:04:15
Receipt Date:	20060222
Manifest ID:	24853895
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD983596636
Shipment Date:	20091228
Creation Date:	7/20/2010 18:30:08
Receipt Date:	20100104
Manifest ID:	002323024SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091228
Creation Date:	7/19/2010 18:30:23
Receipt Date:	20100107
Manifest ID:	002351141SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.35
Waste Quantity:	2700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091007
Creation Date:	4/12/2010 18:30:17
Receipt Date:	20091019
Manifest ID:	002170555SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Shipment Date:	20091007
Creation Date:	4/12/2010 18:30:17
Receipt Date:	20091019
Manifest ID:	002170555SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091007
Creation Date:	4/12/2010 18:30:55
Receipt Date:	20091014
Manifest ID:	001022871SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090723
Creation Date:	1/8/2010 18:30:22
Receipt Date:	20090803
Manifest ID:	002008813SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090723
Creation Date:	1/8/2010 18:30:22
Receipt Date:	20090803
Manifest ID:	002008813SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090723
Creation Date:	1/8/2010 18:30:22
Receipt Date:	20090803
Manifest ID:	002008814SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

	Regeneration, Organics Recovery Ect
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090325
Creation Date:	7/20/2009 18:30:18
Receipt Date:	20090330
Manifest ID:	001762831SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090325
Creation Date:	7/31/2009 18:30:37
Receipt Date:	20090402
Manifest ID:	001762832SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAD983596636

Shipment Date: 20150903
Creation Date: 2/26/2016 22:15:15
Receipt Date: 20150911
Manifest ID: 014520432JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: CAR000175422
Trans 2 Name: WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID: AZR000515924
Trans Name: YUMA YES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1
Waste Quantity: 2000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150424
Creation Date: 11/6/2015 22:15:07
Receipt Date: 20150505
Manifest ID: 013452985JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 1
Waste Quantity: 2000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Info:

Year:	2013
Gen EPA ID:	CAD983596636
Shipment Date:	20131218
Creation Date:	5/14/2014 22:15:08
Receipt Date:	20131230
Manifest ID:	010191254JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.625
Waste Quantity:	1250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131024
Creation Date:	4/7/2014 22:15:17
Receipt Date:	20131030
Manifest ID:	010190884JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20131024
Creation Date:	4/7/2014 22:15:17
Receipt Date:	20131030

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Manifest ID:	010190884JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.272
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131024
Creation Date:	4/7/2014 22:15:17
Receipt Date:	20131030
Manifest ID:	010190884JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.2375
Waste Quantity:	2475
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130815
Creation Date:	9/20/2013 22:15:23
Receipt Date:	20130820
Manifest ID:	010198383JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130605
Creation Date:	7/27/2013 22:15:06
Receipt Date:	20130611
Manifest ID:	010197857JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130605
Creation Date:	7/27/2013 22:15:06
Receipt Date:	20130611
Manifest ID:	010197857JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.75

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130418
Creation Date:	6/13/2013 22:15:07
Receipt Date:	20130423
Manifest ID:	010197572JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130218
Creation Date:	4/12/2013 22:15:31
Receipt Date:	20130225
Manifest ID:	010189224JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

CERS:
Name: COUGHRAN MECHANICAL SERVICES
Address: 3053 LIBERTY ISLE RD
City,State,Zip: RIO VISTA, CA 94571
Site ID: 462673
CERS ID: 110002854224
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JASON DEVLIN
Entity Title: Not reported
Affiliation Address: 3053 LIBERTY ISLE ROAD
Affiliation City: RIOVISTA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Lenese Coughran
Entity Title: Not reported
Affiliation Address: POBOX 158
Affiliation City: RIOVISTA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: JOHN COUGHRAN EXMPT TRST
Entity Title: Not reported
Affiliation Address: 1015 BRIDGE TOWNE DR
Affiliation City: LODI
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: COUGHRAN MECHANICAL SERVICES
Address: 3053 LIBERTY ISLE RD
Address 2: Not reported
City,State,Zip: RIO VISTA, CA 945710000
EPA ID: CAD983596636
Inactive Date: Not reported
Create Date: 07/25/1991
Last Act Date: 08/31/2020
Mailing Name: Not reported
Mailing Address: PO BOX 158
Mailing Address 2: Not reported
Mailing City,State,Zip: RIO VISTA, CA 945710158
Owner Name: KIRK COUGHRAN
Owner Address: 89 BRUNING AVE
Owner Address 2: Not reported
Owner City,State,Zip: RIO VISTA, CA 945710000

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Contact Name: LENESE COUGHRAN
Contact Address: 3053 LIBERTY ISLE RD
Contact Address 2: P.O. BOX 158
City,State,Zip: RIO VISTA, CA 94571

NAICS:
EPA ID: CAD983596636
Create Date: 2002-03-14 16:36:27.000
NAICS Code: 1152
NAICS Description: Support Activities for Animal Production
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 11521
NAICS Description: Support Activities for Animal Production
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 23511
NAICS Description: Plumbing, Heating, and Air-Conditioning Contractors
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 442299
NAICS Description: All Other Home Furnishings Stores
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 45111
NAICS Description: Sporting Goods Stores
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 48839
NAICS Description: Other Support Activities for Water Transportation
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 561622
NAICS Description: Locksmiths
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 56179
NAICS Description: Other Services to Buildings and Dwellings
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 562991
NAICS Description: Septic Tank and Related Services
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 562998
NAICS Description: All Other Miscellaneous Waste Management Services
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2013-10-15 15:45:40.993
NAICS Code: 71151
NAICS Description: Independent Artists, Writers, and Performers
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811211
NAICS Description: Consumer Electronics Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811212
NAICS Description: Computer and Office Machine Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811219
NAICS Description: Other Electronic and Precision Equipment Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 81131
NAICS Description: Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811411
NAICS Description: Home and Garden Equipment Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2003-10-23 15:27:19.000
NAICS Code: 811412
NAICS Description: Appliance Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 81143
NAICS Description: Footwear and Leather Goods Repair
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2011-10-26 15:19:37.000
NAICS Code: 81149
NAICS Description: Other Personal and Household Goods Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

F19 **TOTAL COMPRESSION INC.** **UST** **U003113113**
East **3054 LIBERTY ISLAND RD** **SWEEPS UST** **N/A**
1/8-1/4 **RIO VISTA, CA 94571**
0.185 mi.
976 ft. **Site 2 of 3 in cluster F**

Relative: SOLANO CO. UST:
Lower
Name: TOTAL COMPRESSION INC.
Actual: Address: 3054 LIBERTY ISLAND RD
50 ft. City,State,Zip: RIO VISTA, CA 94571
Facility Id: 70349
Facility Status: Inactive
Decode for Facility Status: Closed

TOTAL COMPRESSION INC. (Continued) **U003113113**

Facility Phone: Not reported

Inventory Number: 1
Inventory Type: Underground Storage Tank (1)
Inventory Description: Not reported
Permit Expire/Last Service: Not reported
Last Service Date: Not reported
District: SUP-DIST NO 3038
Inspector: Osier, Courtney A

SWEEPS UST:
Name: TOTAL COMPRESSION INC.
Address: 3054 LIBERTY ISLAND RD
City: RIO VISTA
Status: Not reported
Comp Number: 70349
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 48-000-070349-000001
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 1

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20 ESE 1/8-1/4 0.196 mi. 1034 ft.

UNIVERSAL INDUSTRIAL SERVICE INC
HIWAY 12 & LIBERTY ISLAND RD
RIO VISTA, CA 94571

RCRA NonGen / NLR **1000431683**
CAT080031453

Relative: Higher

Actual: 52 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 1981-03-13 00:00:00.0
Handler Name: UNIVERSAL INDUSTRIAL SERVICE INC
Handler Address: HIWAY 12 & LIBERTY ISLAND RD
Handler City,State,Zip: RIO VISTA, CA 94571
EPA ID: CAT080031453
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: HIWAY 12 & LIBERTY ISLAND RD
Contact City,State,Zip: RIO VISTA, CA 94571
Contact Telephone: 707-374-5744
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

UNIVERSAL INDUSTRIAL SERVICE INC (Continued) **1000431683**

State District Owner:	CA
State District:	2
Mailing Address:	PO BOX 325
Mailing City,State,Zip:	RIO VISTA, CA 94571
Owner Name:	JACK COUGHRAN
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 04:02:06.0
Recognized Trader-Importer:	No

UNIVERSAL INDUSTRIAL SERVICE INC (Continued) **1000431683**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JACK COUGHRAN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1981-03-13 00:00:00.0
Handler Name:	UNIVERSAL INDUSTRIAL SERVICE INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F21
East
1/8-1/4
0.203 mi.
1074 ft.

COUGHRAN
3052 LIBERTY ISLAND RD
RIO VISTA, CA 94571

Site 3 of 3 in cluster F

SWEEPS UST **S106924951**
N/A

Relative:
Lower

Actual:
50 ft.

SWEEPS UST:

Name:	COUGHRAN
Address:	3052 LIBERTY ISLAND RD
City:	RIO VISTA
Status:	Not reported
Comp Number:	70042
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

22
SSE
1/2-1
0.736 mi.
3887 ft.

PG&E SERPA JUNCTION COMPRESSION STATION
1.5 MILES NORTHWEST OF RIO VISTA
RIO VISTA, CA 94571

ENVIROSTOR **S101482537**
N/A

Relative:
Higher

Actual:
103 ft.

ENVIROSTOR:

Name:	PG&E SERPA JUNCTION COMPRESSION STATION
Address:	1.5 MILES NORTHWEST OF RIO VISTA
City,State,Zip:	RIO VISTA, CA 94571
Facility ID:	48490008
Status:	Refer: RWQCB
Status Date:	04/16/1989
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
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:	11
Senate:	03
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	38.17274
Longitude:	-121.7242
APN:	NONE SPECIFIED
Past Use:	UTILITY - NATURAL GAS

PG&E SERPA JUNCTION COMPRESSION STATION (Continued) **S101482537**

Potential COC: TPH-gas
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: SERPA JUNCTION COMPRESSION STATION- PG&E
Alias Type: Alternate Name
Alias Name: 48490008
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/22/1986
Comments: FACILITY IDENTIFIED. PG&E DISCOVERED PETROLEUM HYDROCARBONS IN SUBSURFACE SOILS DURING A GEOTECHNICAL INVESTIGATION FOR CONSTRUCTION OF NEW CONTAINMENT STRUCTURES. PG&E INFORMED DHS AND RWQCB.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/16/1989
Comments: RWQCB LEAD. SITE SCREENING DONE NO FURTHER ACTION UNDER CERCLA BECAUSE PETROLEUM PRODUCTS AND BY-PRODUCTS ARE NOT REGULATED.

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

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIO VISTA	S106230505	PG&E GAS DEHYDRATOR STATION, RIO V	HIGHWAY 12 AND AZEREDO RDS		CPS-SLIC
RIO VISTA	S106230506	PG&E GAS DEHYDRATOR STATION, COMPR	HIGHWAY 12, 2 MILES EAST OF RI		CPS-SLIC
RIO VISTA	S106230296	COLUMBIA HELICOPTERS** [SOME ARCHI	HIGHWAY 20 AT MILEPOST 40.19,		CPS-SLIC
RIO VISTA	S107539442		MOTTS LN & HWY 12 (3 BLOCKS)		CDL
RIO VISTA	S106911481	TRILOGY - SHEA HOMES - SLIC	SUMMERSET DR	94571	LUST

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

Federal NPL site list

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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
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

Federal Delisted NPL site list

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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

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

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 05/10/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/05/2021
Next Scheduled EDR Contact: 11/22/2021
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: 05/17/2021
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: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
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: 05/17/2021
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: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
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: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

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: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

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: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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 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 5: Leaking Underground Storage Tank Database

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

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

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

LUST REG 4: Underground Storage Tank Leak List

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

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

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

LUST: 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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

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

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

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

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

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

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

LUST REG 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

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

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

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

LUST REG 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 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

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

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
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

State and tribal registered storage tank lists

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

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
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: 05/20/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/30/2021
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
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: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

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: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: No Update Planned

State and tribal Brownfields 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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/22/2021
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: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

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

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

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: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
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: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

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

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

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

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

HIST UST: Hazardous Substance Storage Container Database

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

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

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

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/14/2021
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: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
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: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 04/04/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

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

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

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 05/04/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 10/25/2021
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: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
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: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
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: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 87
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 12/13/2021
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: 05/07/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 11/15/2021
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: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
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: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/03/2021
Next Scheduled EDR Contact: 12/13/2021
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: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
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: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
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: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

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

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

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

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

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

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/12/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
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: No Update Planned

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: No Update Planned

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: 05/03/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 78

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/25/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
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: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
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: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 81

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

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

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

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

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
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: 05/25/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
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: 05/18/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/05/2021
Number of Days to Update: 78
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 74
Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICE: ICE

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

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
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: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

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

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

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

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
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: 05/06/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
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: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
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: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

UIC: UIC Listing

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

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

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

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
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: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

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

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
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: 06/07/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
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: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/12/2021
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

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

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

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

Non-Case Information sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

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

Other Oil & Gas Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

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

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

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: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

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

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
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: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
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: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
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: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
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: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 04/22/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

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

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
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: 08/24/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
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: 08/31/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

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

Date of Government Version: 04/12/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

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

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
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: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/12/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 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: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

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

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 81

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
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: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
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: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

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

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

MENDOCINO COUNTY:

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

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 04/07/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 73

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2021
Next Scheduled EDR Contact: 11/28/2021
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: 08/31/2021
Next Scheduled EDR Contact: 12/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

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

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
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: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
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: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 07/15/2021
Number of Days to Update: 77

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

ORANGE COUNTY:

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

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

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

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 04/29/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

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

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
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: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/27/2021
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: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/11/2021
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: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 85
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 19
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/01/2021
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: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
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: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

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: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

SAN LUIS OBISPO COUNTY:

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

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/20/2021
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: 08/31/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: No Update Planned

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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/29/2021
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: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
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: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

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

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: No Update Planned

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/12/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 10/04/2021
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: 04/01/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
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: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 03/29/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
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: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
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: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/26/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
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: 03/26/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

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

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
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: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
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: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2021
Next Scheduled EDR Contact: 11/29/2021
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: 09/01/2021
Next Scheduled EDR Contact: 12/20/2021
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BRANN RANCH
7989 HIGHWAY 12
RIO VISTA, CA 94571

TARGET PROPERTY COORDINATES

Latitude (North):	38.183595 - 38° 11' 0.94''
Longitude (West):	121.727384 - 121° 43' 38.58''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	611458.1
UTM Y (Meters):	4226744.5
Elevation:	51 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5619744 RIO VISTA, CA
Version Date:	2012

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).

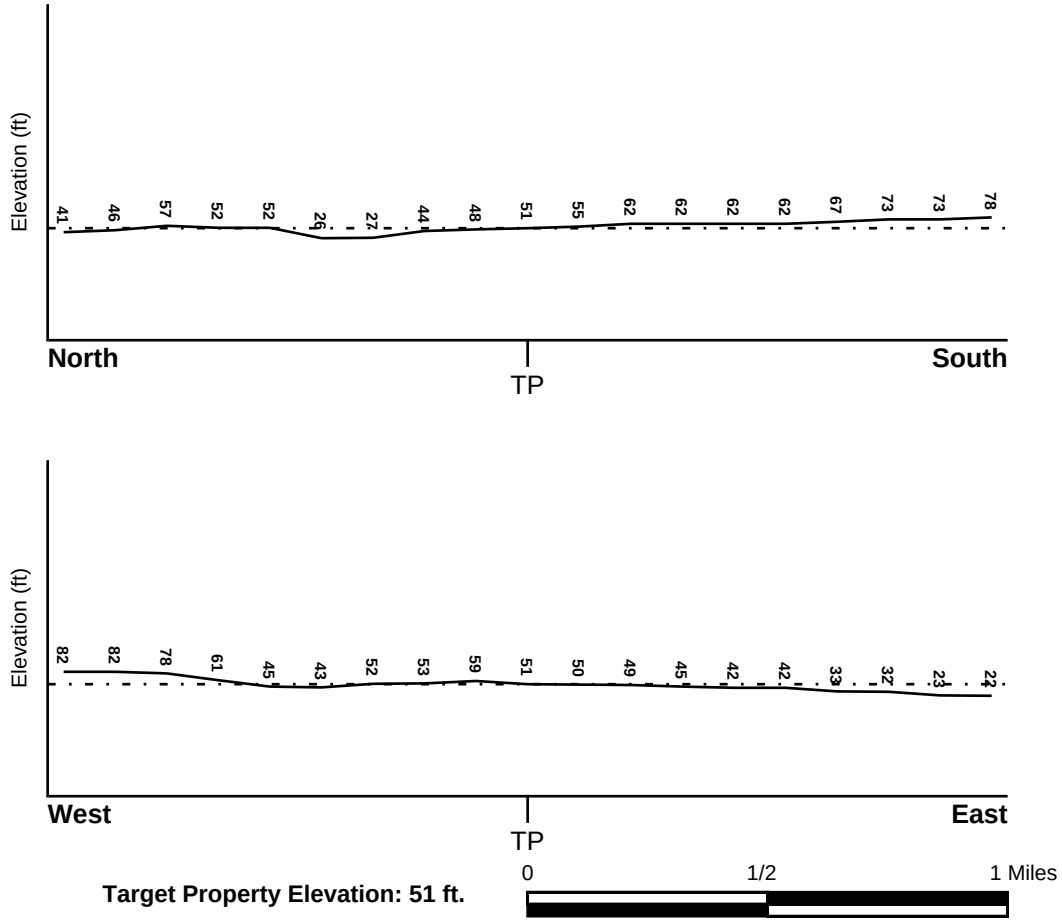
TOPOGRAPHIC INFORMATION

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 North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 51 ft.

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
06095C0540E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06095C0530E	FEMA FIRM Flood data
06095C0537E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
RIO VISTA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

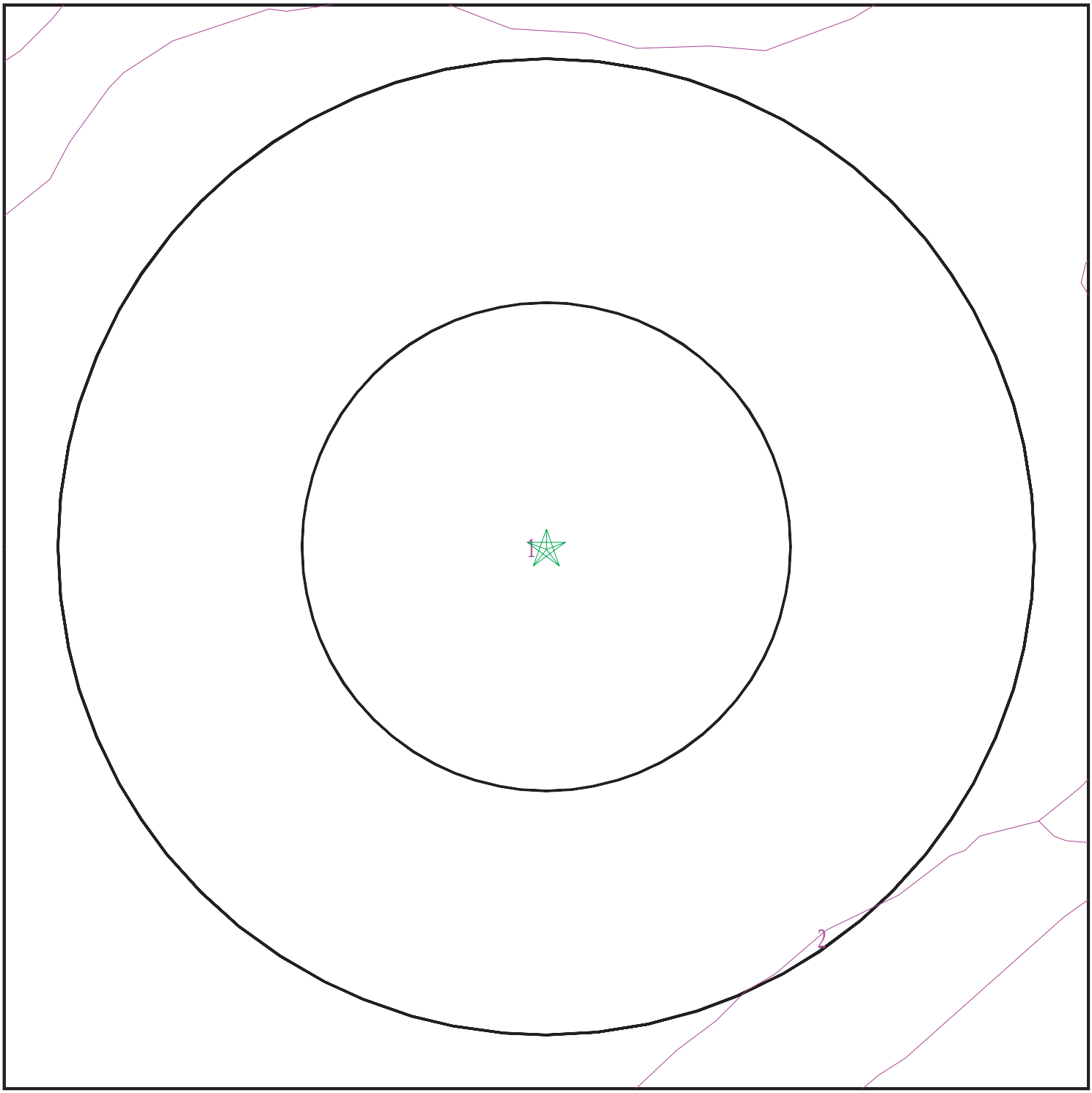
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6653868.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Brann Ranch	CLIENT:	GeoSolve
ADDRESS:	7989 Highway 12 Rio Vista CA 94571	CONTACT:	Robert Campbell
		INQUIRY #:	6653868.2s
LAT/LONG:	38.183595 / 121.727384	DATE:	September 09, 2021 10:09 am

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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: Diablo

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	29 inches	40 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	40 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Antioch

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 9 Min: 7.9
2	18 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 9 Min: 7.9
3	59 inches	72 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 9 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 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A3	USGS40000187234	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
A1	CAUSGS000000354	1/2 - 1 Mile West
A2	CAUSGSN00018636	1/2 - 1 Mile West
B4	CADDW0000020171	1/2 - 1 Mile ESE
B5	CADDW0000000083	1/2 - 1 Mile ESE
C6	4358	1/2 - 1 Mile East
C7	CADDW0000017469	1/2 - 1 Mile East

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

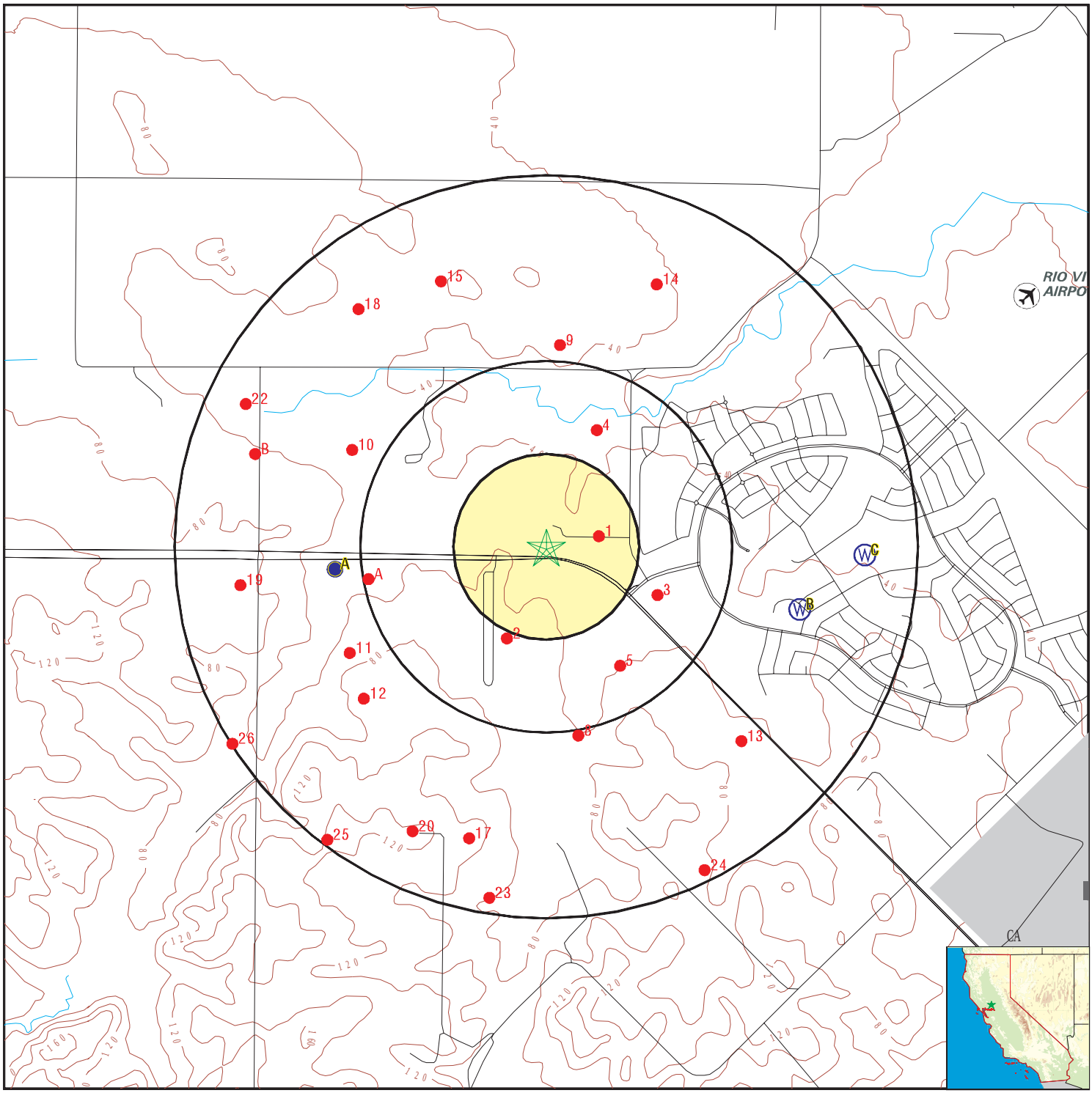
MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000130091	1/8 - 1/4 Mile ENE
2	CAOG14000201568	1/4 - 1/2 Mile SSW
3	CAOG14000201549	1/4 - 1/2 Mile ESE
4	CAOG14000130084	1/4 - 1/2 Mile NNE
5	CAOG14000201561	1/4 - 1/2 Mile SSE
A6	CAOG14000130204	1/4 - 1/2 Mile West
A7	CAOG14000130138	1/2 - 1 Mile WSW
8	CAOG14000201553	1/2 - 1 Mile South
9	CAOG14000130088	1/2 - 1 Mile North
10	CAOG14000130273	1/2 - 1 Mile WNW
11	CAOG14000201664	1/2 - 1 Mile WSW
12	CAOG14000201611	1/2 - 1 Mile SW
13	CAOG14000201552	1/2 - 1 Mile SE
14	CAOG14000130237	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
15	CAOG14000130107	1/2 - 1 Mile NNW
B16	CAOG14000130223	1/2 - 1 Mile WNW
17	CAOG14000202095	1/2 - 1 Mile SSW
18	CAOG14000130155	1/2 - 1 Mile NW
19	CAOG14000130212	1/2 - 1 Mile West
20	CAOG14000201654	1/2 - 1 Mile SSW
B21	CAOG14000130144	1/2 - 1 Mile WNW
22	CAOG14000130192	1/2 - 1 Mile WNW
23	CAOG14000201616	1/2 - 1 Mile South
24	CAOG14000201660	1/2 - 1 Mile SSE
25	CAOG14000201746	1/2 - 1 Mile SW
26	CAOG14000201604	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 6653868.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Brann Ranch	CLIENT:	GeoSolve
ADDRESS:	7989 Highway 12 Rio Vista CA 94571	CONTACT:	Robert Campbell
		INQUIRY #:	6653868.2s
LAT/LONG:	38.183595 / 121.727384	DATE:	September 09, 2021 10:09 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
West
1/2 - 1 Mile
Lower

CA WELLS **CAUSGS000000354**

Well ID:	SOL-09	Well Type:	MUNICIPAL
Source:	United States Geological Survey		
Other Name:	SOL-09	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=SOL-09&store_num=		
GeoTracker Data:	Not Reported		

A2
West
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00018636**

Well ID:	USGS-381058121441201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-381058121441201	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-381058121441201&store_num=		
GeoTracker Data:	Not Reported		

A3
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000187234**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004N002E22B001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520903	Well Depth:	112
Well Depth Units:	ft	Well Hole Depth:	112
Well Hole Depth Units:	ft		

B4
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000020171**

Well ID:	4810004-016	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 16	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4810004-016&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B5
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000000083**

Well ID:	4810004-006	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 12	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4810004-006&store_num=		
GeoTracker Data:	Not Reported		

C6
East
1/2 - 1 Mile
Lower

CA WELLS **4358**

Seq:	4358	Prim sta c:	04N/02E-12N02 M
Frds no:	4800649001	County:	48
District:	04	User id:	ENG
System no:	4800649	Water type:	G
Source nam:	WELL 01 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	381100.0	Longitude:	1214240.0
Precision:	3	Status:	IR
Comment 1:	3344 LIBERTY ISLAND RD RIO VISTA-LOCATED IN INTENSIVE ROW CROP FARMING		
Comment 2:	AREA	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	4800649	System nam:	Baldwin Page
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

C7
East
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000017469**

Well ID:	4800649-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4800649-001&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
ENE **OIL_GAS** **CAOG14000130091**
1/8 - 1/4 Mile

API #:	0409520850	Well #:	2
Well Status:	Plugged	Well Type:	Gas
Lease Name:	Brann	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	05/22/1989		

2
SSW **OIL_GAS** **CAOG14000201568**
1/4 - 1/2 Mile

API #:	0409521260	Well #:	290
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	RVGU	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	02/13/2007		

3
ESE **OIL_GAS** **CAOG14000201549**
1/4 - 1/2 Mile

API #:	0409521311	Well #:	7
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	Marks	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	11/01/2008		

4
NNE **OIL_GAS** **CAOG14000130084**
1/4 - 1/2 Mile

API #:	0409520790	Well #:	1
Well Status:	Plugged	Well Type:	Dry Gas
Lease Name:	Brann	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	07/20/1987		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

5
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG14000201561**

API #:	0409521193	Well #:	15
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	Drouin	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	10/26/2003		

A6
West
1/4 - 1/2 Mile

OIL_GAS **CAOG14000130204**

API #:	0409520666	Well #:	22-1
Well Status:	Active	Well Type:	Dry Gas
Lease Name:	Cattey	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	04/26/1984		

A7
WSW
1/2 - 1 Mile

OIL_GAS **CAOG14000130138**

API #:	0409521278	Well #:	2-22
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	Cattey	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	09/29/2007		

8
South
1/2 - 1 Mile

OIL_GAS **CAOG14000201553**

API #:	0409521162	Well #:	14
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	Drouin	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	07/24/2003		

Map ID
Direction
Distance

Database EDR ID Number

9
North
1/2 - 1 Mile

OIL_GAS **CAOG14000130088**

API #:	0409520806	Well #:	14-1
Well Status:	Plugged	Well Type:	Gas
Lease Name:	Brann	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	10/20/1987		

10
WNW
1/2 - 1 Mile

OIL_GAS **CAOG14000130273**

API #:	0409520053	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Beutke Unit	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	03/27/1968		

11
WSW
1/2 - 1 Mile

OIL_GAS **CAOG14000201664**

API #:	0409500211	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Happe	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	08/01/1936		

12
SW
1/2 - 1 Mile

OIL_GAS **CAOG14000201611**

API #:	0409520596	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Cattey	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	05/08/1983		

Map ID
Direction
Distance

Database EDR ID Number

13
SE
1/2 - 1 Mile

OIL_GAS **CAOG14000201552**

API #:	0409521161	Well #:	13
Well Status:	Active	Well Type:	Dry Gas
Lease Name:	Drouin	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	05/04/2002		

14
NNE
1/2 - 1 Mile

OIL_GAS **CAOG14000130237**

API #:	0409520179	Well #:	2
Well Status:	Plugged	Well Type:	Gas
Lease Name:	McCormack	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	08/30/1972		

15
NNW
1/2 - 1 Mile

OIL_GAS **CAOG14000130107**

API #:	0409520948	Well #:	1
Well Status:	Plugged	Well Type:	Gas
Lease Name:	Judy Elliott	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	10/08/1992		

B16
WNW
1/2 - 1 Mile

OIL_GAS **CAOG14000130223**

API #:	0409520629	Well #:	2-15
Well Status:	Plugged	Well Type:	Gas
Lease Name:	Sanchez Farms	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	09/11/1983		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

17
SSW
1/2 - 1 Mile

OIL_GAS **CAOG14000202095**

API #:	0409521328	Well #:	5
Well Status:	Active	Well Type:	Dry Gas
Lease Name:	Serpa	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	09/28/2012		

18
NW
1/2 - 1 Mile

OIL_GAS **CAOG14000130155**

API #:	0409521163	Well #:	2-15
Well Status:	Plugged	Well Type:	Dry Gas
Lease Name:	McCormack Rd.	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	05/18/2002		

19
West
1/2 - 1 Mile

OIL_GAS **CAOG14000130212**

API #:	0409520595	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Martin	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	03/26/1983		

20
SSW
1/2 - 1 Mile

OIL_GAS **CAOG14000201654**

API #:	0409520072	Well #:	6
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	J. Marks	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	09/10/1968		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B21
WNW
1/2 - 1 Mile

OIL_GAS **CAOG14000130144**

API #:	0409521259	Well #:	2-15
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Carole-Lynn	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	08/01/2006		

22
WNW
1/2 - 1 Mile

OIL_GAS **CAOG14000130192**

API #:	0409520553	Well #:	1-15
Well Status:	Plugged	Well Type:	Multi-Purpose
Lease Name:	Sanchez Farms	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	03/24/1982		

23
South
1/2 - 1 Mile

OIL_GAS **CAOG14000201616**

API #:	0409520435	Well #:	185
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	RVGU	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	08/01/1980		

24
SSE
1/2 - 1 Mile

OIL_GAS **CAOG14000201660**

API #:	0409500207	Well #:	8
Well Status:	Active	Well Type:	Dry Gas
Lease Name:	Drouin	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	12/18/1965		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

25
SW
1/2 - 1 Mile

OIL_GAS **CAOG14000201746**

API #:	0409520046	Well #:	5
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Marks	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	01/11/1968		

26
WSW
1/2 - 1 Mile

OIL_GAS **CAOG14000201604**

API #:	0409520640	Well #:	1-22
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Azevedo-Garriserre	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	10/26/1983		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94571	4	0

Federal EPA Radon Zone for SOLANO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94571

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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GeoSolve, Inc.®
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Project No. 2021-05
May 3, 2021

Mr. David Jacobson, CFA
Vice President of Land Acquisition
Encore Capital Management
770 Tamalpais Drive, Site 401B
Corte Madera, California 94925

Subject: Brann Property – 310.20 Acres
APNs 0048-110-060; 0048-110-460; 0048-110-470; and 0048-110-480
Liberty Island Road
Rio Vista, California
ADDITIONAL PHASE II ENVIRONMENTAL SITE ASSESSMENT

Reference: 1) Phase I and II Environmental Site Assessments at Brann Property, Liberty Island Road, Rio Vista, California
By ***GeoSolve, Inc.***
Dated April 12, 2021

Dear Mr. Jacobson:

At your request, ***GeoSolve, Inc.*** has conducted an Additional Phase II Environmental Site Assessment (ESA) to evaluate the site for methane and carbon dioxide from the former dry borings, which were drilled for natural gas wells on the property. This work was conducted in accordance with our recommendations presented in our Phase I and II ESAs (Reference 1) based on the presence of three (3) dry wells on the property, namely 14-1, 1, and 2.

The subject property is situated within the western-central portion of the greater Sacramento Valley within the southeastern portion of Solano County. The Brann property consists of one large parcel located between Liberty Island Road, Highway 12, and McCormack Road in Rio Vista, California. The entire property is vacant and currently used for agriculture. The property encompasses four parcels, Assessor's Parcel Numbers (APNs) 0048-110-060, 0048-110-460, 0048-110-470, and 0048-110-480, and total approximately 310.20 acres. The site vicinity map is shown on Figure 1 and the site plan is shown on Figure 2.

Fieldwork

On April 30, 2021, a ***GeoSolve, Inc.*** field geologist visited the subject site and observed Penecore Drilling, Inc. of Woodland, California, a State-licensed drilling contractor (C57-906899) advance three borings (14-1, 1, and 2) to approximately 5 feet bgs using a direct-push drilling rig, equipped with an EnviroCore sampling system. No soil samples were collected, and the borings were completed as temporary soil-gas sampling probes. The location of the borings are shown on Figure 3. The procedures used to construct these temporary soil-gas sampling probes are as follows:

- Approximately 6-inches of Monterey #3 sand was placed on the bottom of the borehole at 5 feet bgs; and

- A down-hole rod was used to center a permeable vapor tip connected to 0.25-inch diameter Nylaflow tubing on the top of the sand, and an additional 6 inches of Monterey #3 sand was placed over the vapor-tip. A one-foot layer of dry granular bentonite was placed on top of the Monterey #3 sand and hydrated bentonite was placed in the remainder of the borehole. The hydrated bentonite was carefully mixed on site using distilled water within 5 minutes of pouring down the borings.

Once the temporary vapor-probes were set for 2-hours, two one-liter Tedlar bags were used to collect soil-gas from each temporary soil-gas probe using a vacuum pump. The soil-gas samples were labeled Gas Boring 14-1, Gas Boring 1, and Gas Boring 2 fand the samples were sealed, labeled, and placed in a cardboard box for temporary storage.

The soil-gas samples were delivered under chain-of-custody documentation to McCampbell Analytical, Inc., a State-certified hazardous waste testing laboratory (Certification No. 1644) in Pittsburg, California, for analysis.

Laboratory Analyses and Results

Soil-gas samples Gas Boring 14-1, Gas Boring 1, and Gas Boring 2 were analyzed for carbon dioxide and methane using ASTM Method D1946-90. Hydrogen Sulfide was not analyzed due to the low concentrations of carbon dioxide and methane. The laboratory results are shown on Table 1 below and are attached to this letter report.

Table 1
Laboratory Analysis of Soil-Gas Samples
Brann Property
Rio Vista, California
April 30, 2021

Sample ID	Depth (feet)	Carbon Dioxide (µL/L)	Methane (µL/L)
Gas Boring 14-1	5	510	1.3
Gas Boring 1	5	510	1.6
Gas Boring 2	5	560	1.7
DTSC-HERO	---	---	*1,000*

µL/L = microliters per liter (equivalent to parts per million [ppm])

Conclusions and Recommendations

Based on the extremely low concentrations of carbon dioxide and methane, no risks associated with the former dry gas borings exist on the site and no further environmental assessment is warranted for the subject site.

Should you have any questions relating to the contents of this letter report or require any additional information, please contact our office at your convenience.

Sincerely,
GeoSolve, Inc.

PROFESSIONAL GEOLOGIST
ROBERT D. CAMPBELL
P.G., C.E.G.
No. 2089
CERTIFIED ENGINEERING GEOLOGIST
Exp 11-30-22
STATE OF CALIFORNIA

Robert D. Campbell, M.S., P.G., C.E.G., Q.S.D.
Principal Engineering Geologist

Copies: 1 to Encore Capital Management



GeoSolve, Inc.
Geoscience solutions rather than Status-Quo
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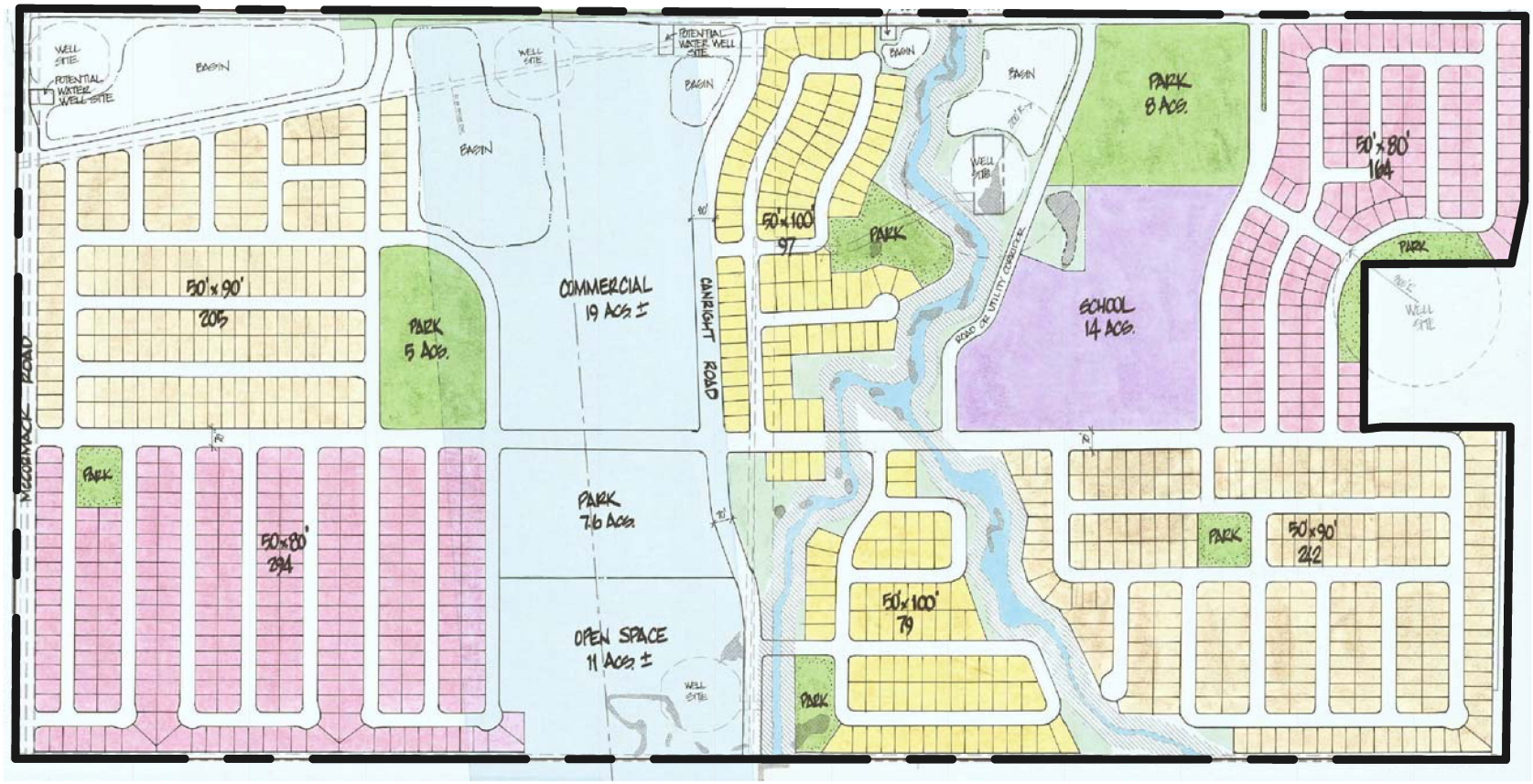
VICINITY MAP

DANVILLE DEVELOPMENT
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
McCORMACK ROAD and LIBERTY ISLAND ROAD
RIO VISTA, CALIFORNIA

Project No.	Drawn by:
2021-05	GC
Scale:	Date:
NTS	02/2021

Figure No.
1



LEGEND

Property Line

N

0 300 600 1200

Approximate Scale (feet)

GeoSolve, Inc.
Geoscience solutions rather than Status-Quo
Address: 1807 Santa Rita Rd, Suite H-165
Pleasanton, California 94566
Visit us at www.geosolve-inc.com

SITE PLAN

DANVILLE DEVELOPMENT
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
McCORMACK ROAD and LIBERTY ISLAND ROAD
RIO VISTA, CALIFORNIA

Project No.	Drawn by:
2021-05	GC
Scale:	Date:
AS SHOWN	02/2021

Figure No. 2

Well Finder
CalGEM GIS

More Info | Help | ©

Well Status and Well Type Filter

Search

Zoom to Field

Measurement

Layers



Figure 3, Dry Gas Well Locations

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2104H75

Report Created for: Geosolve, Inc.

1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566

Project Contact: Rob Campbell
Project P.O.: 2021-05
Project: 2021-05; Brann Property

Project Received: 04/30/2021

Analytical Report reviewed & approved for release on 05/03/2021 by:

Jennifer Lagerbom
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc.
Project: 2021-05; Brann Property
WorkOrder: 2104H75

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc.
Project: 2021-05; Brann Property
WorkOrder: 2104H75

Analytical Qualifiers

H	Samples were analyzed out of hold time

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2104H75
Date Received:	04/30/2021 10:52	**Extraction Method:**	ASTM D 1946-90
Date Prepared:	04/30/2021	**Analytical Method:**	ASTM D 1946-90
Project:	2021-05; Brann Property	**Unit:**	uL/L

Light Gases

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Gas Boring 14-1	**2104H75-001A**	**Air**	**04/30/2021**	**GC26 0430210109.D**	**220691**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Carbon Dioxide	**510**	H	20	1	04/30/2021 14:29
Methane	**1.3**	H	1.0	1	04/30/2021 14:29

Analyst(s): HK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Gas Boring 1	**2104H75-002A**	**Air**	**04/30/2021**	**GC26 0430210111.D**	**220691**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Carbon Dioxide	**510**	H	20	1	04/30/2021 14:50
Methane	**1.6**	H	1.0	1	04/30/2021 14:50

Analyst(s): HK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Gas Boring 2	**2104H75-003A**	**Air**	**04/30/2021**	**GC26 0430210113.D**	**220691**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Carbon Dioxide	**560**	H	20	1	04/30/2021 15:11
Methane	**1.7**	H	1.0	1	04/30/2021 15:11

Analyst(s): HK

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2104H75
Date Prepared:	04/30/2021	**BatchID:**	220691
Date Analyzed:	04/30/2021	**Extraction Method:**	ASTM D 1946-90
Instrument:	GC26	**Analytical Method:**	ASTM D 1946-90
Matrix:	Tedlar	**Unit:**	uL/L
Project:	2021-05; Brann Property	**Sample ID:**	MB/LCS/LCSD-220691

QC Summary Report for ASTM D1946-90

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	4.80	20.0	-	-	-
Methane	ND	0.150	1.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	105	102	100	105	102	70-130	3.47	20
Methane	76.9	76.8	100	77	77	70-130	0.0824	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2104H75 **ClientCode: GSP**

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☐ Excel

Report to:
Rob Campbell
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
(925) 963-1198 FAX:

Email: rcampbell@geosolve-inc.com
cc/3rd Party:
PO: 2021-05
Project: 2021-05; Brann Property

Bill to:
Accounts Payable
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
rcampbell@geosolve-inc.com

Requested TAT: 1 day;

Date Received: **04/30/2021**
Date Logged: **04/30/2021**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2104H75-001	Gas Boring 14-1	Air	4/30/2021 00:00	☐	A											
2104H75-002	Gas Boring 1	Air	4/30/2021 00:00	☐	A											
2104H75-003	Gas Boring 2	Air	4/30/2021 00:00	☐	A											

Test Legend:

1	LG_TEDLAR_AIR	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius

Prepared by: Valerie Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2021-05; Brann Property **Work Order:** 2104H75
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** **Date Logged:** 4/30/2021

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	Gas Boring 14-1	Air	ASTM D1946-90 (Light Gases) <Carbon Dioxide_2, Methane_4>	1	Tedlar	☐	☐	4/30/2021	1 day	5/3/2021		☐	
002A	Gas Boring 1	Air	ASTM D1946-90 (Light Gases) <Carbon Dioxide_2, Methane_4>	1	Tedlar	☐	☐	4/30/2021	1 day	5/3/2021		☐	
003A	Gas Boring 2	Air	ASTM D1946-90 (Light Gases) <Carbon Dioxide_2, Methane_4>	1	Tedlar	☐	☐	4/30/2021	1 day	5/3/2021		☐	

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 2104H75

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CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush	●	2 Day Rush		3 Day Rush		STD		Quote #										
J-Flag / MDL		ESL		Cleanup Approved		Dry Weight		Bottle Order #											
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		Detect Summary										

Report To: Rob Campbell — Bill To: GeoSolve, Inc.

Company: GeoSolve, Inc.

Address: 111 Bank Street, Suite 392, Grass Valley, CA 95945

Email: rcampbell@geosolve-inc.com — Tele: (925) 963-1198

Project Name: Brann Property — Project #: 2021-05

Project Location: Rio Vista, CA — PO # 2021-05

Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
Gas Boring 14-1	4.30.21		2	Soil-Gas	NA
Gas Boring 1	4.30.21		2	Soil-Gas	NA
Gas Boring 2	4.30.21		2	Soil-Gas	NA

Analysis Requested

Multi Range as Gas, Diesel, and Motor Oil (8021/8015)	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silca Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)*	Baylands Requirements	Lab to filter sample for dissolved metals analysis	Carbon Dioxide	Methane	Hydrogen Sulfide*
																●	●	●
																●	●	●
																●	●	●

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Eric Campbell GeoSolve Inc	4.30.21	10:55		4/30/21	1052

Comments / Instructions

*we do not/cannot run this analysis on a Tedlar. WA. 4/30/21

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

Page 1 of 1

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Sample Receipt Checklist

Client Name:	**Geosolve, Inc.**	Date and Time Received:	**4/30/2021 10:52**
Project:	**2021-05; Brann Property**	Date Logged:	**4/30/2021**
		Received by:	Tina Perez
WorkOrder №:	**2104H75** Matrix: Air	Logged by:	Valerie Alfaro
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☐	No	☑		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☐	No	☐	NA	☑
Samples Received on Ice?	Yes	☐	No	☑		
Sample/Temp Blank temperature	Temp:				NA	☑
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

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PHASE I AND PHASE II ENVIRONMENTAL SITE ASSESSMENTS
On
Brann Property – 310.20 Acres
Liberty Island Road and Canright Road
Rio Vista, California

For

ENCORE CAPITAL MANAGEMENT

by

GeoSolve, Inc.

Project No. 2021-05
April 12, 2021

111 Bank Street, Suite 392 • Grass Valley, CA 95945
rcampbell@geosolve-inc.com • (925) 963-1198

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Project No. 2021-05
April 12, 2021

Mr. David Jacobson, CFA
Vice President of Land Acquisition
Encore Capital Management
770 Tamalpais Drive, Site 401B
Corte Madera, California 94925

Subject: Brann Property – 310.20 Acres
APNs 0048-110-060, 0048-110-460, 0048-110-470, and 0048-110-480
Liberty Island Road
Rio Vista, California
PHASE I AND II ENVIRONMENTAL SITE ASSESSMENTS

Dear Mr. Jacobson:

At your request, ***GeoSolve, Inc.*** has conducted a Phase I Environmental Site Assessment (ESA) for the above referenced site. The following is a copy of the report, which presents the results of our assessment according to ASTM E1527-2013 standard. In addition, ***GeoSolve, Inc.*** has included the Phase II ESA for the above reference site in Section 8.0 of this report.

Should you have any questions relating to the contents of this report or require any additional information, please contact our office at your convenience.

Sincerely,
GeoSolve, Inc.

PROFESSIONAL GEOLOGIST
ROBERT D. CAMPBELL
P.G., C.E.G.
No. 2089
CERTIFIED ENGINEERING GEOLOGIST
Exp 11-30-22
STATE OF CALIFORNIA

Robert D. Campbell, M.S., P.G., C.E.G., Q.S.D.
Principal Engineering Geologist

Copies: 1 to Encore Capital Management

111 Bank Street, Suite 392 • Grass Valley, CA 95945
rcampbell@geosolve-inc.com • (925) 963-1198

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PHASE I AND II ENVIRONMENTAL SITE ASSESSMENTS

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Site Photographs 1A through 4B
EDR Historical Reports
Environmental Data Resources, Inc. (EDR) Report
BC Laboratories Analytical Report and Chain-of-Custody Document

PHASE I ENVIRONMENTAL SITE ASSESSMENT

1.0 INTRODUCTION

1.1 Objective

The purpose of conducting this Phase I Environmental Site Assessment (ESA) is to evaluate the property for contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) 42 U.S.C. §9601 and petroleum products, also known as Recognized Environmental Concerns (RECs). As such, this Phase I ESA is intended to permit a user to satisfy one of the requirements to quality for the innocent landowner, continuous landowner, or bona fide prospective purchaser limitations on CERCLA liability or known as "landowner liability protections" through conducting All Appropriate Inquiries (AAI) into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)(B). ***GeoSolve, Inc.*** has conducted detailed assessment of the past use of the property, historical research, site visit, file reviews and/or file searches and interviews with the site managers/property owners as summarized in this Phase I ESA, which complies with ASTM E1527-2013 for real for secondary potential contaminated sites within a 1-mile radius of the property.

The subject site consists of four parcels totaling approximately 310.20-acres located along Liberty Island Road and McCormack Road in Rio Vista, California, with Assessor's Parcel Numbers (APN) 0048-110-060, 0048-110-460, 0048-110-470, and 0048-110-480.

This Phase I Environmental Site Assessment was prepared for the use of our client, Encore Capital Management, who can rely on this report for evaluating the environmental conditions of the property. If commencement of development of this property is not initiated by October 12, 2021, an Updated Phase I Environmental Site Assessment must be performed if Encore Capital Management, or another buyer plans to pursue future development of this property.

1.2 Scope

GeoSolve, Inc. was authorized by Danville Development, on behalf of Encore Capital Management on February 19, 2021 to perform the following:

a) Perform a field reconnaissance of the subject property for significant surficial signs of hazardous waste release, storage of hazardous materials, and surficial indications for the presence of USTs, and water wells;

b) Off-site research into past land use of the property involving, as applicable, telephone and personal interviews with government personnel and the review of historical documents;

c) A review of available aerial photographs for obvious surficial features indicative of past land use with attention to indicators of hazardous materials or waste use, disposal, or storage;

d) An interview with the current property owner(s);

e) A review of fuel leak and chemical release lists and files for soil and groundwater contamination cases within a 1-mile radius from the subject property as made available through the appropriate Federal and State and local regulatory agencies, if available;

f) Documentation of the site with photographs; and

g) Preparation of this report.

2.0 SITE LOCATION AND DESCRIPTION

2.1 Location

The subject property is situated within the western-central portion of the greater Sacramento Valley within the southeastern portion of Solano County. The Brann property consists of one large parcel located between Liberty Island Road, Highway 12, and McCormack Road in Rio Vista, California. The entire property is vacant and currently used for agriculture. The property encompasses four parcels, Assessor's Parcel Numbers (APNs) 0048-110-060, 0048-110-460, 0048-110-470, and 0048-110-480, and total approximately 310.20 acres. The site vicinity map is shown on Figure 1 and the site plan is shown on Figure 2.

2.2 Topography and Drainage

The local topography is hummocky at elevations ranging from 20 feet above mean sea level (msl) on the south-central portion of the site, up to approximately 60 feet above msl on the northern portion of the site. Ephemeral streams of flow from the southwestern portion of the site toward the east along Watson Hollow. Drainage of the property appears to be variable, based on the hills, but generally flows east.

2.3 Geology/Hydrogeology

The materials underlying the site are mapped as Late Pleistocene alluvium (Qpa) by Helley and Lajoie (1979), which consist of weakly consolidated, slightly weathered, poorly sorted, irregular interbedded clay, silt, sand, and gravel units. The Late Pleistocene alluvium contains local accumulations of freshwater gastropods and pelecypods and continental vertebrate fauna, including camel, bison, horse, sloth, and mammoth fossils. The Late Pleistocene alluvium has a maximum thickness of 150 feet and ranges in age from 35,000 to 70,000 years old, which was deposited from flowing water in stream channels, on stream terraces, and on alluvial fans (https://pubs.usgs.gov/pp/0943/report.pdf).

The active trace of the Concord Fault is situated approximately 25-miles east of the subject site, and is considered active according to the Alquist-Priolo Earthquake Fault Zones Act (1997), and is a strike-slip fault with right-lateral motion.

Based on a Regional Water Quality Control Board (RWQCB) closed Brockton Place development, located approximately 1.8-miles southeast of the site (https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL0609583134), depth to groundwater ranged from 9 feet to 15 feet below ground surface (bgs) and groundwater flows toward the east. However, regional pumping could alter actual groundwater depths.

2.4 Site Visit

A *GeoSolve, Inc.* field geologist visited the site on Thursday, February 25, 2021, and made the following observations:

- The site consists of four parcels, APNs 0048-110-060, 0048-110-460, 0048-110-470, and 0048-110-480, which encompass approximately 310.20 acres of agricultural land. No structures were observed on the property. A former windmill and agricultural well were observed on the northern portion of the property on APN 0048-110-060. The land was covered with short grasses and appeared to be utilized for hay and/or feed grasses. The land was hummocky in topography and had a common drainage on the south-central portion of the property, which flowed toward the east. Canright Road bisects the entire property from the east to the west. The southern portion of the site is bounded by Highway 12, Liberty Island Road bounds the site to the east, McCormack Road bounds the property to the north and vacant land bounds the property to the west. Access to the site was from Liberty Island and Canright Roads. Digital photos of the site are shown on Photos 1A through 4B.

- Due to the past agricultural use of the land, organochlorine, and arsenic pesticide residues maybe in the surficial soil.

- No visual evidence of underground storage tanks (USTs), sumps, or pits were noted at the subject property. Drains were observed on site. No evidence of polychlorinated biphenyls (PCBs) was observed on the subject site. The United States Geological Survey (USGS) considers this a low exposure potential area for radon.

3.0 SITE HISTORY REVIEW

GeoSolve, Inc. examined eleven (11) aerial photographs, and seven (7) historical topographic maps. Sanborn Maps were not available for the site. All historical information was provided by Environmental Data Resources, Inc (EDR). Data for the photographs and topographic maps are tabulated below:

AERIAL PHOTOGRAPHS EXAMINED		
Flight Date	**Approximate Scale**	**Identification Number**
1937	1:6000	USDA – 6378411.11
1952	1:6000	USDA – 6378411.11
1968	1:6000	USGS – 6378411.11
1972	1:6000	USDA – 6378411.11
1974	1:6000	USGS – 6378411.11
1984	1:6000	USDA – 6378411.11
1993	1:6000	USGS/DOQQ – 6378411.11
2006	1:6000	USDA/NAIP – 6378411.11
2009	1:6000	USDA/NAIP – 6378411.11
2012	1:6000	USDA/NAIP – 6378411.11
2016	1:6000	USDA/NAIP – 6378411.11

HISTORICAL TOPOGRAPHIC MAPS		
Date	**Scale**	**USGS Topographic Map**
1910	1:24000	7.5-Minute Rio Visa Quadrangle
1952	1:62500	15-Minute Rio Vista Quadrangle
1953	1:24000	7.5-Minute Rio Vista Quadrangle
1968	1:62500	7.5-Minute Rio Vista Quadrangle

HISTORICAL TOPOGRAPHIC MAPS		
1978	1:24000	7.5-Minute Rio Vista Quadrangle
1993	1:24000	7.5-Minute Rio Vista Quadrangle
2012	1:24000	7.5-Minute Rio Vista Quadrangle

3.1 Regional and Local History

3.11 Regional History

Attributed to the Bay Miwoks, who inhabited the area between 1100 and 1770 AD, are the first records of known cultural culture in the west delta. The Bay Miwok people, generally referred to by European explorers as the Julpunes or Pulpunes, were organized into "tribelets"—political units that included many relatively permanent villages and a collection of seasonal campsites spread over a well-defined territory. In the 1770s, Spanish incursions into the Oakley area began. The De Anza expedition of 1775–76 was the first to reach what are now the city limits. Nevertheless, the De Anza expedition returned to Monterey after a failed effort to find a way across the tule swamps toward the Sierra. Subsequent Spanish expeditions did not contribute to colonization. In the 19th century, Europeans arrived in the Delta, but had been ravaged by malaria and smallpox.

3.12 Local History

Located at the tip of Solano County, the community of Rio Vista is one of the oldest in the county. The original settlement was established in 1858, by Col. Nathan H. Davis, and was located at the mouth of Cache Slough, where it meets the Sacramento River, approximately two miles from its present location. Once established the settlement grew rapidly and fishing became the prime industry. Robert C. Carter and his son established a salmon cannery, which would ship salmon daily to San Francisco and from that point internationally.

During the first couple of years the settlement's name changed several times, including Los Brazos del Rio, Vista del Rio, Winds End, and eventually the wife of Postmaster Charles Kirkpatrick, re-named it Rio Vista. In December 1861, the Sacramento River rose, and on January 9, 1862, Rio Vista was destroyed when twelve feet of water covered the settlement. Fortunately, not one life was lost. However, at this point half of the citizens decided to relocate in developed communities, while the other half liked the area and could see a future if relocated on higher ground. Thus "New" Rio Vista was established at its present location in March 1862. This "new" settlement, located approximately halfway between San Francisco and Sacramento, soon became a popular stopover for weary travelers, who enjoyed the hospitality of Rio Vista's hotels, saloons, and general merchandise stores.

As more individuals settled in Rio Vista, many of which were immigrants, farming became the way of life rather than fishing. Immigrants from: Germany, Portugal, England, Sweden, Scotland, and Canada, to name but a few. Each educated in their native lands, brought to the community new ideas, which were combined to create fertile crops. Thirty years after the devastating flood of 1862, the community was once again stricken with disaster.

On July 20, 1892, a fire broke out in the rear of the River View Hotel. Within minutes the flames spread eventually destroying almost every structure from Front Street up to Third Street, and from Montezuma Ave. to Sacramento Ave. However, the community was strong and quickly decided to rebuild. After two decades of local debate, it was finally decided, that in the best interest of the community, it was time to incorporate. Thus, the town of Rio Vista held its first election, and the community was officially incorporated on December 30, 1893. Seventy-five years later, on January 4, 1968 the town of Rio Vista officially became a city (https://www.riovistacity.com/a-brief-history-of-rio-vista/).

3.2 Aerial Photographic Site Features

Historical aerial photographs revealed several changes occurring at the subject property over the past 82 years. In 1939, the subject site was vacant and used for grazing. Canright Road and Liberty Island Roads were dirt roads, and a windmill was observed on the north-central portion of the site. No significant changes were observed on the property from 1952 to 1984. By 1984, the windmill appeared not operating and row-crops were observed on the southwestern portion of the site. All roads were paved. By 2006, a residential development was observed east-southeast of the site. No significant changes were observed on site from 2009 through 2016. Copies of the aerial photographs are attached to the appendix.

3.3 Historical Topographic Map Site Features

In 1910, the subject site was mapped as vacant land. No orchards were mapped on site and Canright and Liberty Island Roads were dirt roads. Three ephemeral drainages were mapped flowing into one drainage toward the east on the south-central portion of the site. By 1952, a windmill was mapped on the north-central portion of the site. No changes were mapped on the site until 1978, when the windmill was not mapped on site. No significant changes were mapped on site from 1993 through 2012. Copies of the historical topographic maps are attached to the appendix.

3.4 Review of Environmental LienSearch™ Report

The property is owned as a Deed and the title is vested in Margaret Brann Anderson, Lisa Brann Taron, and Laurie Brann and was received from Timothy D Taron, Trustee on September 19, 2019 and was recorded on October 1, 2019 under instrument number 2019-000692454. No environmental liens or other activity and use limitations were documented for the parcels. However, mineral rights were attached to the Deed. A copy of the EDR Environmental LienSearch™ Report is attached to the appendix.

3.5 Sanborn Map Review

Sanborn map coverage was not available for these properties.

3.6 Review of EDR City Directory Abstract

No information was available from 1920 through 2017. A copy of the City Directory Abstract is attached to the appendix.

3.7 EDR Vapor Encroachment Screen

EDR performed a Vapor Encroachment Screen report for the subject site. Based on the data, no sources of vapor intrusion were documented near or beneath the site. A copy of the EDR Vapor Encroachment Screen report is attached to the appendix.

3.8 Review of City and County Records

GeoSolve, Inc. contacted the City of Rio Vista Building and Planning Departments to ascertain the past use of the property. According to the City of Rio Vista, the property is currently zoned as agricultural land with one older windmill on parcel APN 0048-110-060. No structures are permitted on any of the four parcels encompassing the subject site. One former agricultural well is situated where the windmill is located on parcel APN 0048-110-060. In addition, ***GeoSolve, Inc.*** contacted the Solano County Assessor's Office to ascertain the value of the property. According to the Solano County Assessor's Office, the property areas and values are shown below.

Parcel APN	Parcel Size (acres)	2020-2021 Assessed Value (Dollars)
0048-110-060	156.48	$1,004,253
0048-110-460	68.94	$447,507
0048-110-470	84.12	$539,861
0048-110-480	0.66	$2,636
Total	***310.20***	***$1,994,257***

The properties have a total assessed value of $1,994,257 in 2020-2021 and encompass approximately 310.20 acres (https://www.solanocounty.com/depts/ar/viewpropertyinfo.asp). The parcel map is attached to the appendix.

Three former gas wells were drilled on the Brann Property, namely Well 14-1, 1, and 2. Well 14-1, 1, and 2 were listed as dry holes, and were plugged. Castle Minerals drilled dry hole Well 1, Towne Exploration Company, LP drilled dry hole Well 2, and TXO Production Company drilled dry hole Well 14-1. The location of these wells is shown on Figure 3. https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx).

3.9 Review of Previous Environmental Reports

No previous environmental reports were identified for the subject site during the course of performing this Phase I ESA.

3.10 Interviews with Property Owner

GeoSolve, Inc. attempted to contact the current property owner during our site visit; however, the Brann's would not respond to our Owner Interview Questionnaire form.

4.0 REVIEW OF PUBLIC RECORDS OF REGULATORY AGENCIES

4.1 Primary Contamination Sources

GeoSolve, Inc. conducted a review of files at City of Rio Vista Fire Department (RVFD), Solano County Department of Environmental Health (SCDEH), and the California Regional Water Quality Control Board – Region 2 (RWQCB) using the Geotracker website to ascertain property information for the site. No documents relating to hazardous wastes and/or generation of waste were located at SCDEH

(https://www.solanocounty.com/depts/rm/environmental_health/default.asp). According to the RWQCB, no SLIC files were associated with the subject site (https://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=Liberty+Island+Road+and+Canright+Road%2C+Rio+Vista%2C+CA).

GeoSolve, Inc. also contacted the California Department of Toxic Substances and Control (DTSC) to ascertain if any files documenting the presence of hazardous wastes and/or hazardous substances were available for the subject site. No SLIC files were identified (https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=liberty+island+road+and+canright+road%2C+rio+vista%2C+ca).

The following is a summary of the potential Hazardous Substances in connection with identified uses:

ACMs and/or LBP

Since no structures have been developed on the site, the risk of asbestos-containing materials (ACMs) and/or lead-based paint (LBP) is moot.

Radon Gas

According to the EDR Radius Report, the Federal EPA Radon Zone for Solano County is 3 and based on that the indoor radon average level is < 2 pCi/L. Radon gas levels exceeding 4 pCi/L within residential buildings is considered by the EPA to be inhabitable without radon gas mitigation.

Facility Storage Tanks (above or below ground)

No above-ground storage tanks (ASTs) or underground storage tanks (USTs) were documents and/or observed on the site.

Transformers or Other Electrical Equipment that uses Dielectric Fluid

No transformers were observed on and/or near the property.

Remediation and Site Closures

There are no site closures and/or remediation activities associated with the subject site. However, organochlorine and arsenic pesticide residues maybe in the surficial soil from historical agricultural use of the property. Furthermore, three (3) former gas wells were drilled on the property in 1987, but were reported as plugged. Methane, carbon dioxide and/or hydrogen sulfide vapors maybe present around these former dry holes in the shallow subsurface soil-gas.

4.2 Secondary Contamination Source Sites

For the purposes of this investigation, a search was made of 125 State and Federal regulatory agency lists of contaminated or potentially contaminated sites, or properties where transportation, handling, storage, and/or disposal of hazardous materials occurs or has occurred.

In accordance with recently adopted standards by the American Standard for Testing and Materials (ASTM, 2013), details of the 125 databases which were searched are within the attached EDR, Inc. Report. It should be noted that listings reported without location data were found to be more distant than the standard minimum search distance. In addition, some of the databases consist of lists of handlers, transporters, and generators of toxic materials rather than contaminated sites.

Out of all databases searched, ten (10) secondary potential sites were identified within a 0.13-mile radius of the subject site, which are as follows:

- **Total Compression, Inc., 3054 Liberty Island Road, Rio Vista** – this property is located immediately south-southeast of the site. This facility was listed on the UST, SWEEPS UST databases for the presence of one underground gasoline storage tank. No additional information was available.

- **Coughran Mechanical Services, 3053 Liberty Island Road, Rio Vista** – this property is located immediately south-southeast of the site. This facility was listed on the RCRA-SQG, FINDS, ECHO, HAZNET, CERS, CERS HAZ WASTE, EMI, SWEEPS UST, UST, and HWTS databases for generating oil-based wastes, which are properly disposed from the site to a landfill, and the present of an UST, which was reported not to exist on this site. No additional information was available.

- **Brann Ranch, 7983 State Highway 12, Rio Vista** – this property is located 102 feet south and cross-gradient from the subject site. This facility was listed on the LUST database for a spill, leak, investigation and/or cleanup (SLIC) of an unknown substance. No additional information was available.

- **Pacific Gas and Electric Company, 3059 Cattey Lane, Rio Vista** – this property is located approximately 218 feet south-southwest and cross-gradient of the site. This facility was listed on the RCRA NonGen/NLR database for generating non-hazardous wastes. No additional information was available.

- **Brann Brothers Ranch, 7989 State Highway 12, Rio Vista** – this property is located approximately 252 feet south and cross-gradient of the site. This facility was listed on the UST, HIST UST, SWEEPS UST databases for the presence of one 300-gallon gasoline underground storage tank. One groundwater monitoring well is reported on this site to monitor the UST. No additional information was available.

- **Williams Mobile Service, 3047 Cattey Lane, Rio Vista** – this property is located approximately 410 feet south-southwest and cross-gradient of the site. This facility was listed on the CERS HAZ WASTE and RCRA NonGen/NLR databases for failure to label hazardous wastes generated on site. No additional information was available.

- **B&L Equipment Rentals, Inc., 3041 Cattey Lane, Rio Vista** – this property is located approximately 495 feet south-southwest and cross-gradient of the site. This facility was listed on the RCRA NonGen/NLR database for generating non-hazardous wastes. No additional information was available.

- **Universal Industrial Services, Inc./B-C Services, Inc., Highway 12 and Liberty Island Road, Rio Vista** – this property is located approximately 556 feet south-southeast and cross-gradient of the site. This facility was listed on the RCRA NonGen/NLR database for generating non-hazardous wastes. No additional information was available.

- **Production Power, Inc., Highway 12 and Liberty Island Road, Rio Vista** – this property is located approximately 556 feet south-southeast and cross-gradient of the site. This facility was listed on the RCRA NonGen/NLR, HAZNET, and HWTS databases for generating non-hazardous wastes. No additional information was available.

- **RESA Power Solutions-Transformer Services, LLC, 3035 Cattey Lane, Rio Vista** – this property is located approximately 556 feet south-southeast and cross-gradient of the site. This facility was listed on the CERS HAZ WASTE and CERS databases for generating hazardous wastes. No additional information was available.

No groundwater wells were located within a 0.5-mile radius of the site; however, two dry gas wells 1 and 14-1 were drilled on the site in 1987. Both wells were dry holes and were plugged. Based

on the EDR report dated February 23, 2021, the southern-central portion of the site is situated within a 100-year FEMA flood zone.

5.0 DATA GAPS

The following Data Gap was recognized:

- Two (2) "orphaned sites" were not mapped for the database report. This data gap was filled by reviewing the location of the streets or by physically driving the neighborhood of the subject property to confirm that these orphaned sites were outside the search radius.

This data gap did not alter our findings and/or recommendations for the site.

6.0 SUMMARY OF FINDINGS

GeoSolve, Inc. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-2013 at Brann Ranch in Rio Vista, California with APNs 0048-110-060, 0048-110-460, 0048-110-470, and 0048-110-480 in Solano County, California, the property. Any exceptions to, or deletions from, this practice are described in Section 5.0 of this report. This assessment has revealed two (2) Recognized Environmental Conditions (RECs) associated with the site: 1) potential pesticides in shallow soil from historic agriculture; and 2) potential carbon dioxide, methane, and/or hydrogen sulfide vapors from former dry hole gas wells drilled on the site in 1987.

The following summarizes the assessment of the subject site:

- The subject property is situated within the western-central portion of the greater Sacramento Valley within the southeastern portion of Solano County. The Brann property consists of one large parcel located between Liberty Island Road, Highway 12, and McCormack Road in Rio Vista, California. The entire property is vacant and currently used for agriculture. The property encompasses four parcels, APNs 0048-110-060, 0048-110-460, 0048-110-470, and 0048-110-480, and total approximately 310.20 acres. The local topography is hummocky at elevations ranging from 20 feet above msl on the south-central portion of the site, up to approximately 60 feet above msl on the northern portion of the site.

- Based on site observations, review of historical aerial photographs and topographic maps, and file review information, the property is and was utilized for agriculture, but not as an orchard, from before 1939 until present for grazing and hay production. The property was never

developed, but a former windmill and agricultural well are situated on the north-central portion of the site. Three (3) gas wells were drilled on the property in 1987, which were not productive and plugged.

- RECs for the subject site include the following: 1) potential pesticides in shallow soil from historic agriculture; and 2) potential carbon dioxide, methane, and/or hydrogen sulfide vapors from former dry hole gas wells drilled on the site in 1987.

- Based on EDR information dated February 23, 2021, 10 secondary potential sites were identified within a 0.13-mile radius of the subject property. All of these site were located cross-gradient and south-southeast, or southwest of the subject site.

7.0 SITE-SPECIFIC RECOMMENDATIONS

In view of the above findings, it is the opinion of *GeoSolve, Inc.* additional environmental assessment of the subject property **is warranted**, and should include the following:

- Conduct a Phase II ESA regarding evaluating organochlorine and arsenic pesticide residues in the surficial soil by randomly collecting 35 soil samples, and four background metal samples from the subject site. The 35 soil samples should be analyzed for organochlorine pesticides and arsenic using Environmental Protection Agency (EPA) Methods SW846/8080 and 6010B and the four background arsenic samples should be analyzed for EPA Method 6010B.

- Drilling three shallow borings to 5-feet near the three former dry gas well holes and completing the borings as temporary soil-gas sampling probes. Soil-gas samples should be collected from the temporary soil-gas probes using laboratory supplied Summa canisters pre-set to a vacuum of negative 30-inches of mercury. The soil-gas samples should be analyzed for methane, carbons dioxide, and hydrogen sulfide using EPA Methods RSK 175, 415.3, and 413m.

- Proper destruction of the former agricultural well associated with the former windmill on the north-central portion of the property.

8.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT

This Phase II ESA was performed in accordance with the *Interim Guidance for Sampling Agricultural Properties (Third Revision) California Department of Toxic Substances Control (DTSC) dated August 7, 2008.*

8.1 Field Activities

On March 11, 2021, a ***GeoSolve, Inc.*** field geologist visited the subject site to randomly collect 35 surficial soil samples (S-1 through S-35) using a clean hand-auger from approximately 0.5-foot bgs using laboratory-supplied glass jars, which were sealed, labeled, and placed in a pre-chilled ice chest for temporary storage. In addition, four (4) arsenic background soil samples (AS-1 through AS-4) were collected from random locations using a clean hand-auger from approximately 3-feet bgs. The soil was placed within laboratory supplied glass jars, which were sealed, labeled, and placed in a pre-chilled ice chest for temporary storage. The location of the soil samples is shown on Figure 4.

8.2 Laboratory Methods and Results

The soil samples were delivered under chain-of-custody documentation to BC Laboratories, Inc., a State-certified hazardous waste testing laboratory (Certification No. 1186) in Bakersfield, California, for analysis. Soil samples S-1 through S-35 were be analyzed for total organochlorine pesticides and arsenic using Environmental Protection Agency (EPA) Methods SW846/8080 and 6010B. Samples AS-1 through AS-4 were analyzed for arsenic using EPA Method 6010B. The results of the soil samples are shown on Table 1 below.

Table 1
Laboratory Analysis of Soil Samples
Brann Property
Rio Vista, California
March 11, 2021

Sample ID	Depth (feet)	DDT (mg/Kg)	DDE (mg/Kg)	DDD (mg/Kg)	Toxaphene (mg/Kg)	Arsenic (mg/Kg)
S-1	0.5	<0.00005	<0.0005	<0.005	<0.050	4.4
S-2	0.5	<0.00005	<0.0005	<0.005	<0.050	3.7
S-3	0.5	<0.00005	<0.0005	<0.005	<0.050	4.0
S-4	0.5	<0.00005	<0.0005	<0.005	<0.050	4.3
S-5	0.5	<0.00005	<0.0005	<0.005	<0.050	3.1
S-6	0.5	<0.00005	<0.0005	<0.005	<0.050	3.7

Sample ID	Depth (feet)	DDT (mg/Kg)	DDE (mg/Kg)	DDD (mg/Kg)	Toxaphene (mg/Kg)	Arsenic (mg/Kg)
S-7	0.5	<0.00005	<0.0005	<0.005	<0.050	3.8
S-8	0.5	<0.00005	<0.0005	<0.005	<0.050	4.5
S-9	0.5	<0.00005	<0.0005	<0.005	<0.050	5.0
S-10	0.5	<0.00005	<0.0005	<0.005	<0.050	3.8
S-11	0.5	<0.00005	<0.0005	<0.005	<0.050	4.9
S-12	0.5	<0.00005	<0.0005	<0.005	<0.050	4.8
S-13	0.5	<0.00005	<0.0005	<0.005	<0.050	3.8
S-14	0.5	<0.00005	<0.0005	<0.005	<0.050	4.9
S-15	0.5	<0.00005	<0.0005	<0.005	<0.050	5.5
S-16	0.5	<0.00005	<0.0005	<0.005	<0.050	3.6
S-17	0.5	<0.00005	<0.0005	<0.005	<0.050	3.2
S-18	0.5	<0.00005	<0.0005	<0.005	<0.050	4.5
S-19	0.5	<0.00005	<0.0005	<0.005	<0.050	3.6
S-20	0.5	<0.00005	<0.0005	<0.005	<0.050	3.8
S-21	0.5	<0.00005	<0.0005	<0.005	<0.050	4.3
S-22	0.5	<0.00005	<0.0005	<0.005	<0.050	3.7
S-23	0.5	<0.00005	<0.0005	<0.005	<0.050	4.3
S-24	0.5	<0.00005	<0.0005	<0.005	<0.050	3.3
S-25	0.5	<0.00005	<0.0005	<0.005	<0.050	4.0
S-26	0.5	<0.00005	<0.0005	<0.005	<0.050	3.3
S-27	0.5	<0.00005	<0.0005	<0.005	<0.050	4.0
S-28	0.5	<0.00005	<0.0005	<0.005	<0.050	3.2
S-29	0.5	<0.00005	<0.0005	<0.005	<0.050	3.2
S-30	0.5	<0.00005	<0.0005	<0.005	<0.050	3.2
S-31	0.5	0.00029	<0.0005	<0.005	<0.050	3.3
S-32	0.5	<0.00005	<0.0005	<0.005	<0.050	3.3
S-33	0.5	<0.00005	<0.0005	<0.005	<0.050	4.5
S-34	0.5	<0.00005	<0.0005	<0.005	<0.050	3.8
S-35	0.5	<0.00005	<0.0005	<0.005	<0.050	3.8
AS-1	3.0	NA	NA	NA	NA	4.1
AS-2	3.0	NA	NA	NA	NA	3.5
AS-3	3.0	NA	NA	NA	NA	3.2
AS-4	3.0	NA	NA	NA	NA	3.7
ESLs	---	*1.9*	*1.8*	*2.7*	*0.51*	*0.067**

mg/Kg = milligrams per kilogram (equivalent to parts per million [ppm])
< = less than laboratory detection limits (not detected)
NA = Not analyzed
* = Background levels are cleanup goals for arsenic, which are less than 10 ppm (Cal EPA)

8.3 Conclusions and Recommendations

Organochloride pesticides were mostly not detected (less than 0.0005 milligrams per kilogram [mg/Kg] to less than 0.050 mg/Kg); however, DDT was the only pesticide detected at an extremely low concentration of 0.00029 milligrams per kilogram (mg/Kg) in soil sample S-31. Arsenic was detected in all soil samples at concentrations ranging from 3.1 mg/Kg up to 5.5 mg/Kg in soil samples S-1 through S-35 and were within the order or magnitude of arsenic background soil samples AS-1 through AS-4, at concentrations up to 4.1 mg/Kg.

8.31 Potential Natural Arsenic Sources and Background Concentrations

Arsenic occurs in more than 200 minerals and is present mainly in the heavy-mineral fraction of soil as arsenate (As^{+5}) or the oxidized form of arsenic. Arsenic is naturally found in the arsenic-ore mineral arsenopyrite (FeAsS) and abundant concentrations of arsenic have been detected in the mineral's pyrite (up to 77,000 mg/Kg), marcasite (up to 126,000 mg/Kg), ferric oxyhydroxide and hematite (up to 77,000 mg/Kg) as trace elements (Campbell, 2006). Conversely, the lowest levels of arsenic are found in granitic sandy soils (Chang and et. al., 2004). Higher arsenic levels are associated with alluvial soils, rich in organic matter and soils derived from shales and hydrothermally altered bedrock, ancient hot-spring deposits (Campbell, 2006). Based on work conducted by Woolson et al. (1971), arsenic was found to accumulate in soils which had an appreciable amount of calcium, iron, and aluminum, especially in places where the reactive iron concentration of the soils was high.

Based on the no detectable to below the RWQCB's Environmental Screening Levels (ESLs) for DDT and arsenic concentrations within background for the greater Bay Area of 10 mg/Kg, ***GeoSolve, Inc.*** recommends that further environmental assessment regarding organochlorine pesticides and arsenic of the site is **not warranted**.

However, evaluation of natural-gas vapors methane, carbon dioxide and hydrogen sulfide is warranted and should be completed prior to development of the site.

9.0 LIMITATIONS

This environmental site assessment was performed according to the recommended guidelines established by ASTM designation E1527-2013 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This report has been prepared for the specific application to this project in a manner consistent with the level of care and skill

normally exercised by members of the environmental science profession currently practicing under similar conditions in this area. This report contains information reported to ***GeoSolve, Inc.***, by other sources, accordingly, and errors or omissions may be present that ***GeoSolve, Inc.*** cannot be responsible for. The findings of this report apply to the present condition of the subject property only (as of March 11, 2021); the opinions expressed herein are subject to revision in light of new information relevant to the site and/or in its immediate surroundings. Results from Phase I environmental investigations are based on surficial evidence and public records and databases only. Subsurface conditions of the site cannot be rigorously evaluated without performing a subsurface environmental investigation and actually testing of the soil, and groundwater for potential contaminants.

10.0 INFORMATION SOURCES

ASTM, November 2013. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*: ASTM Standards E1527-2013.

Campbell, R.D., March 2006. *Evaluation of Arsenic Levels and Speciation in Groundwater within Pleasanton, California, California State University East, Bay M.S. Geology Thesis, 165 pp.*

Chang, Andrew C., Page, Albert L. and Krage, Natalie J., November 2004. *Role of Fertilizer and Micronutrient Applications on Arsenic, Cadmium and Lead Accumulation in California Cropland Soils*, University of California at Riverside, Department of Environmental Sciences submitted to California Department of Food and Agriculture, 124 pages.

City of Rio Vista Building and Planning Departments.

Environmental Data Resources (EDR) Radius Report dated February 23, 2021.

EDR Aerial Photography Decade Package dated February 24, 2021.

EDR Building Permit Report dated February 23, 2021.

EDR Environmental Lien and AUL Search Report dated March 31, 2021.

EDR Property Tax Map Report dated February 23, 2021.

EDR City Directory Image Report dated February 23, 2021.

EDR Sanborn Maps dated February 23, 2021.

EDR Historical Topographic Map Report dated February 23, 2021.

EDR Vapor Encroachment Screen Report dated February 23, 2021.

Helley, E.J and LaJoie, K.R. *Flatland Deposits of the San Francisco Bay Region, California – Their Geology and Engineering Properties and Their Importance to Comprehensive Planning.* Professional Paper 943, Plate 2.

Regional Water Quality Control Board – San Francisco Bay Region

Solano County Department of Environmental Health.

United States Geological Survey, 15-Minute Rio Vista Quadrangle Topographic Map dated 1952, Scale 1:62500.

United States Geological Survey, 7.5-Minute Brentwood Topographic Maps dated 1910, 1953, 1968, 1978, 1993, and 2012, Scale 1:24000.

Online Documents/Resources

https://pubs.usgs.gov/pp/0943/report.pdf

https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL0609583134

https://www.riovistacity.com/a-brief-history-of-rio-vista/

https://www.solanocounty.com/depts/ar/viewpropertyinfo.asp

https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx

https://www.solanocounty.com/depts/rm/environmental_health/default.asp

https://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=Liberty+Island+Road+and+Canright+Road%2C+Rio+Vista%2C+CA

https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=liberty+island+road+and+canright+road%2C+rio+vista%2C+ca

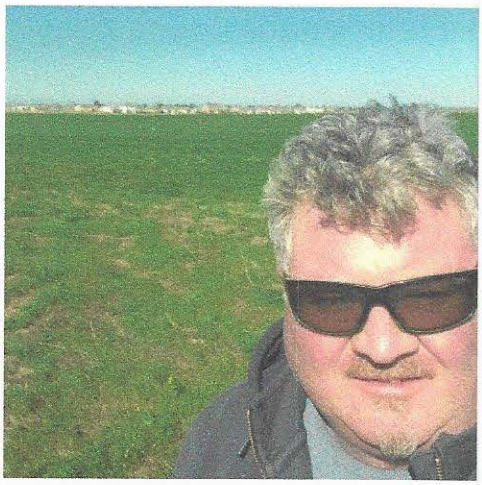
11.0 ENVIRONMENTAL PROFESSIONAL QUALIFICATION

This Phase I Environmental Site Assessment was performed by Mr. Robert D. Campbell, a qualified Environmental Professional as defined in 40 CFR Part 312.10.

Mr. Campbell holds a Baccalaureate degree from U.C. Davis (an accredited institution of higher education) and a Master of Science degree from C.S.U. East Bay (an accredited institution of higher education) in the discipline of Geology. Mr. Robert D. Campbell holds a valid Professional Geology license in the State of California (6454); a valid Certified Engineering Geology license in the State of California (2089); and a valid Professional Geology license in the State of Arizona.

Mr. Campbell has over 30 years of environmental, geological, and hydrogeological experience, more specifically in environmental assessments including Phase I and Phase II Environmental Site Assessments (ESAs), which exceeds the regulatory requirement of three years of relevant experience.

Mr. Campbell remains current in his field and has received 1.6 Continuing Education Units (CEUs) and 12 Professional Development Hours (PDHs) in the previous 12-month period. He is also compliant with OSHA HAZWOPER 8-hour refresher requirements, including medical surveillance. As required in 40 CFR 312.27, Mr. Campbell directly conducted the Field Visit including the visual inspection of the Site, adjacent properties and surrounding areas on February 24, 2021 as shown below.



"All Appropriate Inquiry" was also conducted by Mr. Campbell as were all interviews. The record search, historical photo and topographic map search were conducted by EDR, Inc. The findings, opinions and recommendations of this Phase I Environmental Site Assessment are those of ***GeoSolve, Inc.*** as formulated by Mr. Robert D. Campbell.



N

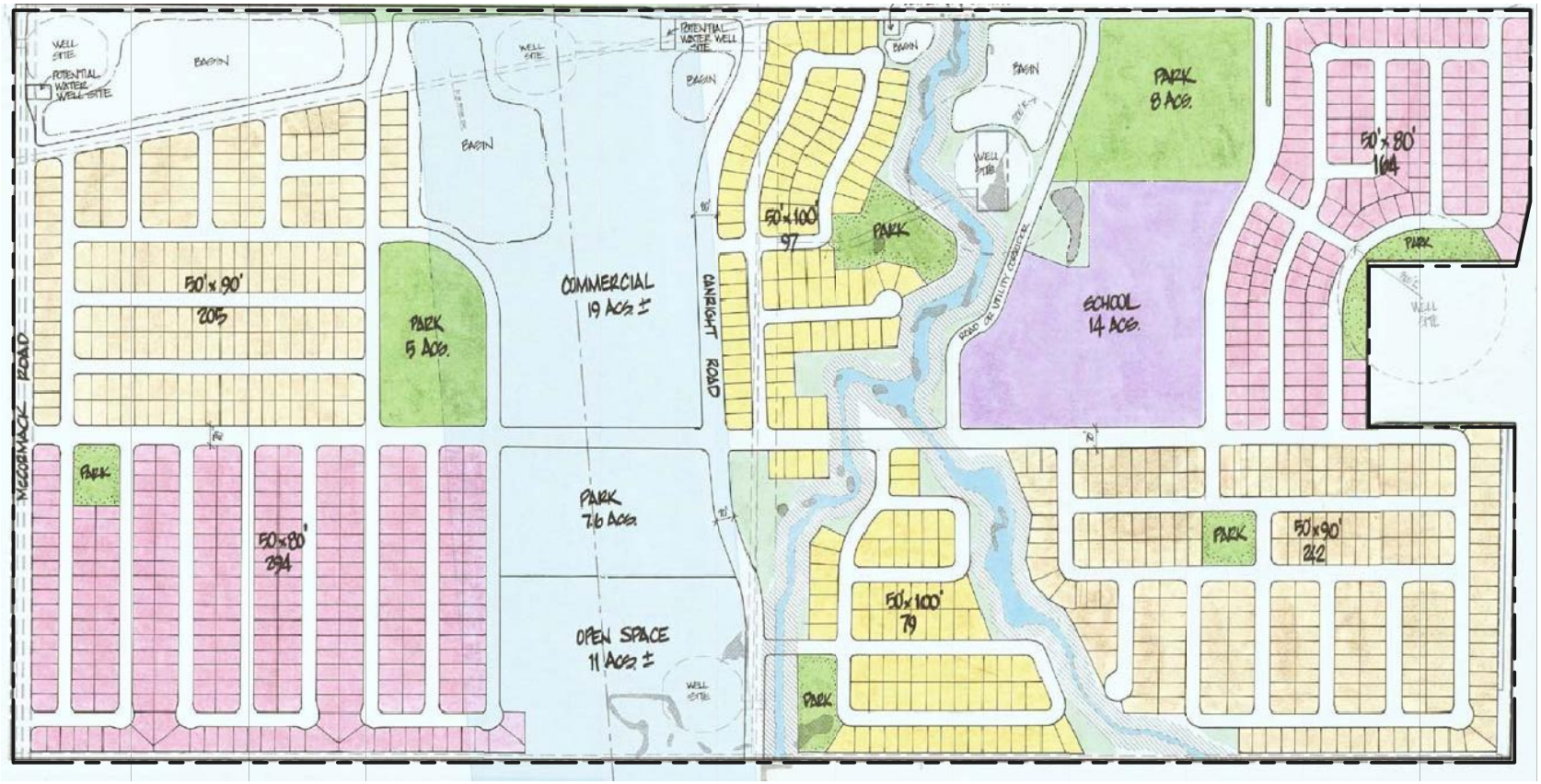
GeoSolve, Inc.
Geoscience solutions rather than Status–Quo
Address: 1807 Santa Rita Rd, Suite D–165
Pleasanton, California 94566
Visit us at www.geosolve-inc.com

Site Plan

DANVILLE DEVELOPMENT
PHASE II - ENVIRONMENTAL SITE ASSESSMENT
McCORMACK ROAD and LIBERTY ISLAND ROAD
RIO VISTA, CALIFORNIA

Project No.	Drawn by:
2021-05	GC
Scale:	Date:
NTS	02/2021

Figure No.
1



LEGEND

Site Property Line

N

0 300 600 1200

Approximate Scale (feet)

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Pleasanton, California 94566
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Conceptual Site Plan

DANVILLE DEVELOPMENT
PHASE II - ENVIRONMENTAL SITE ASSESSMENT
McCORMACK ROAD and LIVERTY ISLAND ROAD
RIO VISTA, CALIFORNIA

Project No.	Drawn by:
2021-05	GC
Scale:	Date:
AS SHOWN	02/2021

Figure No. 2

Well Finder
CalGEM GIS

More Info | Help | ©

Well Status and Well Type Filter

Search

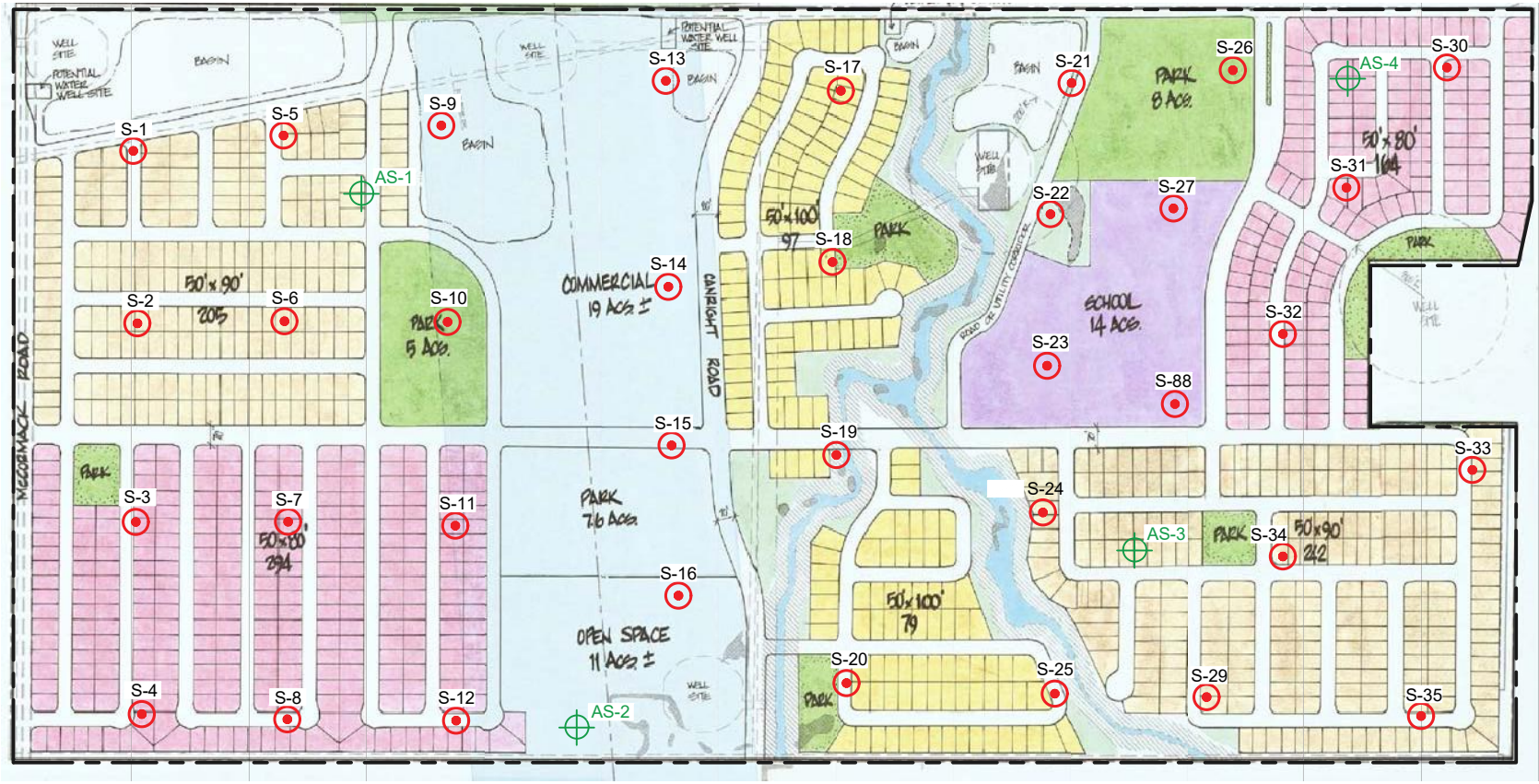
Zoom to Field

Measurement

Layers



Figure 3, Dry Gas Well Locations



LEGEND

Site Property Line

S-1 Surficial Soil Sample Location

AS-1 Background Arsenic Sample Location

N

0 300 600 1200

Approximate Scale (feet)

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Pleasanton, California 94566
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Conceptual Site Plan

DANVILLE DEVELOPMENT
PHASE II - ENVIRONMENTAL SITE ASSESSMENT
McCORMACK ROAD and LIVERTY ISLAND ROAD
RIO VISTA, CALIFORNIA

Project No.	Drawn by:
2021-05	GC
Scale:	Date:
AS SHOWN	02/2021

Figure No. 4

SITE PHOTOGRAPHS



Photo 1A: View of Southern Portion of Site (viewing south)



Photo 1B: View of Southwestern Portion of Site (viewing southwest)



Photo 2A: View of Canright Road in the Middle of Site (viewing west)



Photo 2B: View of Northern Portion of Site (viewing north)



Photo 3A: View of Northern Middle Site (viewing west)



Photo 3B: View of Northeastern Portion of Site (viewing northeast)



Photo 4A: Former Windmill on North-Central Portion of Site (viewing north)



Photo 4B: View of Agricultural Well below Former Windmill

PROPERTY DETAIL REPORTS

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ABOUT SSL CERTIFICATES

View Online Property Information

Assessor's Assessment Number	
0048-110-060	**No Situs record on file**

Property Information			
Acres	156.48	**Exemption**	$0
Lot Size	6,816,269	**Census**	2535.000
Tac	4021	**Tac Change No.**	347
Tac Last Year	4021	**Tac Year**	9293
Recorded Map	n/a	**Created on**	n/a
Created By	n/a	**Subdivison -**	
Use Code	5000 - agricultural property	**Unit -** n/a **Lot -** n/a **Block -** n/a **Sublot -** n/a	

Property Characterisitcs
No Property Characteristics Information Available

Zoning Information			
Acres	156.48	**Tax Rate Area**	4021
Zone 1	CITY	**Census Tract**	2535.000
Zone 2	n/a	**Use Code**	5000
Zone 2 Acres	0.00	**Planning file**	n/a
			n/a
Ag Preserve	n/a	**Land Division number**	n/a
Ag Preserve Status	No status on file	**Land Division Date**	n/a
Variance No.	n/a	**PUD Number**	n/a

Values By Year

	2020/21	2019/20	2018/19	2017/18	2016/17
Status	AC	AC	AC	AC	AC
Tax Area Code	4021	4021	4021	4021	4021
Tac Last Year	4021	4021	4021	4021	4021
Use Code	5000	5000	5000	5000	5000
Exem Status	NA	NA	NA	NA	NA
	Full Values				
Land	$1,004,253	$984,562	$965,257	$946,331	$927,776
Improvements	$0	$0	$0	$0	$0
Mineral Rights	$0	$0	$0	$0	$0
Trees/Vines	$0	$0	$0	$0	$0
Personalty	$0	$0	$0	$0	$0
Fixtures	$0	$0	$0	$0	$0
Penalties	$0	$0	$0	$0	$0
Exemptions	$0	$0	$0	$0	$0
Total	**$1,004,253**	**$984,562**	**$965,257**	**$946,331**	**$927,776**

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ABOUT SSL CERTIFICATES

View Online Property Information

Assessor's Assessment Number	
0048-110-460	**No Situs record on file**

Property Information			
Acres	68.94	**Exemption**	$0
Lot Size	3,003,026	**Census**	2535.000
Tac	4021	**Tac Change No.**	347
Tac Last Year	4021	**Tac Year**	9293
Recorded Map	45 -0069	**Created on**	n/a
Created By	Parcel Map	**Subdivison -**	
Use Code	5000 - agricultural property	**Unit -** n/a **Lot -** 2 **Block -** n/a **Sublot -** n/a	

Property Characterisitcs
No Property Characteristics Information Available

Values By Year	2020/21	2019/20	2018/19	2017/18	2016/17
Status	AC	AC	AC	AC	AC
Tax Area Code	4021	4021	4021	4021	4021
Tac Last Year	4021	4021	4021	4021	4021
Use Code	5000	5000	5000	5000	5000
Exem Status	NA	NA	NA	NA	NA
	Full Values				
Land	$447,507	$438,733	$430,131	$421,698	$413,430
Improvements	$0	$0	$0	$0	$0
Mineral Rights	$0	$0	$0	$0	$0
Trees/Vines	$0	$0	$0	$0	$0
Personalty	$0	$0	$0	$0	$0
Fixtures	$0	$0	$0	$0	$0
Penalties	$0	$0	$0	$0	$0
Exemptions	$0	$0	$0	$0	$0
Total	**$447,507**	**$438,733**	**$430,131**	**$421,698**	**$413,430**

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ABOUT SSL CERTIFICATES

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Assessor's Assessment Number

0048-110-470 **No Situs record on file**

Property Information

Acres	84.12	**Exemption**	$0
Lot Size	3,664,267	**Census**	2535.000
Tac	4021	**Tac Change No.**	347
Tac Last Year	4021	**Tac Year**	9293
Recorded Map	45 -0069	**Created on**	n/a
Created By	Parcel Map	**Subdivison -**	
Use Code	5000 - agricultural property	**Unit -** n/a **Lot -** 3 **Block -** n/a **Sublot -** n/a	

Property Characterisitcs

No Property Characteristics Information Available

Values By Year

	2020/21	2019/20	2018/19	2017/18	2016/17
Status	AC	AC	AC	AC	AC
Tax Area Code	4021	4021	4021	4021	4021
Tac Last Year	4021	4021	4021	4021	4021
Use Code	5000	5000	5000	5000	5000
Exem Status	NA	NA	NA	NA	NA
	Full Values				
Land	$539,861	$529,276	$518,899	$508,725	$498,750
Improvements	$0	$0	$0	$0	$0
Mineral Rights	$0	$0	$0	$0	$0
Trees/Vines	$0	$0	$0	$0	$0
Personalty	$0	$0	$0	$0	$0
Fixtures	$0	$0	$0	$0	$0
Penalties	$0	$0	$0	$0	$0
Exemptions	$0	$0	$0	$0	$0
Total	**$539,861**	**$529,276**	**$518,899**	**$508,725**	**$498,750**

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ABOUT SSL CERTIFICATES

View Online Property Information

Assessor's Assessment Number	
0048-110-480	**No Situs record on file**

Property Information			
Acres	0.66	**Exemption**	$0
Lot Size	29,185	**Census**	2535.000
Tac	4021	**Tac Change No.**	347
Tac Last Year	4021	**Tac Year**	9293
Recorded Map	45 -0069	**Created on**	n/a
Created By	Parcel Map	**Subdivison -**	
Use Code	6463 - range land	**Unit -** n/a **Lot -** 4 **Block -** n/a **Sublot -** n/a	

Property Characterisitcs

No Property Characteristics Information Available

Values By Year

	2020/21	2019/20	2018/19	2017/18	2016/17
Status	AC	AC	AC	AC	AC
Tax Area Code	4021	4021	4021	4021	4021
Tac Last Year	4021	4021	4021	4021	4021
Use Code	6463	6400	6400	6400	6400
Exem Status	NA	NA	NA	NA	NA
	Full Values				
Land	$2,636	$272	$267	$262	$257
Improvements	$0	$0	$0	$0	$0
Mineral Rights	$0	$0	$0	$0	$0
Trees/Vines	$0	$0	$0	$0	$0
Personalty	$0	$0	$0	$0	$0
Fixtures	$0	$0	$0	$0	$0
Penalties	$0	$0	$0	$0	$0
Exemptions	$0	$0	$0	$0	$0
Total	**$2,636**	**$272**	**$267**	**$262**	**$257**

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AERIAL PHOTOGRAPHS
HISTORICAL TOPOGRAPHIC MAPS
CERTIFIED SANBORN MAP REPORT
CITY DIRECTORIES

Brann Ranch

Liberty Island Road

Rio Vista, CA 94571

Inquiry Number: 6378411.11

February 24, 2021

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

02/24/21

Site Name:

Brann Ranch
Liberty Island Road
Rio Vista, CA 94571
EDR Inquiry # 6378411.11

Client Name:

GeoSolve
1807 Santa Rita Road
Pleasanton, CA 94566-0000
Contact: Robert Campbell

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

Search Results:

Year	Scale	Details	Source
2016	1"=750'	Flight Year: 2016	USDA/NAIP
2012	1"=750'	Flight Year: 2012	USDA/NAIP
2009	1"=750'	Flight Year: 2009	USDA/NAIP
2006	1"=750'	Flight Year: 2006	USDA/NAIP
1993	1"=750'	Acquisition Date: January 01, 1993	USGS/DOQQ
1984	1"=750'	Flight Date: September 01, 1984	USDA
1974	1"=750'	Flight Date: April 11, 1974	USGS
1972	1"=750'	Flight Date: July 06, 1972	USDA
1968	1"=750'	Flight Date: January 01, 1968	USGS
1952	1"=750'	Flight Date: August 02, 1952	USDA
1937	1"=750'	Flight Date: August 20, 1937	USDA

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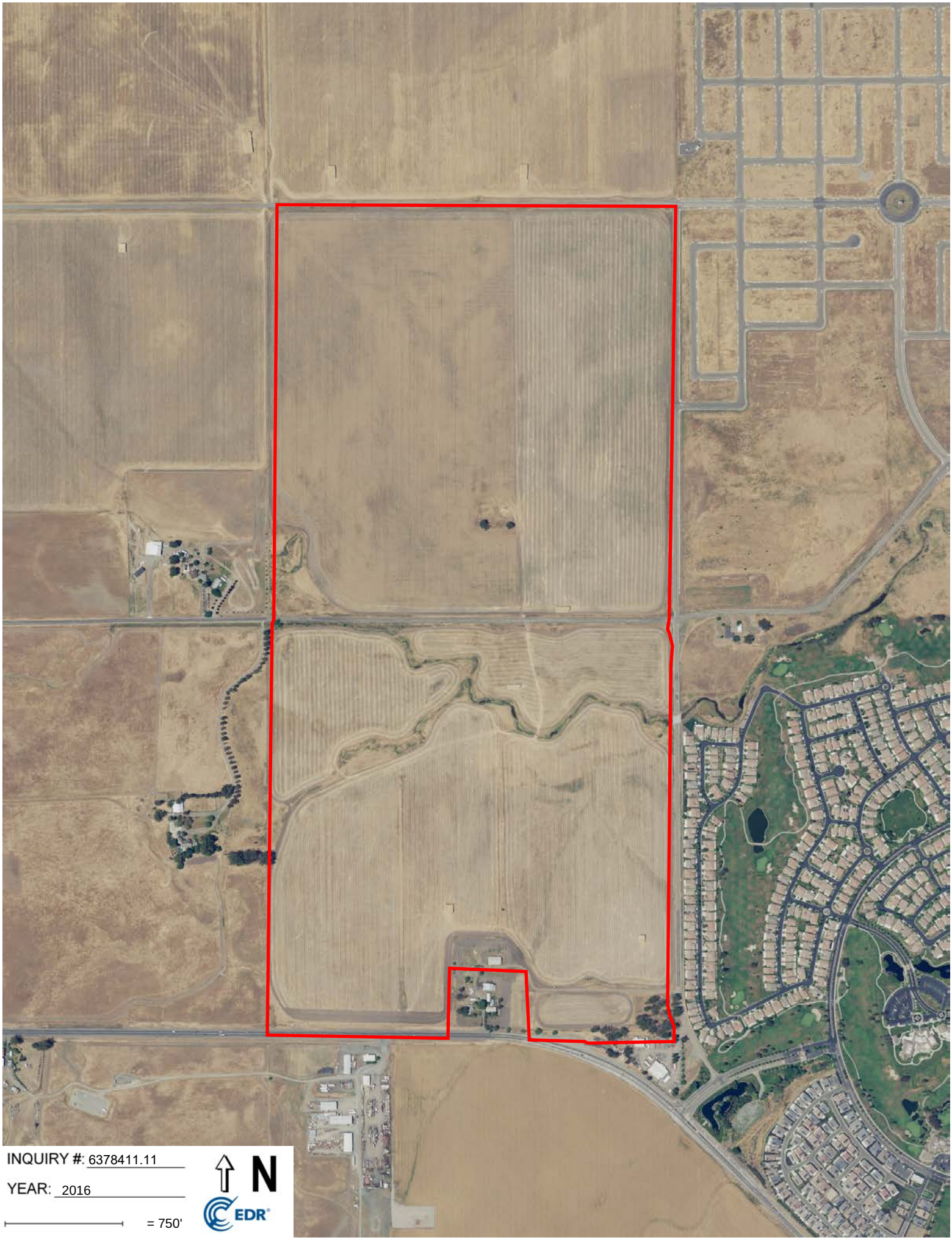
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YEAR: 2016
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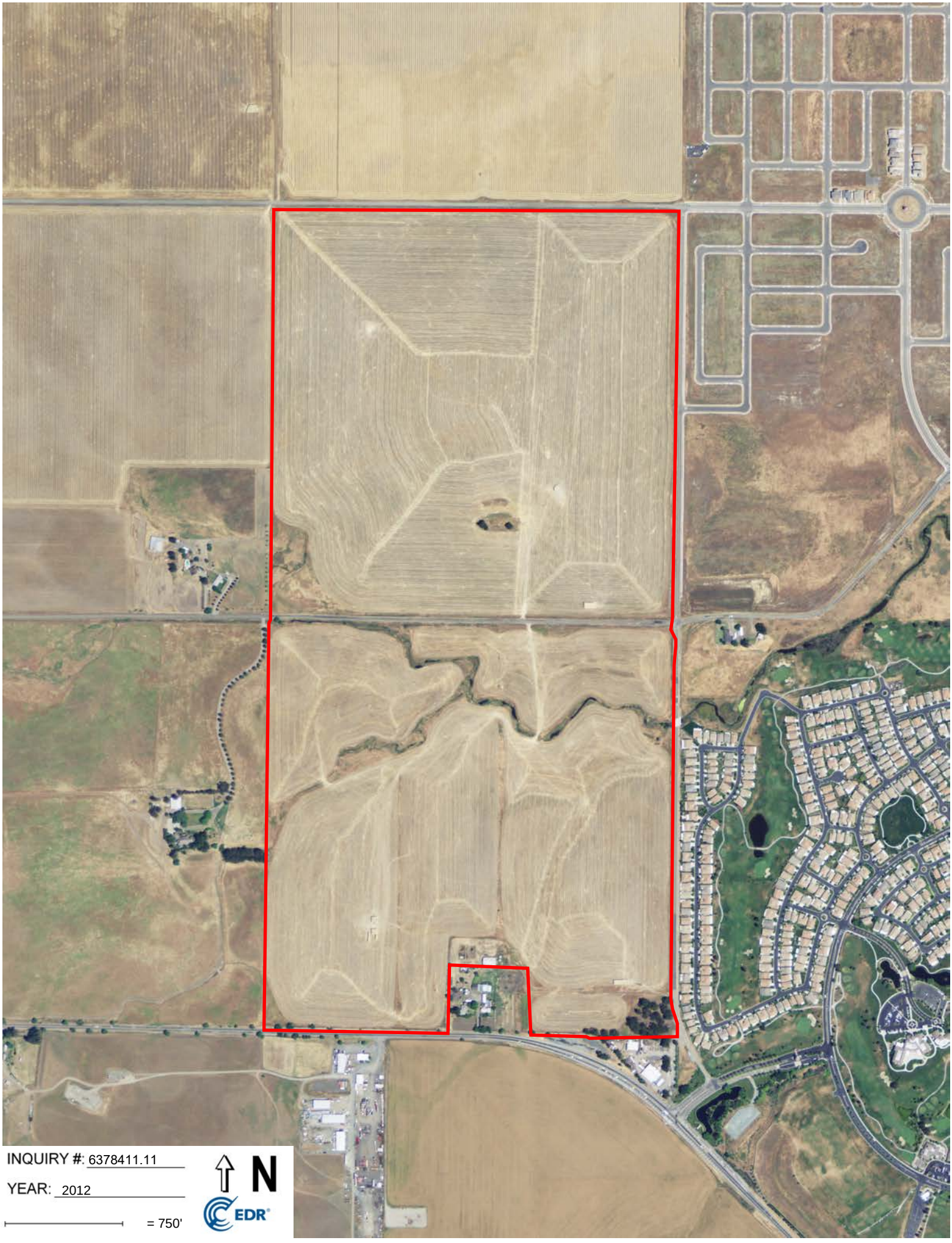
EDR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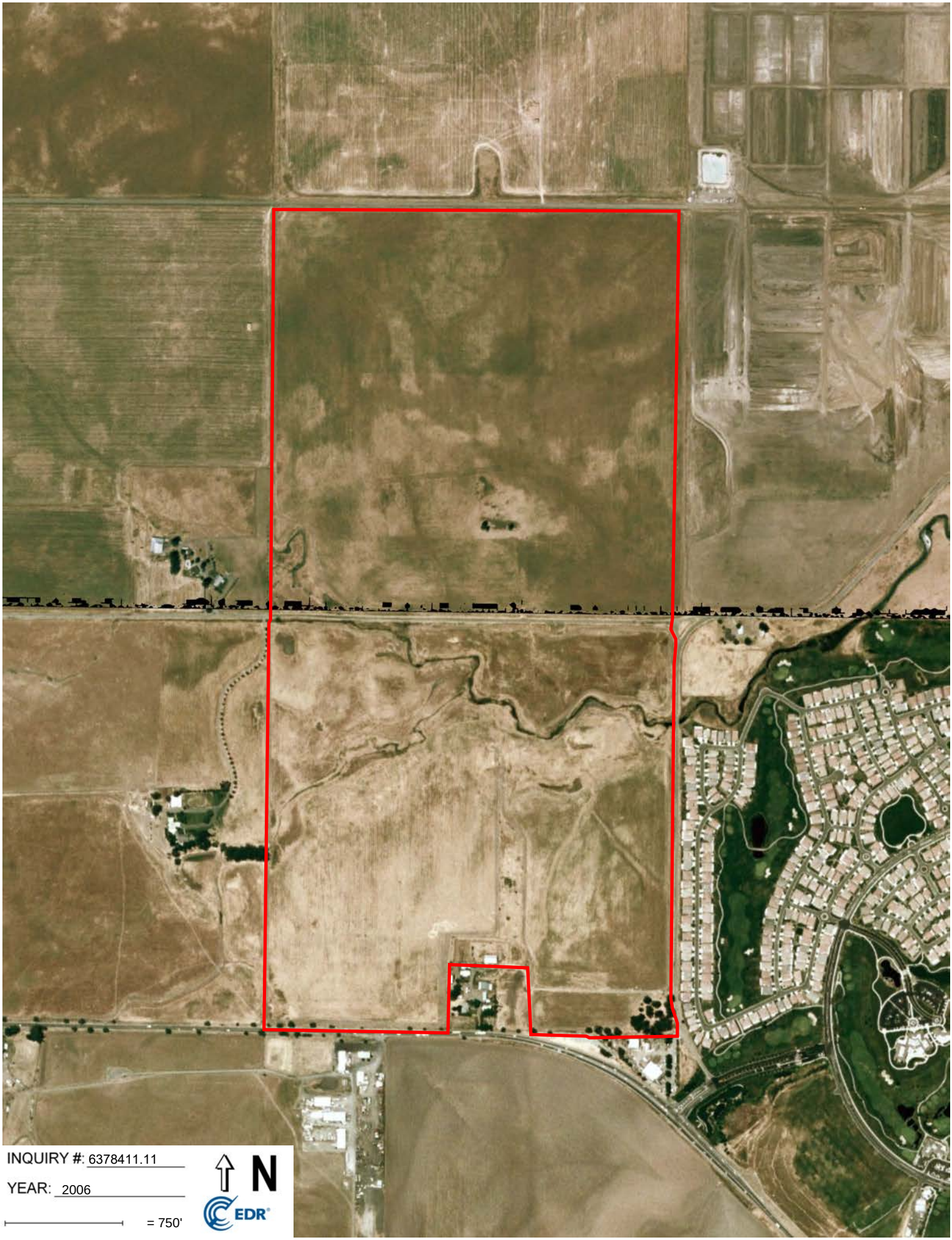
YEAR: 2012
= 750'
N
EDR


INQUIRY #: 6378411.11
YEAR: 2009
= 750'
N
EDR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YEAR: 2006
= 750'
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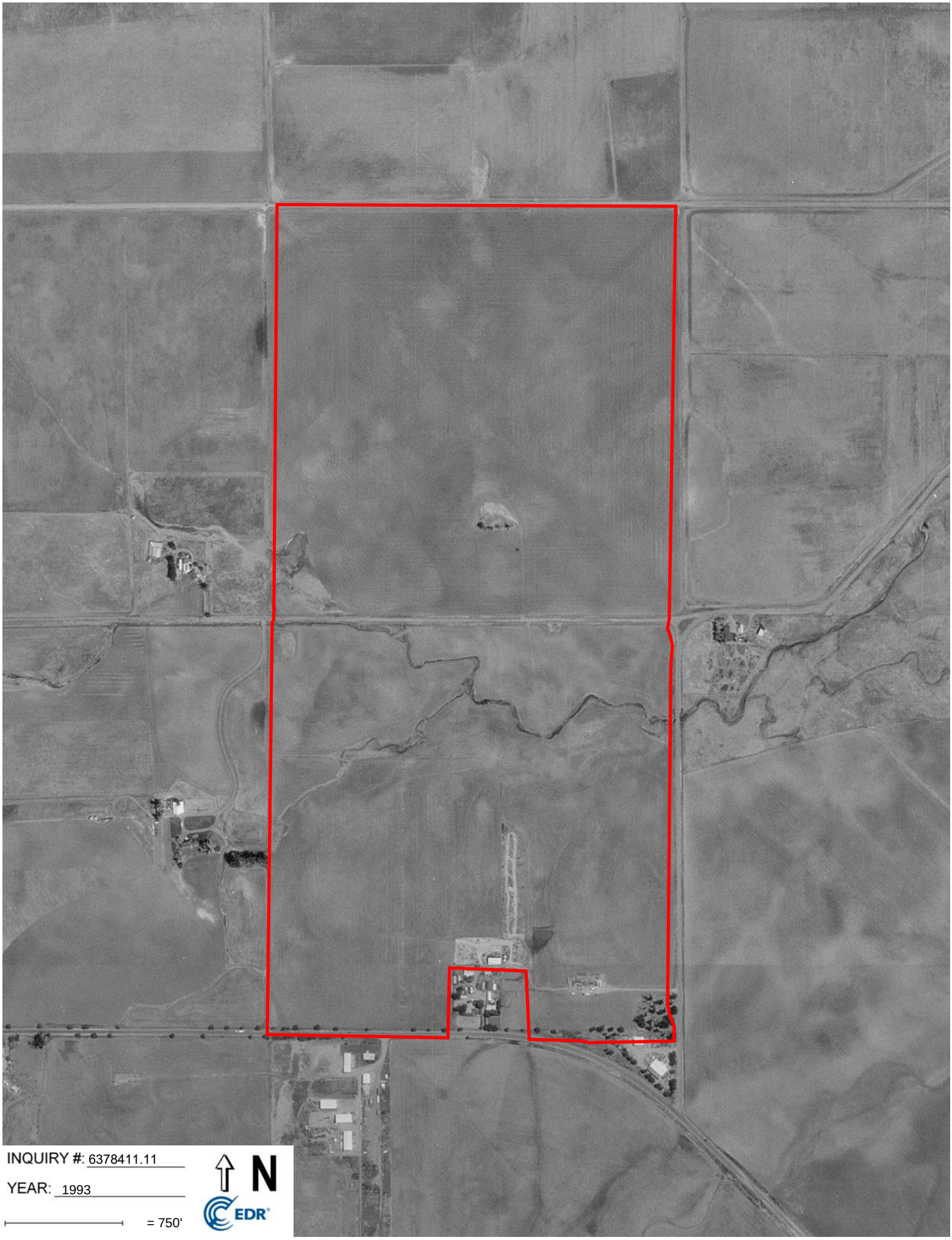
EDR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YEAR: 1993
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EDR


INQUIRY #: 6378411.11
YEAR: 1984
= 750'
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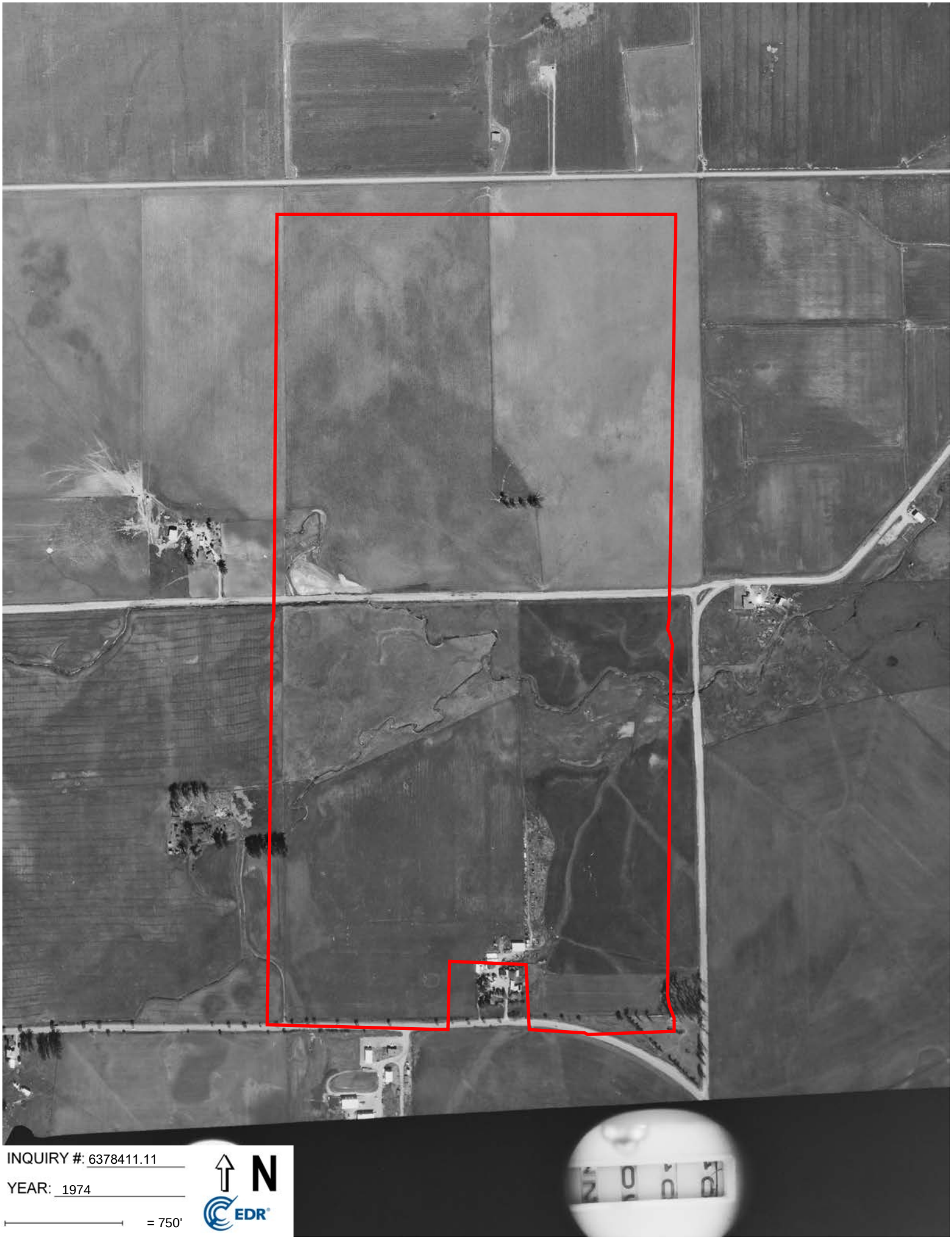
EDR



INQUIRY #: 6378411.11

YEAR: 1974

= 750'

N

EDR


INQUIRY #: 6378411.11
YEAR: 1972
= 750'
N
EDR



INQUIRY #: 6378411.11

YEAR: 1968

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 6378411.11

YEAR: 1952

= 750'

N

EDR



INQUIRY #: 6378411.11

YEAR: 1937

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

Brann Ranch

Liberty Island Road

Rio Vista, CA 94571

Inquiry Number: 6378411.4

February 23, 2021

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

02/23/21

Site Name:	Client Name:
Brann Ranch	GeoSolve
Liberty Island Road	1807 Santa Rita Road
Rio Vista, CA 94571	Pleasanton, CA 94566-0000
EDR Inquiry # 6378411.4	Contact: Robert Campbell

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by GeoSolve 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:		*Coordinates:*	
P.O.#	2021-05	**Latitude:**	38.190746 38° 11' 27" North
Project:	2021-05	**Longitude:**	-121.727919 -121° 43' 41" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	611397.59
		UTM Y Meters:	4227743.68
		Elevation:	31.42' above sea level

Maps Provided:

2012
1993
1978
1968
1953
1952
1910

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Topo Sheet Key

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

2012 Source Sheets



Birds Landing
2012
7.5-minute, 24000



Rio Vista
2012
7.5-minute, 24000

1993 Source Sheets



Rio Vista
1993
7.5-minute, 24000
Aerial Photo Revised 1974

1978 Source Sheets



Birds Landing
1978
7.5-minute, 24000
Aerial Photo Revised 1968



Rio Vista
1978
7.5-minute, 24000
Aerial Photo Revised 1974

1968 Source Sheets



Birds Landing
1968
7.5-minute, 24000
Aerial Photo Revised 1968

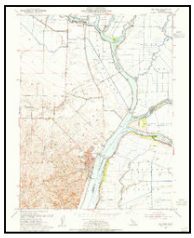


Rio Vista
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Topo Sheet Key

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

1953 Source Sheets

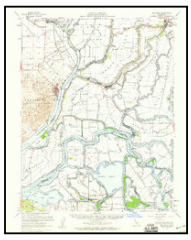


Rio Vista
1953
7.5-minute, 24000
Aerial Photo Revised 1949



Birds Landing
1953
7.5-minute, 24000
Aerial Photo Revised 1949

1952 Source Sheets



Rio Vista
1952
15-minute, 62500
Aerial Photo Revised 1949

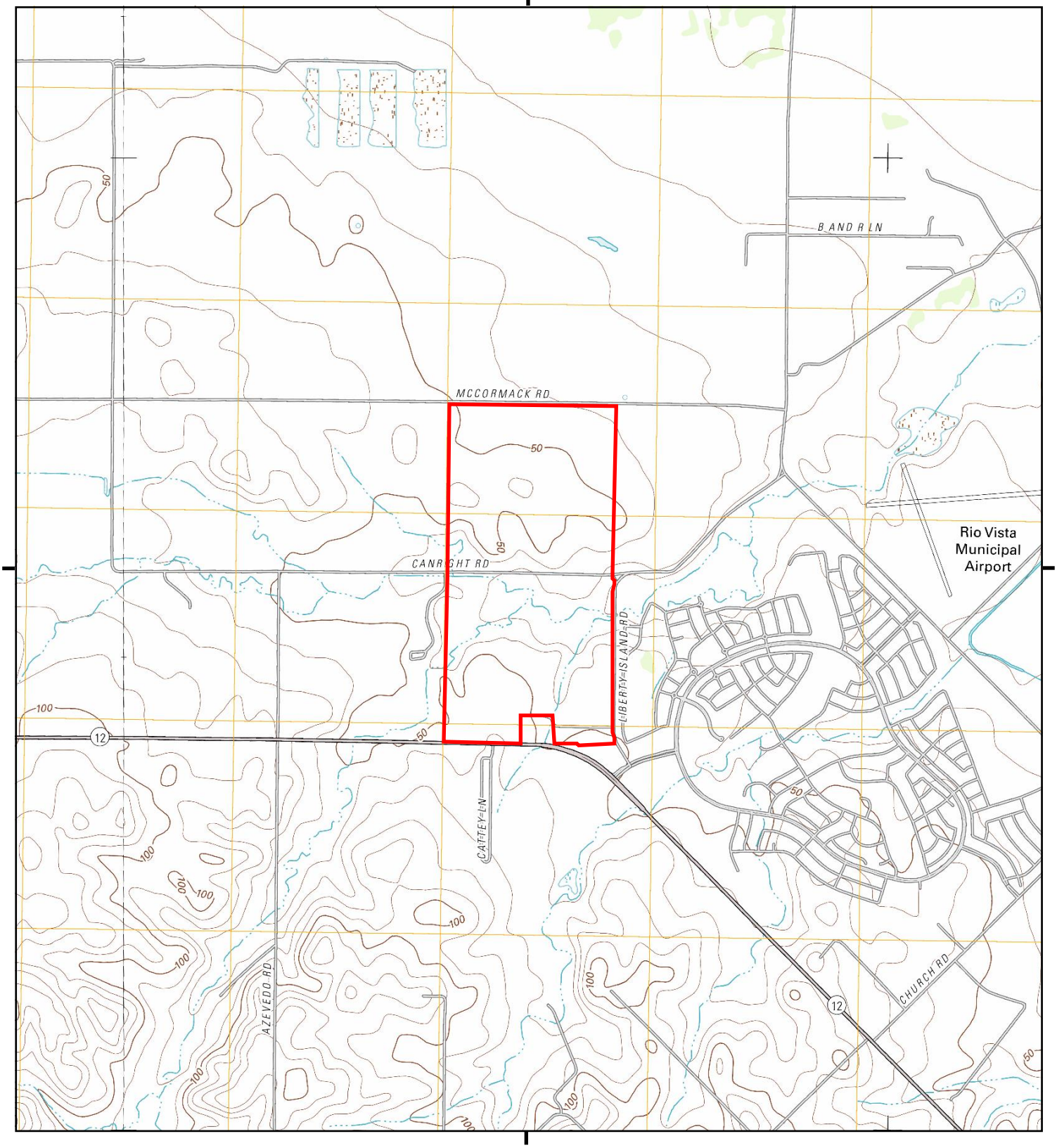
1910 Source Sheets



Rio Vista
1910
7.5-minute, 31680

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

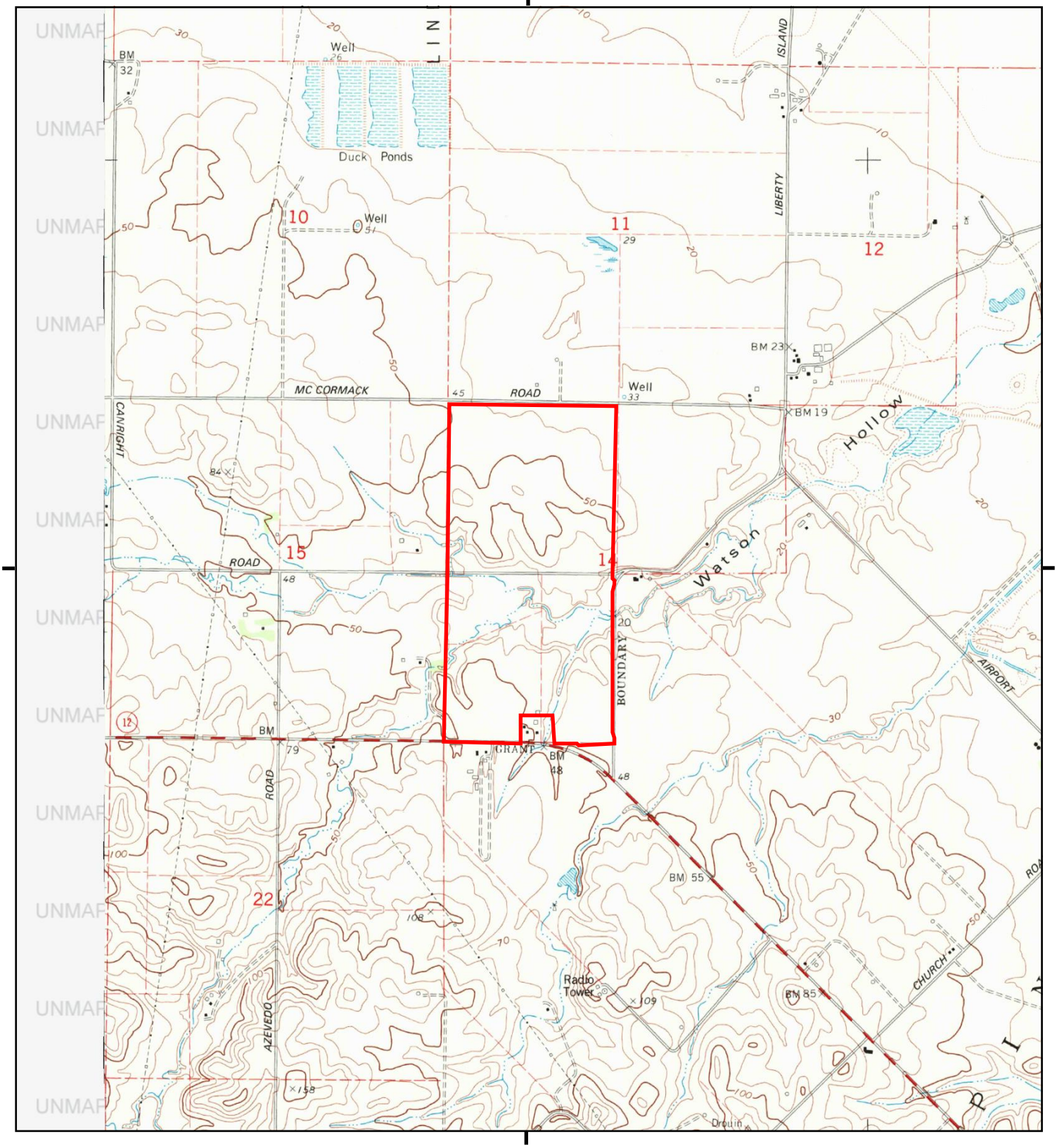
TP, Rio Vista, 2012, 7.5-minute
W, Birds Landing, 2012, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: Liberty Island Road
Rio Vista, CA 94571
CLIENT: GeoSolve

N

Historical Topo Map

1993



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

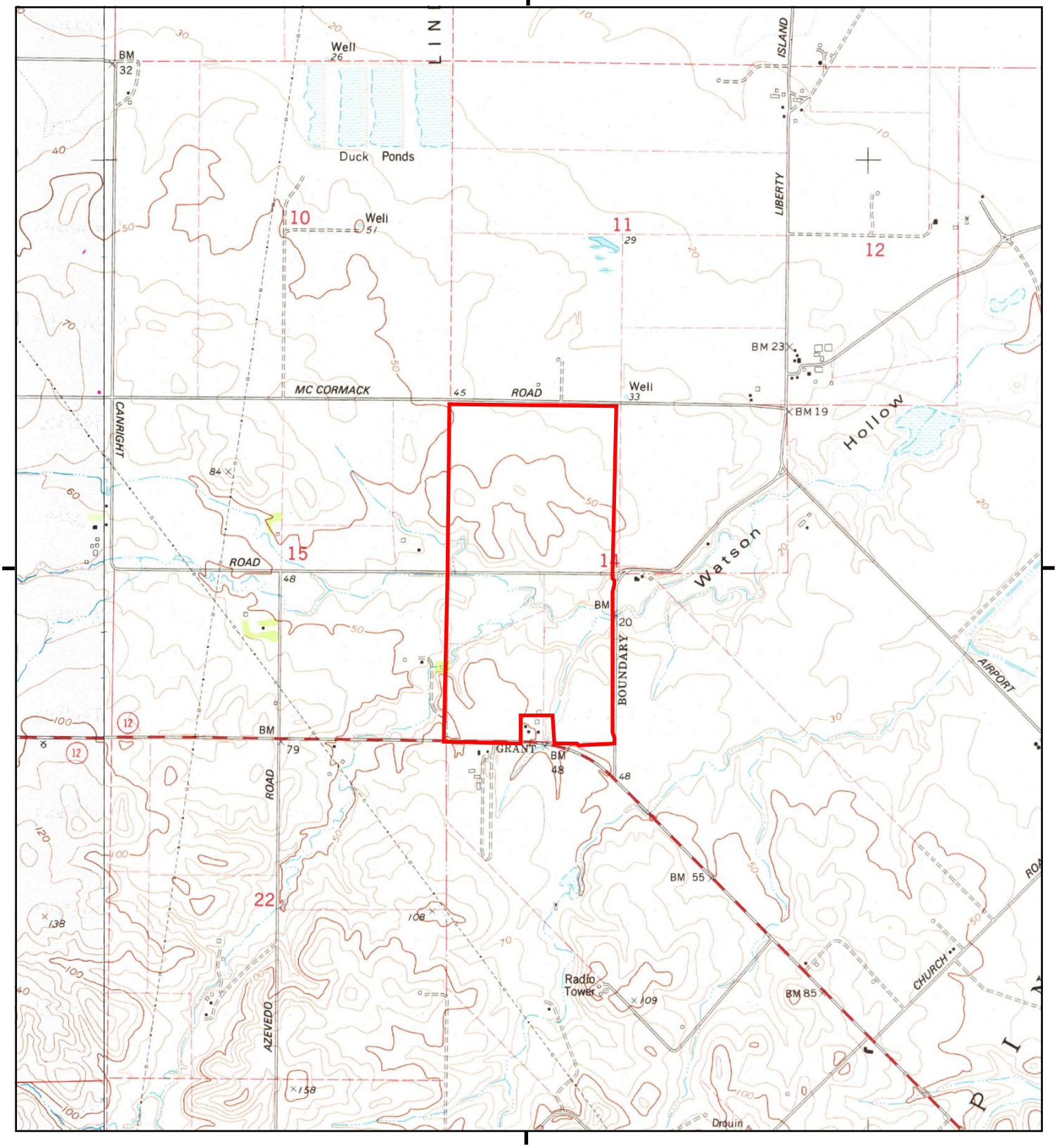
TP, Rio Vista, 1993, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: Liberty Island Road
Rio Vista, CA 94571
CLIENT: GeoSolve

N

Historical Topo Map

1978



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

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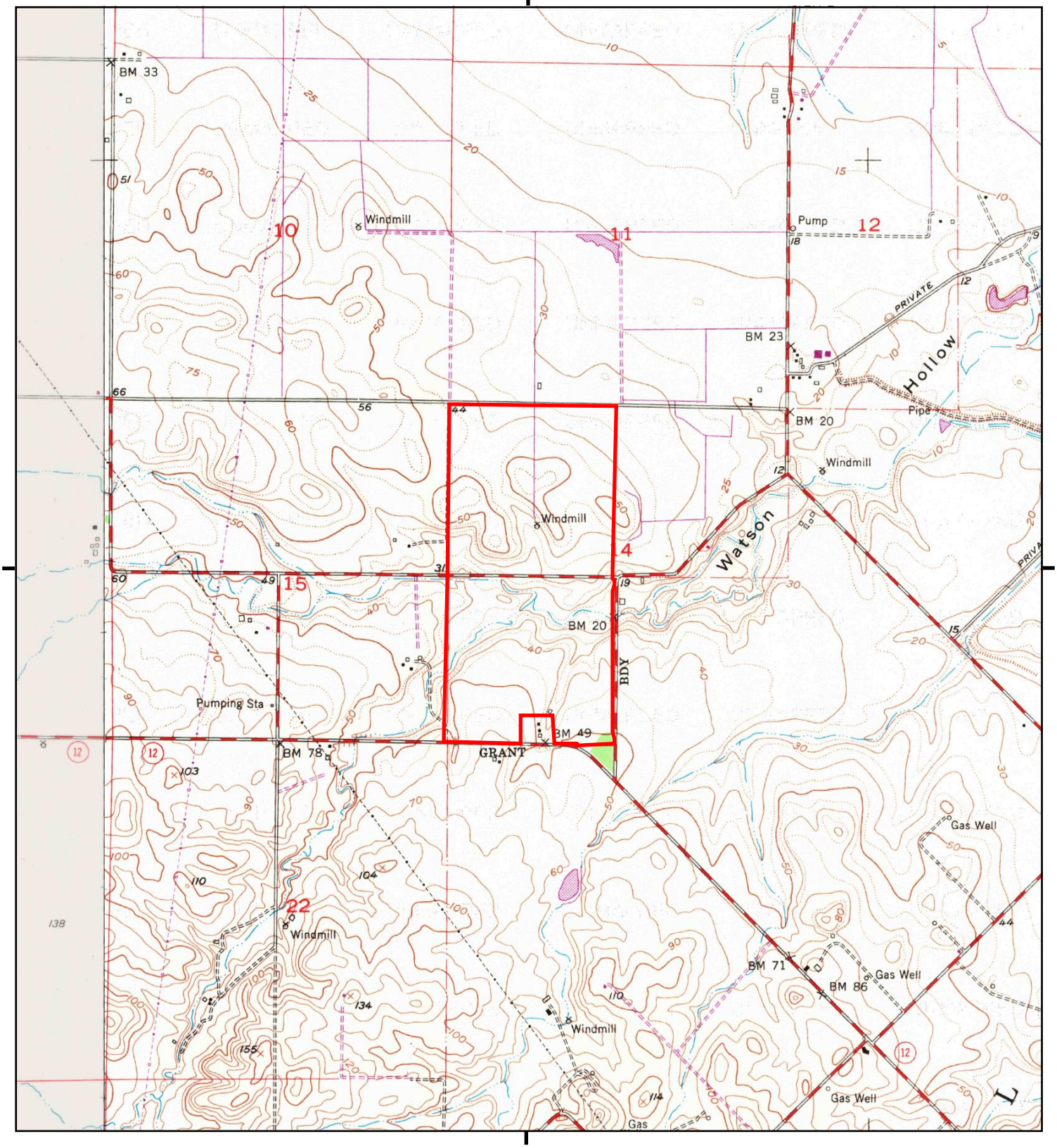
NW N NE
W E
SW S SE

TP, Rio Vista, 1978, 7.5-minute
W, Birds Landing, 1978, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: Liberty Island Road
Rio Vista, CA 94571
CLIENT: GeoSolve

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

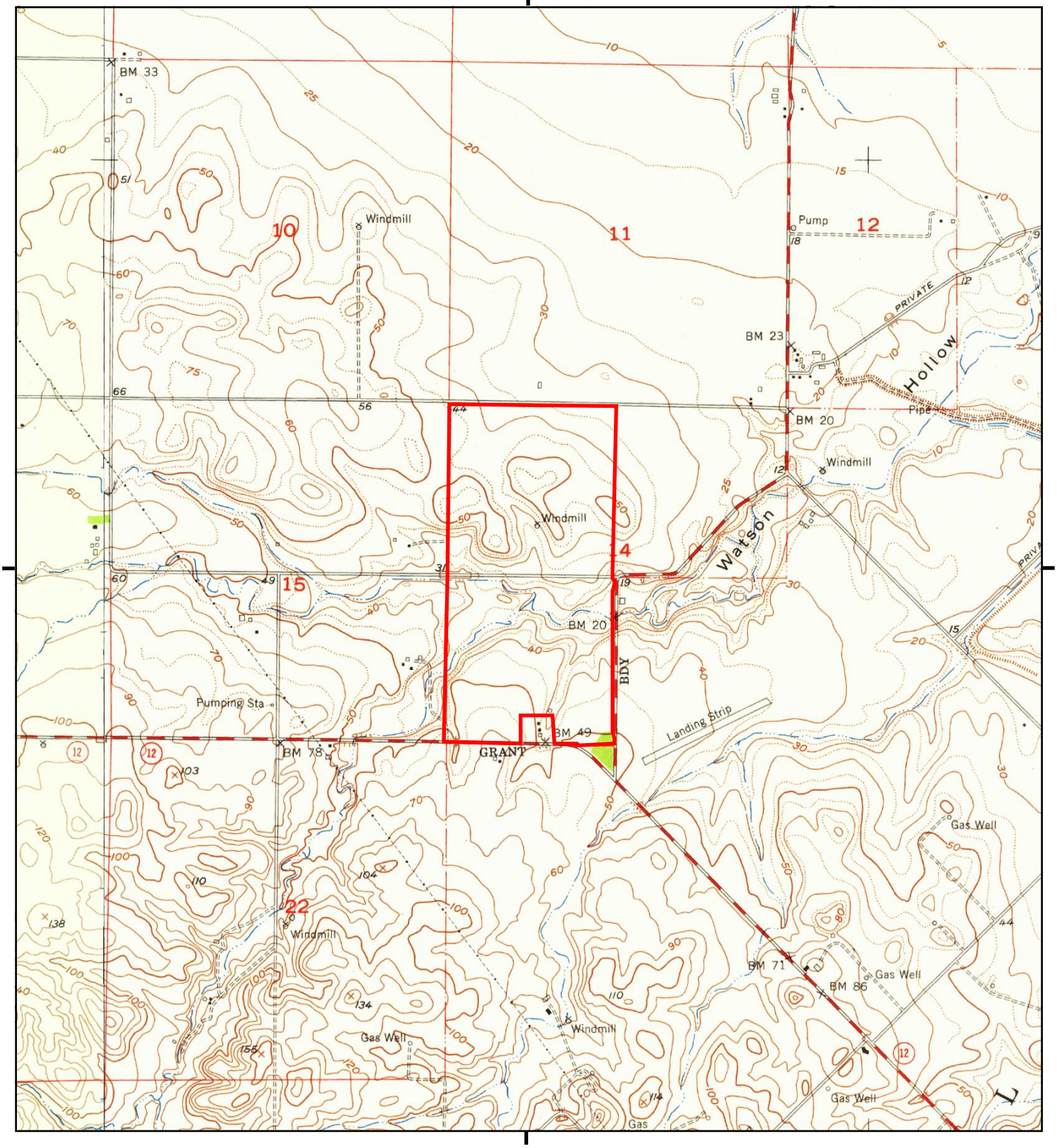
TP, Rio Vista, 1968, 7.5-minute
W, Birds Landing, 1968, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: Liberty Island Road
Rio Vista, CA 94571
CLIENT: GeoSolve

N

Historical Topo Map

1953



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

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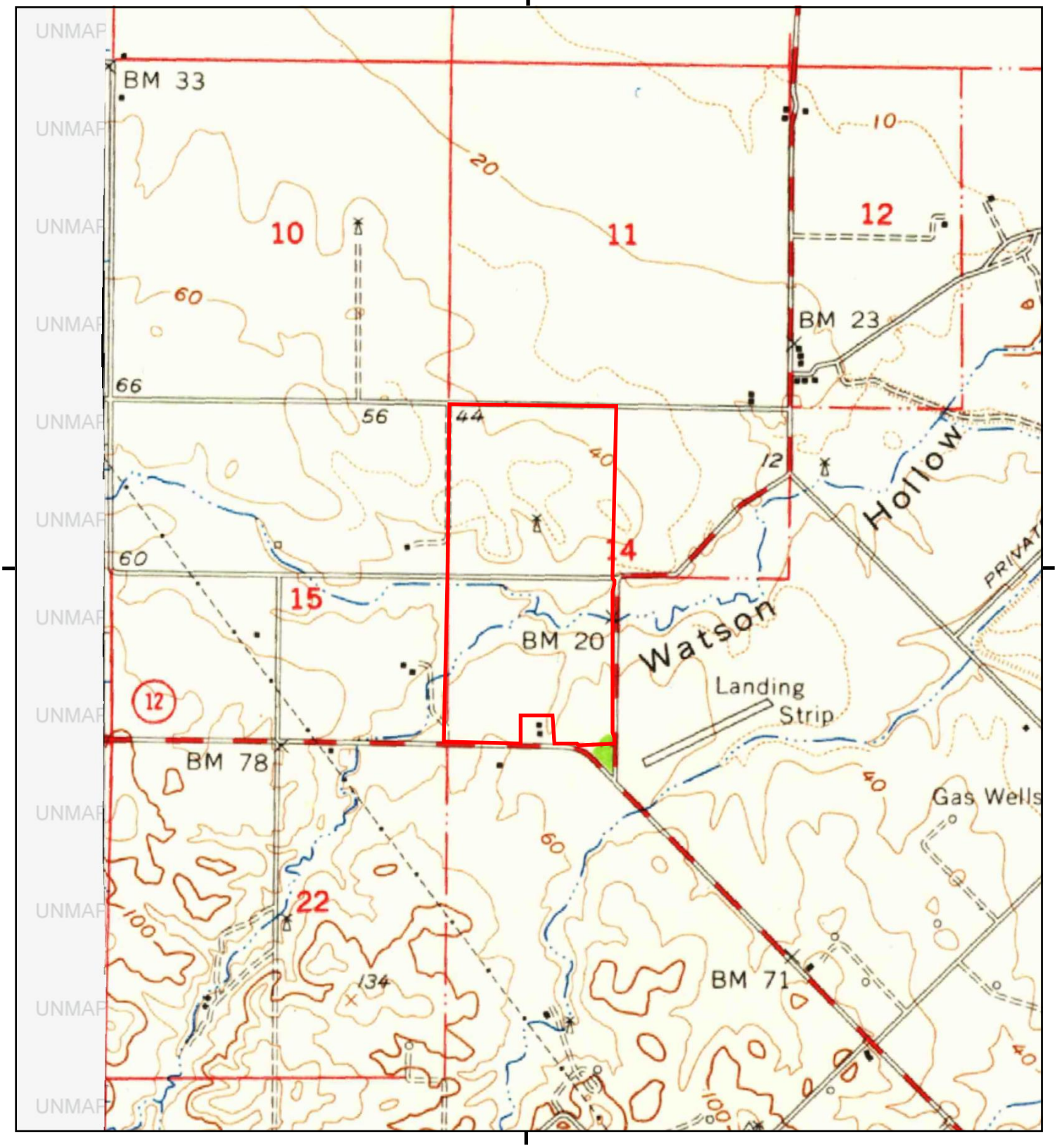
NW N NE
W E
SW S SE

TP, Rio Vista, 1953, 7.5-minute
W, Birds Landing, 1953, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: Liberty Island Road
Rio Vista, CA 94571
CLIENT: GeoSolve

N



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

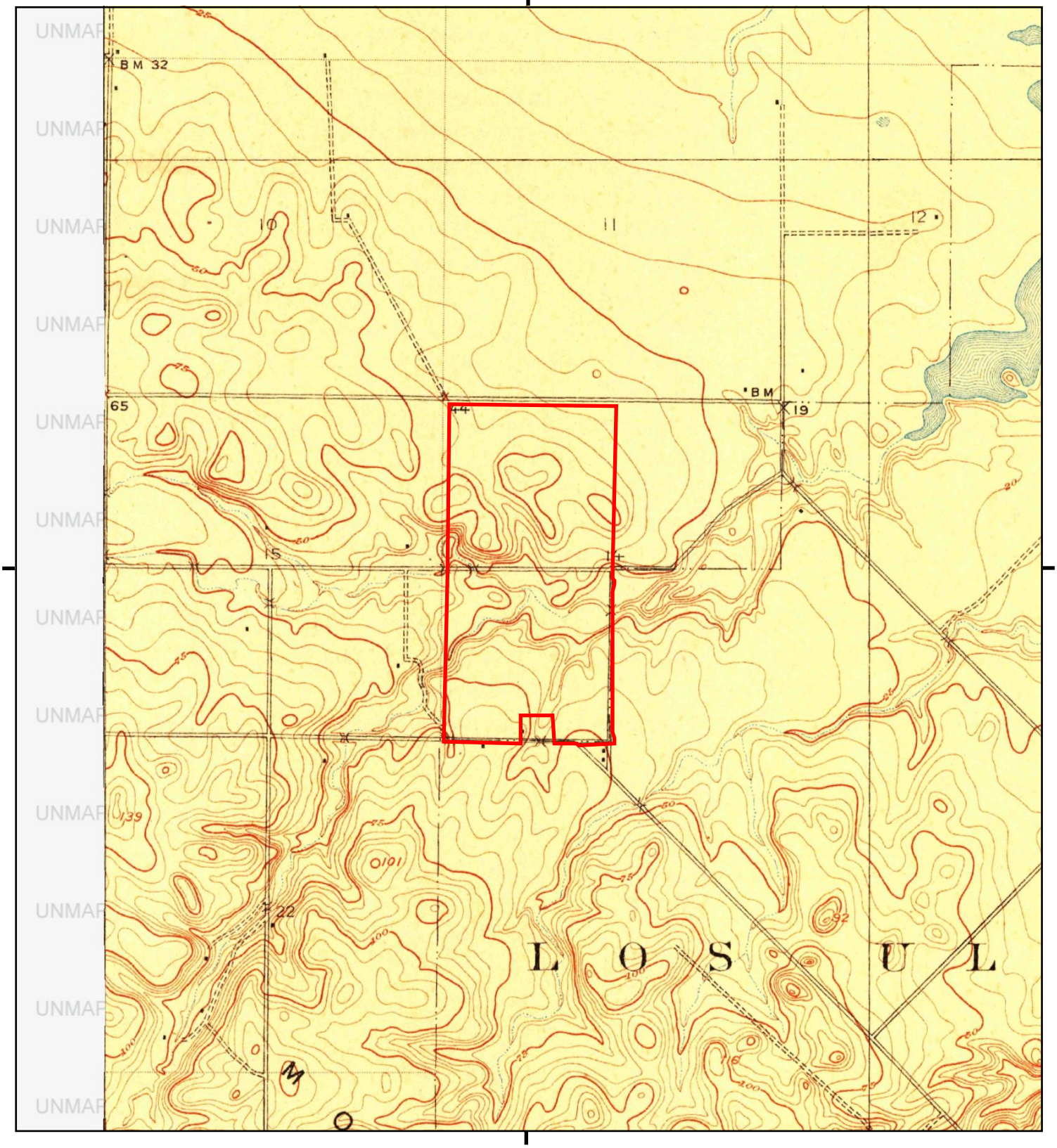
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Rio Vista, 1952, 15-minute

SITE NAME: Brann Ranch
ADDRESS: Liberty Island Road
Rio Vista, CA 94571
CLIENT: GeoSolve

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Rio Vista, 1910, 7.5-minute

SITE NAME: Brann Ranch
ADDRESS: Liberty Island Road
Rio Vista, CA 94571
CLIENT: GeoSolve

N

Brann Property
Liberty Island Road
Rio Vista, CA 94571

Inquiry Number: 6428452.1
March 31, 2021

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

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

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

Liberty Island Road
Brann Property
Rio Vista, CA 94571

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

Solano Recorder
Solano, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Margaret Brann Anderson Lisa Brann Taron Laurie Br
Title received from:	Timothy D Taron Trustee
Deed Dated	9/19/2019
Deed Recorded:	10/1/2019
Book:	NA
Page:	na
Volume:	NA
Instrument:	na
Docket:	na
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Margaret Brann Anderson Lisa Brann Taron Laurie Brann Barron Julie Brann Merk
Parcel # / Property Identifier:	0048-110-460, 0048-110-470, 0048-110-480, 0048-110-060
Comments:	See Exhibit

Deed Exhibit 1

Recorded in Official Records of Solano County

Marc C. Tonnesen
Assessor/Recorder

10/1/2019
2:29:57 PM
AR64
06

Law Office of Tobey & Arnal

Doc # **201900069245**

Titles:	1	Pages.	10
Fees			$50.00
Taxes			$0.00
SB2 Fee			$75.00
Other			$0.00
Paid			$125.00

Recording requested by:
and when recorded, mail to:

TIMOTHY D. TARON, Trustee
Brann Irrevocable Trust
3102 Barberry Lane
Sacramento, CA 95864

SPACE ABOVE THIS LINE FOR RECORDER'S USE

APNs: 0048-110-060, 0048-110-460, 0048-110-470, 0048-110-480

GRANT DEED

The undersigned declares:

Documentary Transfer Tax:	$0.00; Reason of Death; R&T§11930
GC §27388.1 Exemption:	No exemption; subject to $75.00 fee

For no consideration

TIMOTHY D. TARON, Trustee of the Brann Irrevocable Trust, created under the Richard Brann Revocable Trust dated January 15, 2010, hereby grants to

> MARGARET BRANN ANDERSON, LISA BRANN TARON, LAURIE BRANN BARRON, and JULIE BRANN MERK, each as to an undivided twenty-five percent interest and as tenants in common,

all his interest in that real property commonly located in Rio Vista, in the County of Solano, State of California, and described as follows: See Exhibit 1, attached hereto and made a part hereof.

Brann Irrevocable Trust created under the Richard Brann Revocable Trust dated January 15, 2010

Date: September 19, 2019

TIMOTHY D. TARON, Trustee

Mail tax statements to:
TIMOTHY D. TARON, 3102 Barberry Lane, Sacramento, CA 95864

NOTARY ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

County of Sacramento

On September 19, 2019, before me, M. McGuire, Notary Public, personally appeared

TIMOTHY D. TARON

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity, and that by his/~~her/their~~ signature(~~s~~) on the instrument, the person(~~s~~) or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

M. McGuire

Signature of Notary Public

M. MCGUIRE
Notary Public - California
Sacramento County
Commission # 2173832
My Comm. Expires Dec 8, 2020

Exhibit 1

PARCEL ONE:

Lot 4, as shown on Parcel Map "Brann Property", filed July 1, 2004 in Book 45 of Parcel Maps, Page 69, 70 and 71, Solano County Records. **APN 0048-110-480.**

PARCEL ONE-A:

A non-exclusive 30 foot easement in width for ingress and egress as an appurtenance to Lot 4 (45 PM 39), running easterly along the eastern boundary of well site #2 until it intersects with Liberty Island Road. Grantee agrees to relocation of this easement in the future provided comparable access is provided.

PARCEL ONE-B:

A non-exclusive easement for pipelines for products produced from Lot 4, as an appurtenance to Lot 4 (45 PM 39), over, under and upon that portion thereof designated as "Proposed C/L 20" Wide Pipeline Easement" on the filed map.

PARCEL ONE-C:

A non-exclusive setback easement, as an appurtenance to Lot 4 (45 PM 39), over that portion thereof designated as "Setback Area Easement" on the filed map.

PARCEL TWO:

All of the minerals of every kind, including, but not limited to, oil, gas, geothermal steam, casinghead gas, asphaltum and other hydrocarbons and chemical gas now or hereafter found, situated or located in all or any portion of the lands described immediately hereafter lying more than five hundred feet (500') below the surface thereof, together with the right to slant drill for and remove all or any of said gas, oil, casinghead gas, asphaltum and other hydrocarbons or chemical gas lying below a depth of more than five hundred feet (500') below the surface thereof including the right to grant leases for all or any of said purposes, but without any right whatsoever, except pursuant to the easement rights as reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County, to enter upon the surface of said lands or any portion thereof within five hundred feet (500') vertical distance below the surface thereof. Lands: Lot 2 and Lot 3 (**APNs 0048-110-460 and 0048-110-470**) as shown on Parcel Map "Brann Property," filed July 1, 2004, in Book 45 of Parcel Maps, Pages 69, 70 and 71, Solano County Records. Said mineral rights were initially reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County.

PARCEL THREE

PARCEL THREE-A:

An exclusive easement for each of the three (3) well sites (each 105' x 280') and non-exclusive easements for access, for pipelines for products produced from the well site and setback over that portion the Northwest 1/4 Section 14 Township 4 North, Range 2 East, Mount Diablo Base and Meridian (**APN 0048-110-060**), described as Well Easements A, B and C attached hereto as Exhibit "A" and as depicted as Exhibit "B" with the right of surface entry. Said easements were initially reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County.

PARCEL THREE-B:

All of the minerals of every kind, including, but not limited to, oil, gas, geothermal steam, casinghead gas, asphaltum and other hydrocarbons and chemical gas now or hereafter found, situated or located in all or any portion of the lands described immediately hereafter lying more than five hundred feet (500') below the surface thereof, together with the right to slant drill for and remove all or any of said gas, oil, casinghead gas, asphaltum and other hydrocarbons or chemical gas lying below a depth of more than five hundred feet (500') below the surface thereof including the right to grant leases for all or any of said purposes, but without any right whatsoever, except pursuant to the easement rights as reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County, to enter upon the surface of said lands or any portion thereof within five hundred feet (500') vertical distance below the surface thereof NOT EXCEPTING however surface rights over those portions described as Wells Easements A, B and C attached hereto as Exhibit "A" and as depicted as Exhibit "B". Lands: Northwest 1/4 Section 14 Township 4 North, Range 2 East, Mount Diablo Base and Meridian (**APN 0048-110-060**). Said mineral rights were initially reserved in Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County.

As set forth in the aforementioned Document recorded August 30, 2004 as Instrument No. 2004-121630 of Official Records, Solano County, because the access and transmission pipeline easements will be relocated in the future when the vesting tentative maps and/or final subdivision maps are recorded and street alignments finalized, the parties hereto, or their successors, shall cooperate to relocate the access easements and/or pipeline easements within the alignment of the streets or other public rights of way and the existing easements that are being relocated shall thereupon be extinguished. In the event that a transmission pipeline must be relocated within the alignment of a street or public rights of way, it shall be relocated at the cost of Grizzly Inc., A California Corporation, or its successor.

EXHIBIT "A"
LEGAL DESCRIPTION
WELL EASEMENT 'A'

ALL THAT REAL PROPERTY SITUATE IN THE CITY OF RIO VISTA, COUNTY OF SOLANO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING A PORTION OF THE NORTHWEST 1/4 SECTION 14 TOWNSHIP 4 NORTH, RANGE 2 EAST, MOUNT DIABLO BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID NORTHWEST ¼ OF SECTION 14 AND ALONG THE NORTHERLY LINE OF SECTION 14 NORTH 89°50'17" WEST, 128.62 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID NORTHERLY LINE NORTH 89°50'17" WEST, 30.00 FEET;

THENCE LEAVING SAID NORTHERLY LINE SOUTH 00°09'43" WEST, 46.05 FEET;

THENCE NORTH 89°50'17" WEST, 75.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT, WHICH CENTER BEARS SOUTH 30°36'57" EAST, HAVING A RADIUS OF 162.95 FEET, THROUGH A CENTRAL ANGLE OF 118°26'41" AND AN ARC LENGTH OF 336.86 FEET;

THENCE SOUTH 89°50'17" EAST, 105.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT, WHICH CENTER BEARS NORTH 29°44'25" WEST, HAVING A RADIUS OF 161.50 FEET, THROUGH A CENTRAL ANGLE OF 120°11'46" AND AN ARC LENGTH OF 338.80 FEET;

THENCE NORTH 00°09'43" EAST, 46.05 FEET TO THE POINT OF BEGINNING.

CONTAINING 62,639 SQUARE FEET OR 1.44 ACRES OF LAND, MORE OR LESS.

END OF DESCRIPTION

EXHIBIT "A"
LEGAL DESCRIPTION
WELL EASEMENT 'B'

ALL THAT REAL PROPERTY SITUATE IN THE CITY OF RIO VISTA, COUNTY OF SOLANO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING A PORTION OF THE NORTHWEST 1/4 OF SECTION 14 TOWNSHIP 4 NORTH, RANGE 2 EAST, MOUNT DIABLO BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID NORTHWEST 1/4 OF SECTION 14 AND ALONG THE SOUTHERLY LINE OF SAID NORTHWEST 1/4 OF SECTION 14 SOUTH 89°54'11" EAST, 178.54 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID SOUTHERLY LINE SOUTH 89°54'11" EAST, 30.00 FEET;

THENCE LEAVING SAID SOUTHERLY LINE NORTH 00°05'49" EAST, 80.95 FEET;

THENCE SOUTH 89°53'58" EAST, 75.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT, WHICH CENTER BEARS NORTH 29°48'06" WEST, HAVING A RADIUS OF 161.50 FEET, THROUGH A CENTRAL ANGLE OF 120°11'46" AND AN ARC LENGTH OF 338.80 FEET;

THENCE NORTH 89°53'58" WEST, 105.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT, WHICH CENTER BEARS SOUTH 30°40'38" EAST, HAVING A RADIUS OF 162.95 FEET, THROUGH A CENTRAL ANGLE OF 118°26'41" AND AN ARC LENGTH OF 336.86 FEET;

THENCE SOUTH 00°05'49" WEST, 80.95 FEET TO THE POINT OF BEGINNING.

CONTAINING 63,687 SQUARE FEET OR 1.46 ACRES OF LAND, MORE OR LESS.

END OF DESCRIPTION

EXHIBIT "A"
LEGAL DESCRIPTION
WELL EASEMENT 'C'

ALL THAT REAL PROPERTY SITUATE IN THE CITY OF RIO VISTA, COUNTY OF SOLANO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING A PORTION OF THE NORTHWEST 1/4 OF SECTION 14, TOWNSHIP 4 NORTH, RANGE 2 EAST, MOUNT DIABLO BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID NORTHWEST 1/4 OF SECTION 14 AND ALONG THE SOUTHERLY LINE OF SAID NORTHWEST 1/4 OF SECTION 14 NORTH 89°54'11" WEST, 120.05 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID SOUTHERLY LINE NORTH 89°54'11" WEST, 30.00 FEET;

THENCE LEAVING SAID SOUTHERLY LINE NORTH 00°05'49" EAST, 683.04 FEET;

THENCE NORTH 89°35'08" WEST, 75.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE RIGHT, WHICH CENTER BEARS NORTH 31°11'31" EAST, HAVING A RADIUS OF 162.95 FEET, THROUGH A CENTRAL ANGLE OF 118°26'41" AND AN ARC LENGTH OF 336.86 FEET;

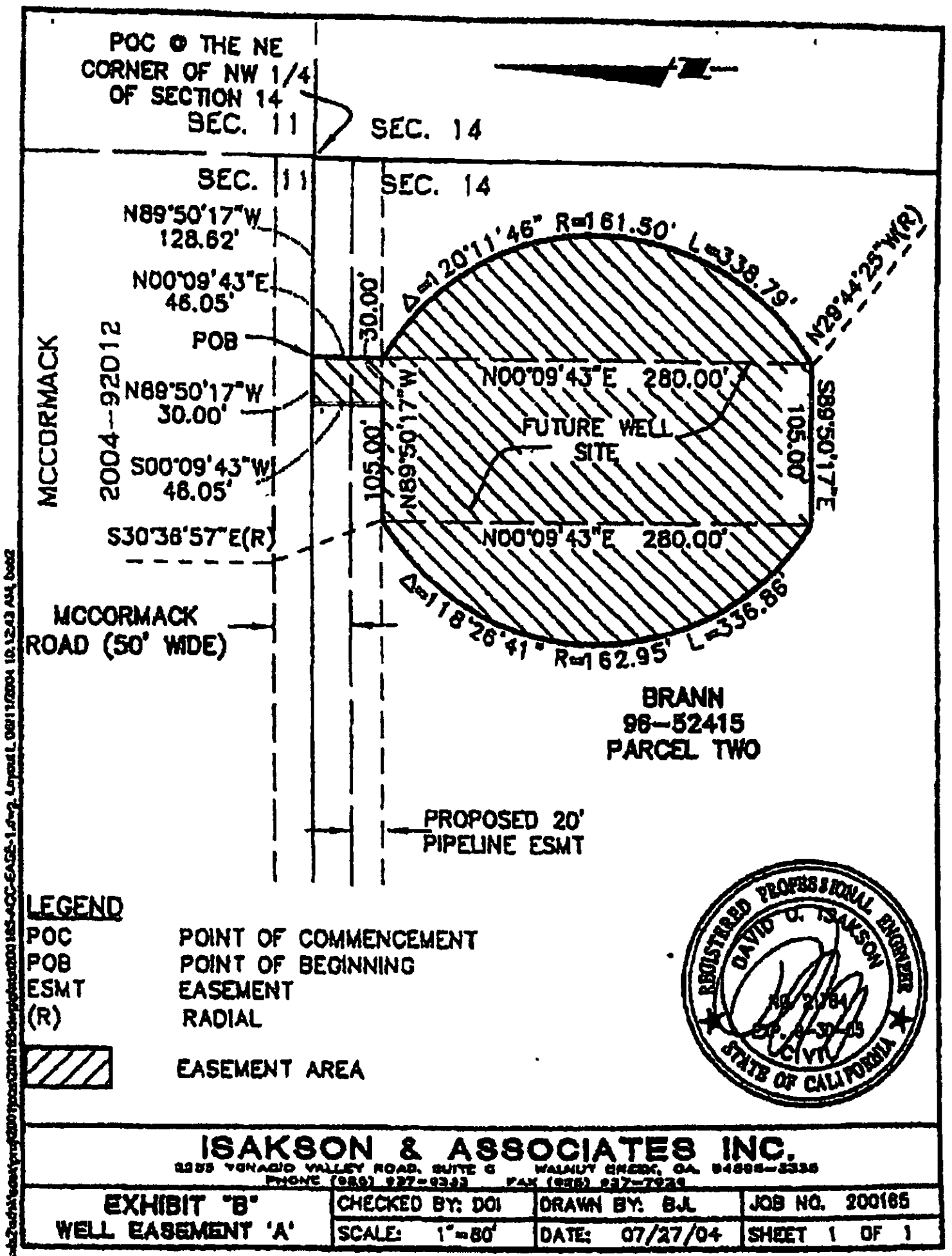
THENCE SOUTH 89°35'08" EAST, 105.00 FEET;

THENCE ALONG THE ARC OF A NON-TANGENT CURVE TO THE RIGHT, WHICH CENTER BEARS SOUTH 30°18'59" WEST, HAVING A RADIUS OF 161.50 FEET, THROUGH A CENTRAL ANGLE OF 120°11'46" AND AN ARC LENGTH OF 338.80 FEET;

THENCE SOUTH 00°05'49" WEST, 683.04 FEET TO THE POINT OF BEGINNING.

CONTAINING 80,772 SQUARE FEET OR 1.85 ACRES OF LAND, MORE OR LESS.

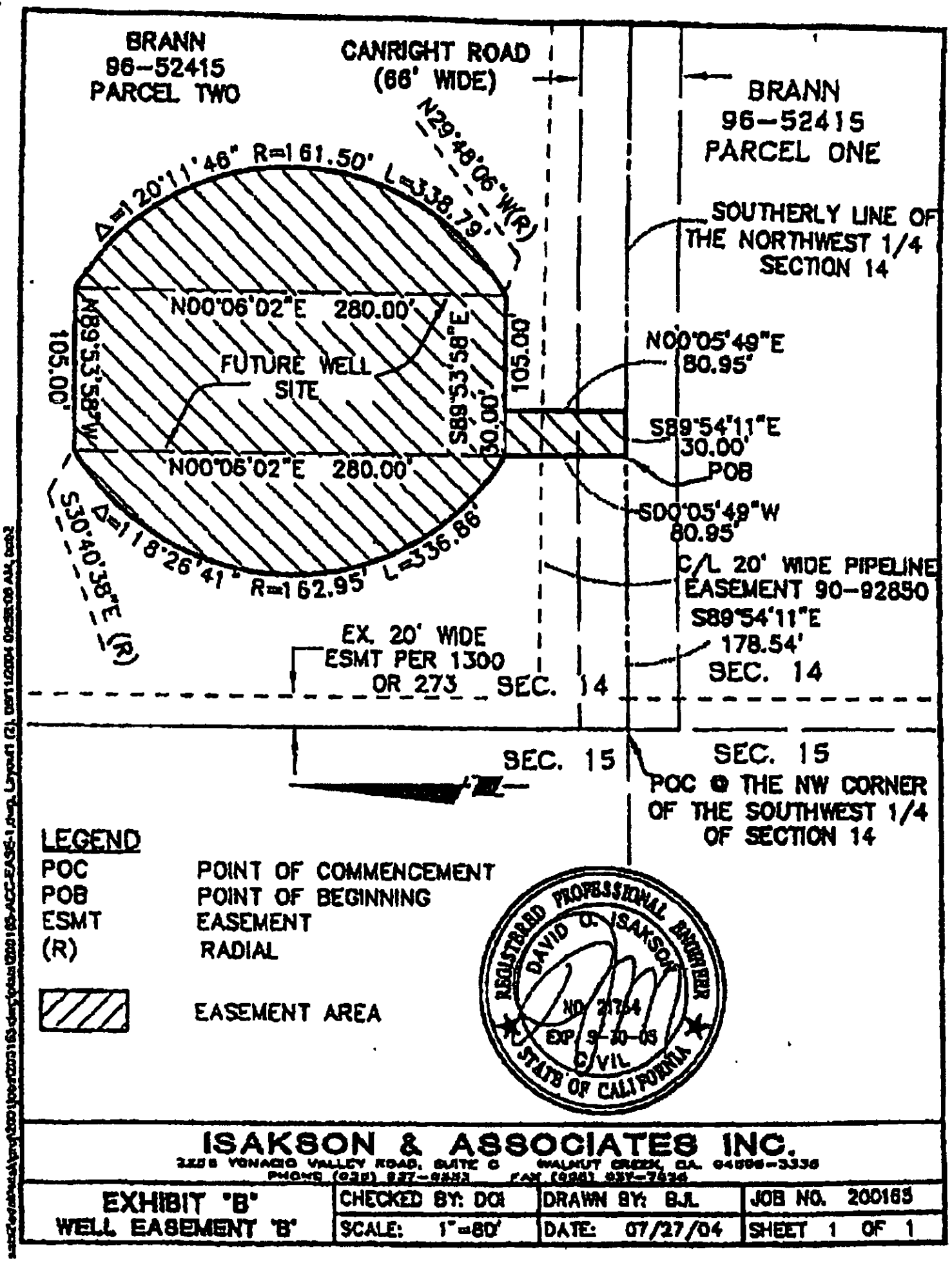
END OF DESCRIPTION



ISAKSON & ASSOCIATES INC.

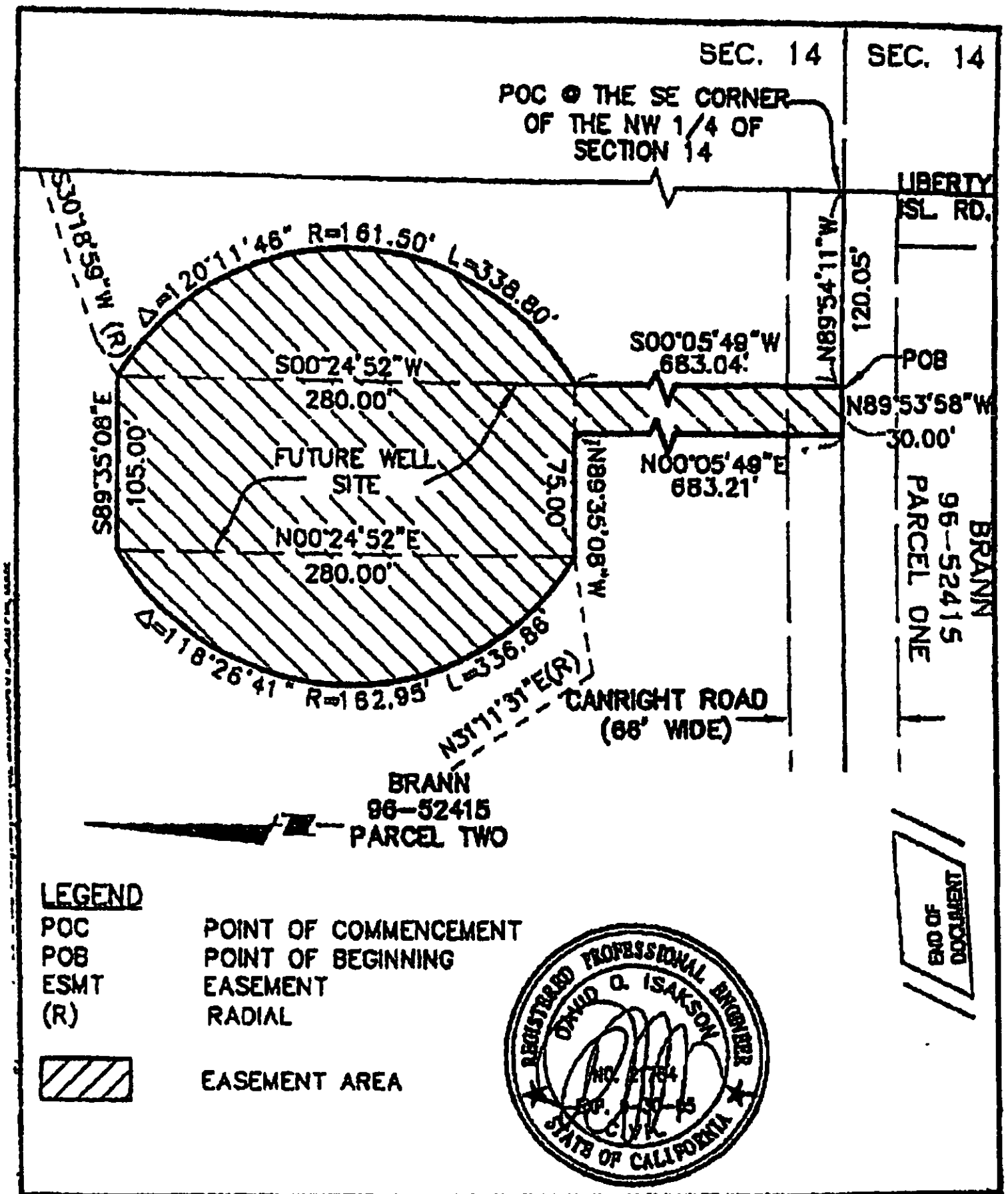
2355 YGNACIO VALLEY ROAD, SUITE G WALNUT CREEK, CA. 94598-3336
PHONE (925) 927-9343 FAX (925) 937-7929

EXHIBIT "B" WELL EASEMENT 'A'	CHECKED BY: DOI	DRAWN BY: BJL	JOB NO. 200165
	SCALE: 1"=80'	DATE: 07/27/04	SHEET 1 OF 1



ISAKSON & ASSOCIATES INC.
2330 YGNACIO VALLEY ROAD, SUITE C WALNUT CREEK, CA. 94598-3336
PHONE (925) 937-9333 FAX (925) 937-7436

EXHIBIT "B" WELL EASEMENT "B"	CHECKED BY: DCI	DRAWN BY: B.J.	JOB NO. 200165
	SCALE: 1"=80'	DATE: 07/27/04	SHEET 1 OF 1



LEGEND

POC	POINT OF COMMENCEMENT
POB	POINT OF BEGINNING
ESMT	EASEMENT
(R)	RADIAL
	EASEMENT AREA

REGISTERED PROFESSIONAL ENGINEER DAVID O. ISAKSON No. 27784 Exp. 6-30-05 CIVIL STATE OF CALIFORNIA

ISAKSON & ASSOCIATES INC.

2330 YGNACIO VALLEY ROAD, SUITE G WALNUT CREEK, CA. 94598-3566
PHONE (925) 937-2333 FAX (925) 937-2928

EXHIBIT "B" WELL EASEMENT 'C'	CHECKED BY: DOI	DRAWN BY: BJL	JOB NO. 200165
	SCALE: 1"=80'	DATE: 08/20/04	SHEET 1 OF 1

END OF DOCUMENT

Brann Ranch

Liberty Island Road

Rio Vista, CA 94571

Inquiry Number: 6378411.3

February 23, 2021

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

02/23/21

Site Name:

Brann Ranch
Liberty Island Road
Rio Vista, CA 94571
EDR Inquiry # 6378411.3

Client Name:

GeoSolve
1807 Santa Rita Road
Pleasanton, CA 94566-0000
Contact: Robert Campbell

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by GeoSolve 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 # F9E8-4B43-A804

PO # 2021-05

Project 2021-05

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 #: F9E8-4B43-A804

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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Brann Ranch
Liberty Island Road
Rio Vista, CA 94571

Inquiry Number: 6378411.6
February 23, 2021

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

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

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

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

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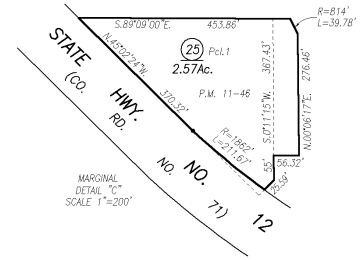
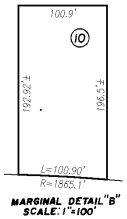
POR. LOT 37, RANCHO DE LOS ULPINOS
POR. T.4N., R.2E., M.D.B.& M. EXT.

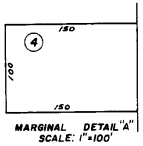
Tax Area Code
4021
84003

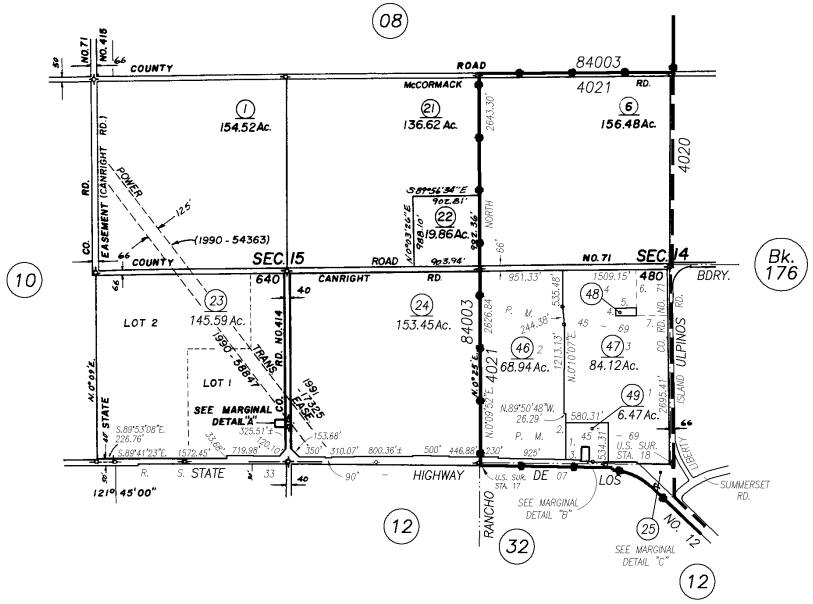
48–11

1" = 1200'









1.	N.0°10'07"E.	499.62'±
2.	N.0°10'07"E.	625.21'±
3.	S.88°59'35"E.	195.00'
4.	S.0°40'11"E.	105.00'
5.	N.89°19'49"E.	280.00'
6.	N.0°05'49"E. (TIE)	736.34'
7.	N.89°53'43"W. (TIE)	427.97'

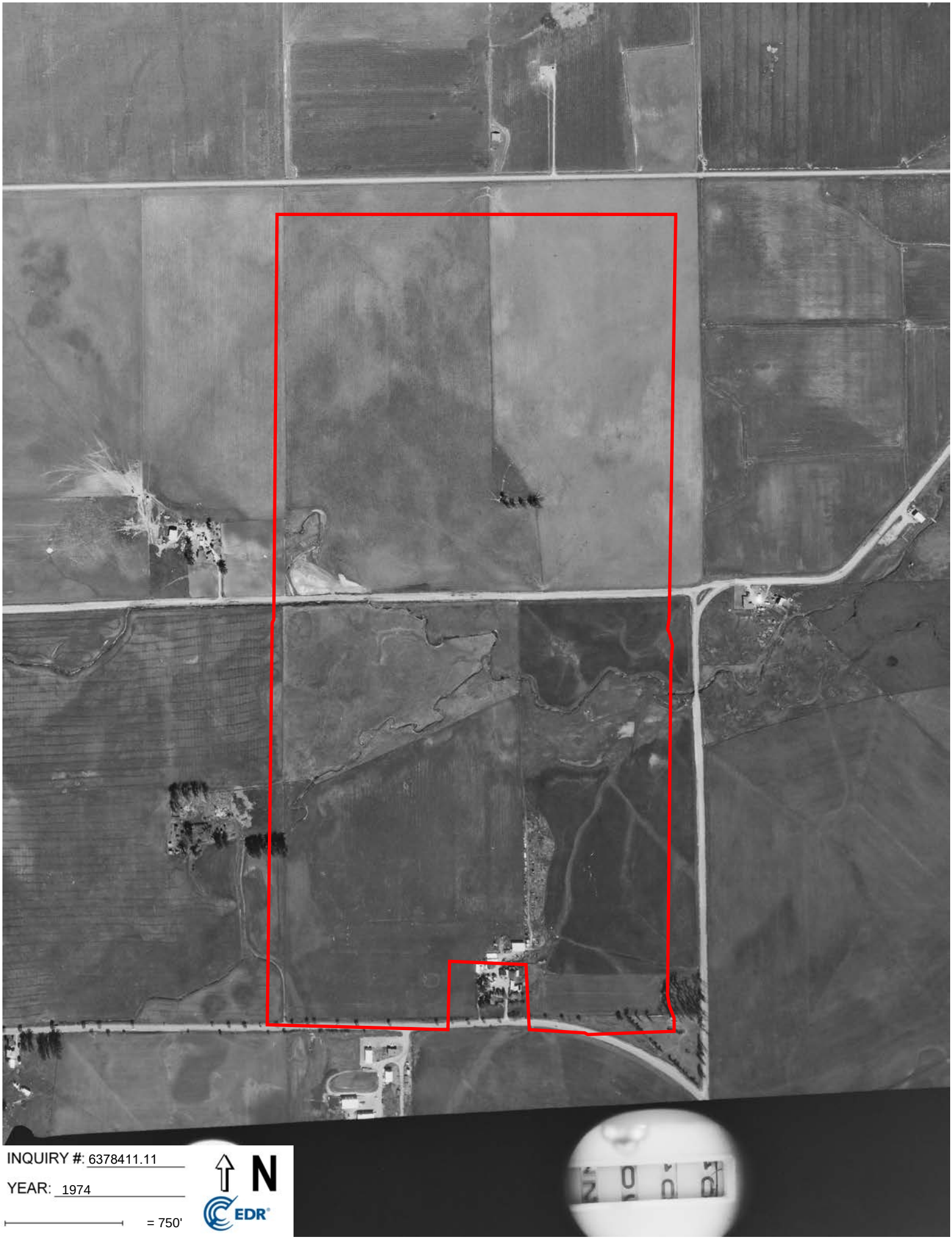
Assessor's Block Numbers Shown in Ellipses, Assessor's Parcel Numbers Shown in Circles

REVISION	DATE	BY
R.S. 33-07	3-8-18	Cr
110-46 Chg.(Dd)	10-15-13	Cr
110-10,49 Chg(Dd)	10-31-12	Cr
110-24 Chg. (Dd)	10-24-12	Cr

NOTE: This map is for assessment purposes only. It is not intended to define legal boundary rights or imply compliance with land division laws.

CITY OF RIO VISTA & VICINITY
Assessor's Map Bk. 48 Pg. 11
County of Solano, Calif.

19–20



INQUIRY #: 6378411.11

YEAR: 1974

= 750'

N

EDR


INQUIRY #: 6378411.11
YEAR: 1972
= 750'
N
EDR



INQUIRY #: 6378411.11

YEAR: 1968

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 6378411.11

YEAR: 1952

= 750'

N

EDR



INQUIRY #: 6378411.11

YEAR: 1937

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

Brann Ranch
Liberty Island Road
Rio Vista, CA 94571

Inquiry Number: 6378411.8
February 23, 2021

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

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

EDR Building Permit Report: Search Documentation

2/23/21

Site Name:
Brann Ranch
Liberty Island Road
Rio Vista, CA 94571

Client Name:
GeoSolve
1807 Santa Rita Road
Pleasanton, CA 94566-0000

EDR Inquiry # 6378411.8

Contact: Robert Campbell

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 2/23/21, EDR does not have access to building permits in the city where your target property is located (Rio Vista, CA).

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

Brann Ranch
Liberty Island Road
Rio Vista, CA 94571

Inquiry Number: 6378411.5
February 24, 2021

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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City Directory Images

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Please contact EDR at 1-800-352-0050
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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

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

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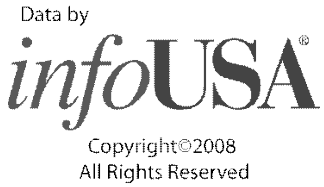

RESEARCH SUMMARY

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

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

FINDINGS

TARGET PROPERTY STREET

Liberty Island Road
Rio Vista, CA 94571

Year	*CD Image*	*Source*
LIBERTY ISL RD		
1995	pg A6	EDR Digital Archive
LIBERTY ISLAND RD		
2017	pg A1	EDR Digital Archive
2014	pg A2	EDR Digital Archive
2010	pg A3	EDR Digital Archive
2005	pg A4	EDR Digital Archive
2000	pg A5	EDR Digital Archive
1995	pg A7	EDR Digital Archive
1992	pg A8	EDR Digital Archive
1986	pg A10	Haines Criss-Cross Directory
1986	pg A9	Haines Criss-Cross Directory
1981	pg A11	Haines Criss-Cross Directory
1977	pg A12	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIBERTY ISLAND RD 2017

3200	JACKSON, DON P
3348	RUIZ, VALERIANO C
3356	ALCANTAR, MARTIN R
3362	MARTINEZ, GENARO E
	PAGE BALDWIN LIVESTOCK
3468	DORN, DEBBIE K
3570	VASQUEZ, MAURILIO
4173	RIVAS, RUBEN M
4194	MOGA, STANLEY
4196	CONTRERAS, ANTONIO A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIBERTY ISLAND RD 2014

3053	J C GENERAL ENGINEERING INC
3200	JACKSON, DON P
3348	RUIZ, VALERIANO C
3356	RUIZ, MARIE G
3362	PAGE BALDWIN LIVESTOCK
	SALAS, GREGORIO
3458	SILVA, MACARIO A
3468	FORSSTROM, GAY A
3520	RUIZ, VALERIANO
3555	BOWERS, CHARLES K
3560	CRONIN, MOLLIE D
3570	VASQUEZ, MAURILIO
3573	VASQUEZ, MAURELIO
3575	VASQUEZ, AURELIO
4165	ARELLANO, JOSE M
4173	ARELLANO, JOSE L
4196	CONTRERAS, ANTONIO A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIBERTY ISLAND RD 2010

3200	AYERS, JAMES R
3348	RUIZ, VALERIANO C
3352	OCCUPANT UNKNOWN,
3356	OCCUPANT UNKNOWN,
3362	MARTINEZ, JANARO
	PAGE BALDWIN LIVESTOCK
3368	OCCUPANT UNKNOWN,
3458	SIEGEL, MICHAEL G
3468	FORSSTROM, GAY A
3520	RUIZ, VALERIANO
3555	LAURES, VIRGINIA
3560	OCCUPANT UNKNOWN,
3570	VAZQUEZ, MAURILIO
3573	VASQUEZ, MAURELIO
3575	VASQUEZ, AURELIO
4165	ARELLANO, JESUS D
4173	OCCUPANT UNKNOWN,
4196	OCCUPANT UNKNOWN,
4201	LAW, LADON

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIBERTY ISLAND RD 2005

3200	AYERS, JAMES R
3348	BALDWIN, PAGE
3356	OCCUPANT UNKNOWN,
3362	BALDWIN FARMS
	SALAS, GREGORIO
3446	KRAMER, WILLIAM E
3458	SIEGEL, MICHAEL G
3468	FORSSTROM, CAROL M
3520	RUIZ, VALERIANO
3555	ARELLANO, JOSE L
3560	CRONIN, MOLLIE
3570	VASQUEZ, M
3573	OCCUPANT UNKNOWN,
4165	ARELLANO, JESUS
4173	RIVAS, DENISE
4196	OCCUPANT UNKNOWN,
4201	LAW, LADON

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIBERTY ISLAND RD 2000

3053	J C GENERAL ENGINEERING INCORPORATED
3200	KILKENNY, AYERS M
3348	BALDWIN, PAGE
3352	OCCUPANT UNKNOWN,
3362	BALDWIN FARMS
3458	OCCUPANT UNKNOWN,
3468	LACY, CRAIG
3555	ARELLANO, JOSE L
3573	OCCUPANT UNKNOWN,
4161	OCCUPANT UNKNOWN,
4165	ARELLANO, JESUS
4177	RUIZ, VALERIA
4191	OCCUPANT UNKNOWN,
4194	VELASQUEZ, R
4196	HERNANDEZ, MARIA G
4201	LAW, LADON
	MAROTZ, LELAND A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIBERTY ISL RD 1995

3200	HALBROOK, C W
3348	BALDWIN, PAGE
3352	RUIZ, CRUZ
3356	OCCUPANT UNKNOWNN
3362	BIAGI, G
3458	DONOGHUE, PAMELA A
3555	ARELLANO, JOSE L
3573	MUNGARAY, G
4161	SENNETT, RANDY
4173	OCCUPANT UNKNOWNN
4177	RUIZ, V
4191	RAMIREZ, G
4196	HERNANDEZ, MARIA G
4201	LAW, LADON
	MAROTZ, LELAND A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIBERTY ISLAND RD 1995

3053 J C GENERAL ENGINEERING INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIBERTY ISLAND RD 1992

3053 J C GENERAL ENGRG
PRODUCTION POWER
3200 HALBROOK, C W
3348 BALDWIN, PAGE
3352 RUIZ, CRUZ
3362 A G ACCOUNTING SRVS
BIAGI G FARMS
3555 ARELLANO, JOSE L
3573 MUNGARAY, G
4173 VAZQUEZ, J M
4177 RUIZ, V
4191 RAMIREZ, G
4196 HERNANDEZ, MARIA G
4201 LAW, LADON
MAROTZ, LELAND A

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

LIBERTY ISLAND RD 1986

LIBERTY ISLD RD 94571
RIO VISTA

729	RUIZ M G	374-5648	5
733	XXXX	00	
801	FORSSTROM GAY	374-2247	1
3053	MESSENGER BILL	374-6161	5
	NATURAL GAS ENGINE	374-5851	5
	STRATELINE INC	374-6110	+6
3200	HALBROOK C W	374-5209	4
	HALBROOK PILE DRVNG	374-5209	

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

LIBERTY ISLAND RD 1986

..LIBERTY ISLD RD		94571 CONT..	
3344	MANDUJANO DOMINGO	374-5095	4
3348	BALDWIN PAGE	374-2846	
3352	RUIZ CRUZ	374-2908	+6
3356	XXXX	00	
3362	A G ACCOUNTING SRVS	374-6913	6
	ALVERA PAOLO FARMS	374-2264	6
	BIAGI G FARMS	374-6401	4
	PAOLO ALVERA FARMS	374-2264	6
3555	GRANILLO JOSE A	374-5317	4
3560	ARELLANO JOSE L	374-2165	6
3577	CLARA DABED ANTONIO	374-5480	5
3727	DAVIS DONN	374-6175	5
4091	RIOS CONSTANOIO	374-8812	4
4161	ATKINSON A	374-6766	+6
4173	OLDFORD DANIEL	374-5737	6
4177	RUIZ VALERIANO	374-6369	6
4191	RAMIREZ GUADALUPE	374-5376	3
4196	HERNANDEZ MARIA G	374-2604	6
4201	MAROTZ LELAND A	374-2404	+6
NO #	A&J SQUARED RANCH	374-2902	9
★	9 BUS 19 RES	4 NEW	

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

LIBERTY ISLAND RD 1981

LIBERTY ISLD RD 94571
RIO VISTA

401	HALBROOK C W	374-5209	
	HALBROOK PILE DRIVG	**374-5209**	
701	ABRIL ANGEL	374-6731	9
	BALDWIN PAGE	374-2846	
	COOK PETER RANCH	**374-6401**	
729	RUIZ M G	374-5648	9
801	FORSSTROM GAY	374-2247	+1
803	GAY SETH	374-5646	7
900	GRANILLO JOSE A	374-5317	
1000	XXXX	00	
1150	RIOS CONSTANCIO	374-5812	+1
1200	SANCHEZ THEODORE	374-5319	6
1210	ZEPEDA JESUS	374-5537	7
1230	SANCHEZ MARION	374-2276	
	SANCHEZ THOMAS	374-2094	7
1259	RAMIREZ GUADALUPE	374-5376	8
1260	ARELLANO JOSE L	374-2165	0
	ZEPEDA ALBERT	374-2562	9
1270	ARELLANO E	374-5674	+1
	SANCHEZ MARION FRMS	**374-2674**	
1279	XXXX	00	
1501	XXXX	00	
1503	PEREZ RENE	374-2005	+1
1600	WOODY GILBERT	374-2404	
NO #	**A J SQUARED**	**374-2902**	9
NO #	**BC SERVICES INC**	**374-5744**	8
NO #	MENDOZA ABRAHAM	374-5997	+1

★ 5 BUS 22 RES 5 NEW

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

LIBERTY ISLAND RD 1977

LIBERIY ISLAND RD 94571 RIO VISTA

401	HALBROOK C W	374-5209
	*HALBROOK PILE DRIVG	374-5209
	ULTIS CHARLES F	374-2883
701	BALDWIN PAGE	374-2846
	*COOK PETER RANCH	374-6401
711	RUIZ M G	374-5648+7
729	HIROTSU HERBERT	374-5597
735	ROPER BUD	374-5437 6
801	BOATMAN LEONARD	374-6604
803	GAY SETH	374-5646+7
900	GRANILLO JOSE A	374-5317
1000	XXXX	OO
1200	SANCHEZ THEODORE	374-5319 6
1210	ZEPEDA JESUS	374-5537+7
1230	SANCHEZ MARION	374-2276
	SANCHEZ THOMAS	374-2094+7
1238	SALMERON SOTERO	374-2449
1258	GARZA RENATO	374-2436+7
1260	ZEPEDA ALBERT	374-2562
1270	FRANKLIN MARIA S	374-5416
	*SANCHEZ MARION FRMS	374-2674
1279	EARLS APRIL	374-2795+7
1501	VILLEGAS WILLIAM M	374-2749
1600	WOODY GILBERT	374-2404
	* 3 BUS 21 RES 6 NEW	

EDR RADIUS MAP WITH GEOCHECK

Brann Ranch
Liberty Island Road
Rio Vista, CA 94571

Inquiry Number: 6378411.2s
February 23, 2021

The EDR Radius Map™ Report with GeoCheck®

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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

LIBERTY ISLAND ROAD
RIO VISTA, CA 94571

COORDINATES

Latitude (North):	38.1907460 - 38° 11' 26.68''
Longitude (West):	121.7279190 - 121° 43' 40.50''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	611400.4
UTM Y (Meters):	4227537.5
Elevation:	32 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5619744 RIO VISTA, CA
Version Date:	2012
West Map:	5619682 BIRDS LANDING, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140606
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
LIBERTY ISLAND ROAD
RIO VISTA, CA 94571

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TOTAL COMPRESSION IN	3054 LIBERTY ISLAND	UST, SWEEPS UST	Higher	40, 0.008, SSE
A2	COUGHRAN MECHANICAL	3053 LIBERTY ISLE RD	RCRA-SQG, FINDS, ECHO, HAZNET, CERS, HWTS	Higher	40, 0.008, SSE
B3	BRANN RANCH	7983 STATE HIGHWAY 1	LUST	Higher	102, 0.019, South
C4	COUGHRAN MECHANICAL	3053 LIBERTY ISLAND	UST	Higher	152, 0.029, SSE
C5	COUGHRAN MECHANICAL	3053 LIBERTY ISLAND	CERS HAZ WASTE, EMI, CERS	Higher	152, 0.029, SSE
A6	COUGHRAN	3052 LIBERTY ISLAND	SWEEPS UST	Higher	181, 0.034, SSE
D7	PACIFIC GAS & ELECTR	3059 CATTEY LN	RCRA NonGen / NLR	Higher	218, 0.041, SSW
D8	PACIFIC GAS & ELECTR	3059 CATTEY LANE	RCRA NonGen / NLR	Higher	218, 0.041, SSW
B9	BRANN BROS RANCH	7989 STATE HIGHWAY 1	UST	Higher	252, 0.048, South
B10	BRANN BROS RANCH	7989 STATE HWY 12	SWEEPS UST	Higher	252, 0.048, South
B11	BRANN BROS RANCH	7989 STATE HWY 12	HIST UST	Higher	252, 0.048, South
D12	WILLIAMS MOBILE SERV	3047 CATTEY LN	CERS HAZ WASTE, CERS	Higher	410, 0.078, SSW
D13	WILLIAMS MOBILE SERV	3047 CATTEY LN	RCRA NonGen / NLR	Higher	410, 0.078, SSW
E14	B&L EQUIPMENT RENTAL	3041 CATTEY LN	RCRA NonGen / NLR	Higher	495, 0.094, SSW
15	UNIVERSAL INDUSTRIAL	HIWAY 12 & LIBERTY I	RCRA NonGen / NLR	Higher	556, 0.105, SSE
F16	B-C SERV INC	HWY 12- LIBERTY ISLA	RCRA NonGen / NLR	Higher	619, 0.117, SSE
F17	PRODUCTION POWER INC	HWY12 & LIBERTY ISLA	RCRA NonGen / NLR, HAZNET, HWTS	Higher	619, 0.117, SSE
E18	TRANSFORMER TESTING	3035 CATTEY LN	AST	Higher	619, 0.117, SSW
E19	RESA POWER SOLUTIONS	3035 CATTEY LN	CERS HAZ WASTE, CERS	Higher	619, 0.117, SSW
G20	HWS 2-11	LIBERTY ISLAND RD	AST	Lower	1148, 0.217, East
G21	HWS 4-12	LIBERTY ISLAND RD	AST	Lower	1148, 0.217, East
G22	HWS 3-12	LIBERTY ISLAND RD	AST	Lower	1148, 0.217, East
23	MCGRAUGH RANCH ELEME	MCCORMACK ROAD	ENVIROSTOR, SCH	Higher	2731, 0.517, NNW
24	PG&E SERPA JUNCTION	1.5 MILES NORTHWEST	ENVIROSTOR	Higher	3813, 0.722, South

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

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

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

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

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

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites ..... Historical Calsites Database
SCH ..... School Property Evaluation Program

CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

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

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

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

EXECUTIVE SUMMARY

US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
FINDS ---- Facility Index System/Facility Registry System
ECHO ---- Enforcement & Compliance History Information
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
Cortese ---- "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings ---- CUPA Resources List
DRYCLEANERS ---- Cleaner Facilities
EMI ---- Emissions Inventory Data
ENF ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing
HAZNET ---- Facility and Manifest Data
ICE ---- ICE
HIST CORTESE ---- Hazardous Waste & Substance Site List
HWP ---- EnviroStor Permitted Facilities Listing
HWT ---- Registered Hazardous Waste Transporter Database
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
NPDES ---- NPDES Permits Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
Notify 65 ---- Proposition 65 Records
UIC ---- UIC Listing
UIC GEO ---- UIC GEO (GEOTRACKER)
WASTEWATER PITS ---- Oil Wastewater Pits Listing
WDS ---- Waste Discharge System
WIP ---- Well Investigation Program Case List
MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
PROJECT ---- PROJECT (GEOTRACKER)
WDR ---- Waste Discharge Requirements Listing
CIWQS ---- California Integrated Water Quality System
CERS ---- CERS
NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)
MINES MRDS ---- Mineral Resources Data System
HWTS ---- Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---- Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

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

A review of the RCRA-SQG list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COUGHRAN MECHANICAL EPA ID:: CAD983596636	***3053 LIBERTY ISLE RD***	***SSE 0 - 1/8 (0.008 mi.)***	***A2***	***9***

State- and tribal - equivalent CERCLIS

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 10/26/2020 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MCGRAUGH RANCH ELEME	***MCCORMACK ROAD***	***NNW 1/2 - 1 (0.517 mi.)***	***23***	***107***

Facility Id: 60000634
Status: Inactive - Needs Evaluation

PG&E SERPA JUNCTION	1.5 MILES NORTHWEST	S 1/2 - 1 (0.722 mi.)	24	110
Facility Id: 48490008				
Status: Refer: RWQCB				

State and tribal leaking storage tank lists

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRANN RANCH	7983 STATE HIGHWAY 1	S 0 - 1/8 (0.019 mi.)	B3	66
Database: SOLANO CO. LUST, Date of Government Version: 06/04/2019				
Facility Id: 700314				
Facility Status: I				

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOTAL COMPRESSION IN	***3054 LIBERTY ISLAND***	***SSE 0 - 1/8 (0.008 mi.)***	***A1***	***9***
Database: SOLANO CO. UST, Date of Government Version: 12/03/2020				
Facility Id: 70349				
Facility Status: I				
COUGHRAN MECHANICAL	3053 LIBERTY ISLAND	SSE 0 - 1/8 (0.029 mi.)	C4	67
Database: SOLANO CO. UST, Date of Government Version: 12/03/2020				
Facility Id: 70042				
Facility Status: I				
BRANN BROS RANCH	7989 STATE HIGHWAY 1	S 0 - 1/8 (0.048 mi.)	B9	78
Database: SOLANO CO. UST, Date of Government Version: 12/03/2020				
Facility Id: 80271				
Facility Status: I				

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRANSFORMER TESTING Database: AST, Date of Government Version: 07/06/2016	3035 CATTEY LN	SSW 0 - 1/8 (0.117 mi.)	E18	100

Lower Elevation	Address	Direction / Distance	Map ID	Page
HWS 2-11 Database: AST, Date of Government Version: 07/06/2016	LIBERTY ISLAND RD	E 1/8 - 1/4 (0.217 mi.)	G20	105
HWS 4-12 Database: AST, Date of Government Version: 07/06/2016	LIBERTY ISLAND RD	E 1/8 - 1/4 (0.217 mi.)	G21	106
HWS 3-12 Database: AST, Date of Government Version: 07/06/2016	LIBERTY ISLAND RD	E 1/8 - 1/4 (0.217 mi.)	G22	106

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/19/2020 has revealed that there are 3 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COUGHRAN MECHANICAL	***3053 LIBERTY ISLAND***	***SSE 0 - 1/8 (0.029 mi.)***	***C5***	***67***
WILLIAMS MOBILE SERV	***3047 CATTEY LN***	***SSW 0 - 1/8 (0.078 mi.)***	***D12***	***80***
RESA POWER SOLUTIONS	***3035 CATTEY LN***	***SSW 0 - 1/8 (0.117 mi.)***	***E19***	***101***

Local Lists of Registered Storage Tanks

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOTAL COMPRESSION IN Comp Number: 70349	***3054 LIBERTY ISLAND***	***SSE 0 - 1/8 (0.008 mi.)***	***A1***	***9***
COUGHRAN	3052 LIBERTY ISLAND	SSE 0 - 1/8 (0.034 mi.)	A6	72

Comp Number: 70042				
BRANN BROS RANCH Status: A Tank Status: A Comp Number: 80271	7989 STATE HWY 12	S 0 - 1/8 (0.048 mi.)	B10	78

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRANN BROS RANCH Facility Id: 00000053422	7989 STATE HWY 12	S 0 - 1/8 (0.048 mi.)	B11	79

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/14/2020 has revealed that there are 7 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

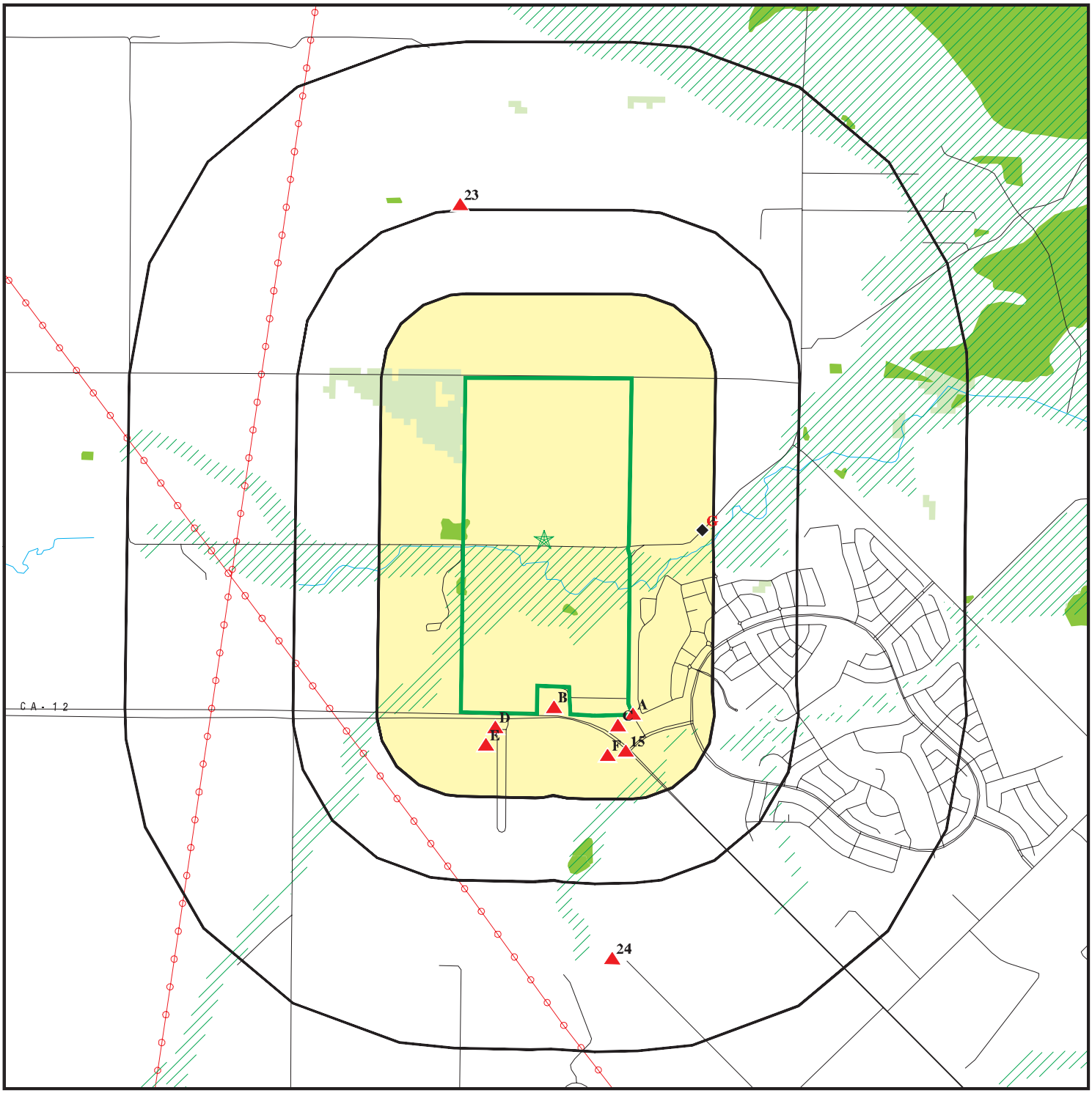
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC GAS & ELECTR EPA ID:: CAC002987427	3059 CATTEY LN	SSW 0 - 1/8 (0.041 mi.)	D7	73
PACIFIC GAS & ELECTR EPA ID:: CAC003008455	3059 CATTEY LANE	SSW 0 - 1/8 (0.041 mi.)	D8	75
WILLIAMS MOBILE SERV EPA ID:: CAL000367334	3047 CATTEY LN	SSW 0 - 1/8 (0.078 mi.)	D13	83
B&L EQUIPMENT RENTAL EPA ID:: CAL000447192	3041 CATTEY LN	SSW 0 - 1/8 (0.094 mi.)	E14	85
UNIVERSAL INDUSTRIAL EPA ID:: CAT080031453	HIWAY 12 & LIBERTY I	SSE 0 - 1/8 (0.105 mi.)	15	88
B-C SERV INC EPA ID:: CAD000389973	HWY 12- LIBERTY ISLA	SSE 0 - 1/8 (0.117 mi.)	F16	90
PRODUCTION POWER INC EPA ID:: CAD981669609	***HWY12 & LIBERTY ISLA***	***SSE 0 - 1/8 (0.117 mi.)***	***F17***	***93***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
GIBBS RANCH MODEL DEMOLITION	NPDES
TRILOGY - SHEA HOMES - SLIC	LUST

OVERVIEW MAP - 6378411.2S



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

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

N

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

SITE NAME:	Brann Ranch	CLIENT:	GeoSolve
ADDRESS:	Liberty Island Road Rio Vista CA 94571	CONTACT:	Robert Campbell
		INQUIRY #:	6378411.2s
LAT/LONG:	38.190746 / 121.727919	DATE:	February 23, 2021 3:27 pm

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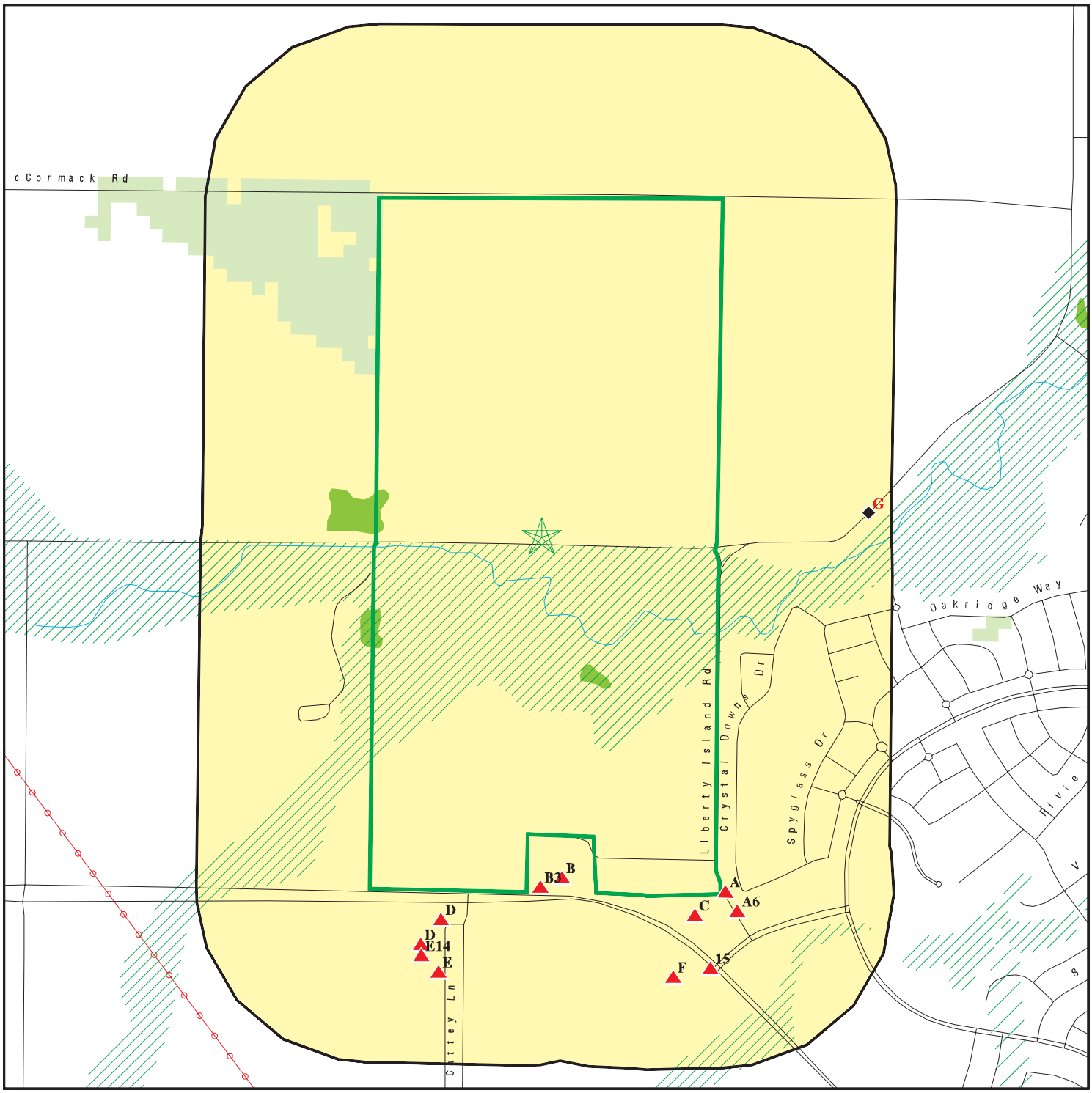
DETAIL MAP - 6378411.2S



0 1/8 1/4 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
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

SITE NAME:	Brann Ranch	CLIENT:	GeoSolve
ADDRESS:	Liberty Island Road Rio Vista CA 94571	CONTACT:	Robert Campbell
		INQUIRY #:	6378411.2s
LAT/LONG:	38.190746 / 121.727919	DATE:	February 23, 2021 3:28 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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
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
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	2	NR	2
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	0	0	NR	NR	1

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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	0	NR	NR	NR	3
AST	0.250		1	3	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		3	0	NR	NR	NR	3
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		3	0	NR	NR	NR	3
HIST UST	0.250		1	0	NR	NR	NR	1
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		7	0	NR	NR	NR	7
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

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
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
HAZNET	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
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
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	20	3	0	2	0	25

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **TOTAL COMPRESSION INC.** **UST** **U003113113**
SSE **3054 LIBERTY ISLAND RD** **SWEEPS UST** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.008 mi.
40 ft. **Site 1 of 3 in cluster A**

Relative:
Higher

Actual:
50 ft.

SOLANO CO. UST:

Name:	TOTAL COMPRESSION INC.
Address:	3054 LIBERTY ISLAND RD
City,State,Zip:	RIO VISTA, CA 94571
Facility Id:	70349
Facility Status:	Inactive
Decode for Facility Status:	Closed
Facility Phone:	Not reported
Inventory Number:	1
Inventory Type:	Underground Storage Tank (1)
Inventory Description:	Not reported
Permit Expire/Last Service:	Not reported
Last Service Date:	Not reported
District:	SUP-DIST NO 3038
Inspector:	Osier, Courtney A

SWEEPS UST:

Name:	TOTAL COMPRESSION INC.
Address:	3054 LIBERTY ISLAND RD
City:	RIO VISTA
Status:	Not reported
Comp Number:	70349
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	48-000-070349-000001
Tank Status:	Not reported
Capacity:	1
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	1

A2 **COUGHRAN MECHANICAL SERVICES** **RCRA-SQG** **1000595711**
SSE **3053 LIBERTY ISLE RD** **FINDS** **CAD983596636**
< 1/8 **RIO VISTA, CA 94571** **ECHO**
0.008 mi. **HAZNET**
40 ft. **Site 2 of 3 in cluster A** **CERS**
HWTS

Relative:
Higher

Actual:
50 ft.

RCRA-SQG:

Date Form Received by Agency:	1991-07-25 00:00:00.0
Handler Name:	COUGHRAN MECHANICAL SERVICES
Handler Address:	3053 LIBERTY ISLE RD
Handler City,State,Zip:	RIO VISTA, CA 94571
EPA ID:	CAD983596636
Contact Name:	JASON DEVLIN
Contact Address:	3053 LIBERTY ISLE RD

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Contact City,State,Zip:	RIO VISTA, CA 94571
Contact Telephone:	707-374-2100
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4R
Mailing Address:	P O BOX 566
Mailing City,State,Zip:	RIO VISTA, CA 94571
Owner Name:	JACK COUGHRAN
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:35:29.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JACK COUGHRAN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1991-07-25 00:00:00.0
Handler Name:	COUGHRAN MECHANICAL SERVICES
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002854224

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000595711
Registry ID: 110002854224
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002854224
Name: COUGHRAN MECHANICAL SERVICES
Address: 3053 LIBERTY ISLE RD
City,State,Zip: RIO VISTA, CA 94571

HAZNET:
Name: COUGHRAN MECHANICAL SERVICES
Address: 3053 LIBERTY ISLE RD
Address 2: Not reported
City,State,Zip: RIO VISTA, CA 945710158
Contact: LENESE COUGHRAN
Telephone: 7073742100
Mailing Name: Not reported
Mailing Address: PO BOX 158

Year: 2019
Gepaid: CAD983596636
TSD EPA ID: AZR000515924

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.52500

Year: 2018
Gepaid: CAD983596636
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.90000

Year: 2018
Gepaid: CAD983596636
TSD EPA ID: AZR000515924
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.37400

Year: 2018
Gepaid: CAD983596636
TSD EPA ID: AZR000515924
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.96250

Year: 2017
Gepaid: CAD983596636
TSD EPA ID: AZR000515924
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.7085

Year: 2016
Gepaid: CAD983596636
TSD EPA ID: AZR000515924
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.525

Year: 2015
Gepaid: CAD983596636
TSD EPA ID: NVT330010000
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1

Year: 2015
Gepaid: CAD983596636
TSD EPA ID: AZR000515924
CA Waste Code: 223 - Unspecified oil-containing waste

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1
Year:	2014
Gepaid:	CAD983596636
TSD EPA ID:	NVT330010000
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.75
Year:	2013
Gepaid:	CAD983596636
TSD EPA ID:	CAD980884183
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.75

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

Additional Info:

Year:	1996
Gen EPA ID:	CAD983596636
Shipment Date:	19960606
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960606
Manifest ID:	96236611
Trans EPA ID:	CAD980695761
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD983596636

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Shipment Date:	20150903
Creation Date:	2/26/2016 22:15:15
Receipt Date:	20150911
Manifest ID:	014520432JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150424
Creation Date:	11/6/2015 22:15:07
Receipt Date:	20150505
Manifest ID:	013452985JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD983596636

Shipment Date:	20071217
Creation Date:	5/21/2008 18:30:15
Receipt Date:	20071227

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Manifest ID:	000720781SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071121
Creation Date:	4/22/2008 18:30:43
Receipt Date:	20071203
Manifest ID:	000721083SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071121
Creation Date:	4/22/2008 18:30:43
Receipt Date:	20071203
Manifest ID:	000721083SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071121
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071128
Manifest ID:	000681795SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070926
Creation Date:	3/18/2008 18:30:12
Receipt Date:	20071009
Manifest ID:	000639235SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070916
Creation Date:	3/11/2008 18:30:23
Receipt Date:	20071004
Manifest ID:	000630894SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070916
Creation Date:	3/11/2008 18:30:23
Receipt Date:	20071004
Manifest ID:	000630894SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070907

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Creation Date:	3/4/2008 18:30:55
Receipt Date:	20070917
Manifest ID:	000606303SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070703
Creation Date:	2/5/2008 18:30:06
Receipt Date:	20070717
Manifest ID:	000060994SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070703
Creation Date:	2/5/2008 18:30:06
Receipt Date:	20070717
Manifest ID:	000060994SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	NVT330010000

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans Name: US ECOLOGY NEVADA
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.525
Waste Quantity: 1050
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2011
Gen EPA ID: CAD983596636

Shipment Date: 20111208
Creation Date: 3/12/2012 20:30:14
Receipt Date: 20111208
Manifest ID: 008484466JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080012602
Trans Name: DK DIXON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.5004
Waste Quantity: 120
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20111205
Creation Date: 4/19/2012 20:30:10
Receipt Date: 20111213
Manifest ID: 008484465JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID: CAR000179382
Trans 2 Name: ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111014
Creation Date:	12/27/2011 18:30:38
Receipt Date:	20111014
Manifest ID:	008483894JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	DK DIXON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5838
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111013
Creation Date:	3/23/2012 20:30:11
Receipt Date:	20111025
Manifest ID:	008483893JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110817
Creation Date:	2/11/2012 20:30:14
Receipt Date:	20110826
Manifest ID:	008483184JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110817
Creation Date:	11/20/2012 22:15:16
Receipt Date:	20110830
Manifest ID:	008481651JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.475
Waste Quantity:	950
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20110715

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Creation Date:	9/1/2011 18:31:36
Receipt Date:	20110718
Manifest ID:	007884456JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446874
Trans Name:	EVERGREEN OIL INC DAVIS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110715
Creation Date:	12/20/2011 18:30:15
Receipt Date:	20110726
Manifest ID:	008481578JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110609
Creation Date:	11/15/2012 22:16:03
Receipt Date:	20110621
Manifest ID:	008482804JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF EPA ID: ARD981057870
Trans Name: RINECO CHEMICAL INDUSTRIES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H111 - Stabilization Or Chemical Fixation Prior To Disposal At Another Site
Quantity Tons: 0.35
Waste Quantity: 700
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110609
Creation Date: 7/23/2011 18:30:39
Receipt Date: 20110614
Manifest ID: 008482805JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982446874
Trans Name: EVERGREEN OIL INC DAVIS
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.9174
Waste Quantity: 220
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2000
Gen EPA ID: CAD983596636

Shipment Date: 20001026
Creation Date: 1/9/2001 0:00:00
Receipt Date: 20001031
Manifest ID: 20599884
Trans EPA ID: CAD044003556
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD983596636
Shipment Date:	20030919
Creation Date:	8/3/2004 15:00:31
Receipt Date:	20030923
Manifest ID:	22756465
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030709
Creation Date:	7/26/2004 18:31:36
Receipt Date:	20030715
Manifest ID:	22533401
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.35

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030425
Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030430
Manifest ID:	22623026
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030214
Creation Date:	3/16/2007 18:30:41
Receipt Date:	20030218
Manifest ID:	22065283
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Info:

Year:	2008
Gen EPA ID:	CAD983596636
Shipment Date:	20081105
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081114
Manifest ID:	001006471SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081001
Creation Date:	2/20/2009 18:30:08
Receipt Date:	20081010
Manifest ID:	001206378SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080916
Creation Date:	1/28/2009 18:30:25
Receipt Date:	20080924
Manifest ID:	001526219SKS

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080916
Creation Date:	1/28/2009 18:30:18
Receipt Date:	20080922
Manifest ID:	001526220SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080916
Creation Date:	1/28/2009 18:30:18
Receipt Date:	20080922
Manifest ID:	001022332SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080820
Creation Date:	12/30/2008 18:30:27
Receipt Date:	20080827
Manifest ID:	001006472SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.05
Waste Quantity:	2100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080710
Creation Date:	11/14/2008 18:30:08
Receipt Date:	20080718
Manifest ID:	001277041SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	2.1
Waste Quantity:	4200
Quantity Unit:	P
Additional Code 1:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080710
Creation Date:	11/14/2008 18:30:08
Receipt Date:	20080718
Manifest ID:	001277041SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080415
Creation Date:	9/12/2008 18:30:16
Receipt Date:	20080423
Manifest ID:	001063152SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.05
Waste Quantity:	2100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080221
Creation Date:	7/22/2008 18:30:30
Receipt Date:	20080227

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Manifest ID:	000630892SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD983596636
Shipment Date:	20051202
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051207
Manifest ID:	24778257
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050831
Creation Date:	4/13/2006 18:47:49
Receipt Date:	20050906
Manifest ID:	24883397
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM - RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	Not reported
Waste Quantity:	850
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050614
Creation Date:	10/13/2005 18:31:00
Receipt Date:	20050622
Manifest ID:	24317394
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050513
Creation Date:	8/17/2005 18:32:59
Receipt Date:	20050518
Manifest ID:	23544095
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.25

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050502
Creation Date:	7/27/2005 10:48:47
Receipt Date:	20050504
Manifest ID:	24317545
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050311
Creation Date:	6/2/2005 18:31:52
Receipt Date:	20050316
Manifest ID:	24312866
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050124

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Creation Date:	4/29/2005 8:38:49
Receipt Date:	20050202
Manifest ID:	24217469
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD983596636
Shipment Date:	20101229
Creation Date:	3/28/2011 18:30:08
Receipt Date:	20110110
Manifest ID:	007884110JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101124
Creation Date:	2/19/2011 18:30:32
Receipt Date:	20101208
Manifest ID:	007883737JJK
Trans EPA ID:	CAR000171017

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101124
Creation Date:	1/12/2011 18:30:24
Receipt Date:	20101124
Manifest ID:	001059542GBF
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446874
Trans Name:	EVERGREEN OIL INC DAVIS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101111
Creation Date:	2/8/2011 18:30:17
Receipt Date:	20101122
Manifest ID:	007883603JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101015
Creation Date:	1/3/2011 18:31:17
Receipt Date:	20101027
Manifest ID:	007400415JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100824
Creation Date:	12/3/2010 18:30:57
Receipt Date:	20100903
Manifest ID:	001059423GBF
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.875
Waste Quantity:	1750
Quantity Unit:	P

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100602
Creation Date:	8/26/2010 18:30:25
Receipt Date:	20100604
Manifest ID:	006587847JJK
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100316
Creation Date:	12/3/2010 18:30:16
Receipt Date:	20100323
Manifest ID:	002323025SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100316
Creation Date:	12/3/2010 18:30:16

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Receipt Date:	20100322
Manifest ID:	002188319SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100316
Creation Date:	12/3/2010 18:30:16
Receipt Date:	20100323
Manifest ID:	002323025SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD983596636

Shipment Date:	19991013
Creation Date:	1/4/2000 0:00:00
Receipt Date:	19991019
Manifest ID:	99565358
Trans EPA ID:	CAD044003556
Trans Name:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD983596636
Shipment Date:	20141229
Creation Date:	6/25/2015 22:16:11
Receipt Date:	20150106
Manifest ID:	012778327JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140912
Creation Date:	2/12/2015 22:15:04
Receipt Date:	20140923
Manifest ID:	012786140JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140610
Creation Date:	3/30/2015 22:15:06
Receipt Date:	20140617
Manifest ID:	012775564JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140313
Creation Date:	8/9/2014 22:15:29
Receipt Date:	20140324
Manifest ID:	010198830JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.05

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Waste Quantity: 2100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAD983596636

Shipment Date: 20170908
Creation Date: 11/1/2018 18:30:30
Receipt Date: 20170916
Manifest ID: 010689461JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: CAR000175422
Trans 2 Name: WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID: AZR000515924
Trans Name: YUMA YES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.6
Waste Quantity: 1200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170224
Creation Date: 5/10/2018 18:30:36
Receipt Date: 20170303
Manifest ID: 016706614JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: CAR000175422
Trans 2 Name: WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID: AZR000515924
Trans Name: YUMA YES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.5
Waste Quantity: 1000
Quantity Unit: P
Additional Code 1: Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170224
Creation Date:	5/10/2018 18:30:36
Receipt Date:	20170303
Manifest ID:	016706614JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD983596636
Shipment Date:	20011107
Creation Date:	1/29/2002 0:00:00
Receipt Date:	20011113
Manifest ID:	21296881
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Shipment Date:	20010824
Creation Date:	11/1/2001 0:00:00
Receipt Date:	20010829
Manifest ID:	20939853
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010222
Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010227
Manifest ID:	20735119
Trans EPA ID:	CAD044003556
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD983596636

Shipment Date:	20041203
Creation Date:	3/13/2007 18:30:13
Receipt Date:	20041208
Manifest ID:	24215748
Trans EPA ID:	CAD044003556

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040715
Creation Date:	11/5/2004 18:32:00
Receipt Date:	20040721
Manifest ID:	23812713
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.55
Waste Quantity:	1100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040401
Creation Date:	10/14/2004 7:49:48
Receipt Date:	20040407
Manifest ID:	23813240
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040305
Creation Date:	8/23/2004 8:48:57
Receipt Date:	20040310
Manifest ID:	23331138
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD983596636
Shipment Date:	20121130
Creation Date:	6/16/2013 22:15:06
Receipt Date:	Not reported
Manifest ID:	010188699JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120926
Creation Date:	8/25/2013 22:15:09
Receipt Date:	20121012
Manifest ID:	010187638JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120809
Creation Date:	1/9/2013 22:15:17
Receipt Date:	20120824
Manifest ID:	010187127JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120615
Creation Date:	5/29/2013 22:15:25

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Receipt Date:	20120627
Manifest ID:	009822123JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported

Shipment Date:	20120615
Creation Date:	5/29/2013 22:15:25
Receipt Date:	20120627
Manifest ID:	009822123JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120425
Creation Date:	10/19/2012 22:15:28
Receipt Date:	20120503
Manifest ID:	009817033JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120425
Creation Date:	10/19/2012 22:15:28
Receipt Date:	20120503
Manifest ID:	009817033JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported

Shipment Date:	20120425
Creation Date:	10/19/2012 22:15:28
Receipt Date:	20120503
Manifest ID:	009817033JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120424
Creation Date:	6/27/2012 20:30:23
Receipt Date:	20120426
Manifest ID:	009817032JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	DK DIXON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.77225
Waste Quantity:	425
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120312
Creation Date:	8/28/2012 22:15:13
Receipt Date:	20120322
Manifest ID:	009210944JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 5: Not reported

Additional Info:
Year: 2002
Gen EPA ID: CAD983596636

Shipment Date: 20020925
Creation Date: 2/18/2003 18:31:24
Receipt Date: 20021001
Manifest ID: 21928553
Trans EPA ID: CAD044003556
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 0.55
Waste Quantity: 1100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20020321
Creation Date: 7/17/2002 18:34:07
Receipt Date: 20020326
Manifest ID: 21792172
Trans EPA ID: CAD044003556
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2006

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Gen EPA ID: CAD983596636

Shipment Date: 20060216
Creation Date: 7/5/2006 12:04:15
Receipt Date: 20060222
Manifest ID: 24853895
Trans EPA ID: CAD044003556
Trans Name: RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D/K ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2009
Gen EPA ID: CAD983596636

Shipment Date: 20091228
Creation Date: 7/20/2010 18:30:08
Receipt Date: 20100104
Manifest ID: 002323024SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20091228
Creation Date: 7/19/2010 18:30:23

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Receipt Date:	20100107
Manifest ID:	002351141SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.35
Waste Quantity:	2700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091007
Creation Date:	4/12/2010 18:30:17
Receipt Date:	20091019
Manifest ID:	002170555SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091007
Creation Date:	4/12/2010 18:30:17
Receipt Date:	20091019
Manifest ID:	002170555SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091007
Creation Date:	4/12/2010 18:30:55
Receipt Date:	20091014
Manifest ID:	001022871SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090723
Creation Date:	1/8/2010 18:30:22
Receipt Date:	20090803
Manifest ID:	002008813SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090723
Creation Date:	1/8/2010 18:30:22
Receipt Date:	20090803
Manifest ID:	002008813SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090723
Creation Date:	1/8/2010 18:30:22
Receipt Date:	20090803
Manifest ID:	002008814SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090325

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Creation Date:	7/20/2009 18:30:18
Receipt Date:	20090330
Manifest ID:	001762831SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090325
Creation Date:	7/31/2009 18:30:37
Receipt Date:	20090402
Manifest ID:	001762832SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD983596636

Shipment Date:	20150903
Creation Date:	2/26/2016 22:15:15
Receipt Date:	20150911
Manifest ID:	014520432JJK

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150424
Creation Date:	11/6/2015 22:15:07
Receipt Date:	20150505
Manifest ID:	013452985JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD983596636

Shipment Date:	20131218
Creation Date:	5/14/2014 22:15:08
Receipt Date:	20131230
Manifest ID:	010191254JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.625
Waste Quantity:	1250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131024
Creation Date:	4/7/2014 22:15:17
Receipt Date:	20131030
Manifest ID:	010190884JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported

Shipment Date:	20131024
Creation Date:	4/7/2014 22:15:17
Receipt Date:	20131030
Manifest ID:	010190884JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.272
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131024
Creation Date:	4/7/2014 22:15:17
Receipt Date:	20131030
Manifest ID:	010190884JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.2375
Waste Quantity:	2475
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130815
Creation Date:	9/20/2013 22:15:23
Receipt Date:	20130820
Manifest ID:	010198383JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130605
Creation Date:	7/27/2013 22:15:06
Receipt Date:	20130611
Manifest ID:	010197857JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130605
Creation Date:	7/27/2013 22:15:06
Receipt Date:	20130611
Manifest ID:	010197857JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130418
Creation Date:	6/13/2013 22:15:07
Receipt Date:	20130423

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Manifest ID:	010197572JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130218
Creation Date:	4/12/2013 22:15:31
Receipt Date:	20130225
Manifest ID:	010189224JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	COUGHRAN MECHANICAL SERVICES
Address:	3053 LIBERTY ISLE RD
City,State,Zip:	RIO VISTA, CA 94571
Site ID:	462673
CERS ID:	110002854224
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Entity Name:	JASON DEVLIN
Entity Title:	Not reported
Affiliation Address:	3053 LIBERTY ISLE ROAD
Affiliation City:	RIOVISTA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Lenese Coughran
Entity Title:	Not reported
Affiliation Address:	POBOX 158
Affiliation City:	RIOVISTA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	JOHN COUGHRAN EXMPT TRST
Entity Title:	Not reported
Affiliation Address:	1015 BRIDGE TOWNE DR
Affiliation City:	LODI
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	COUGHRAN MECHANICAL SERVICES
Address:	3053 LIBERTY ISLE RD
Address 2:	Not reported
City,State,Zip:	RIO VISTA, CA 945710000
EPA ID:	CAD983596636
Inactive Date:	Not reported
Create Date:	07/25/1991
Last Act Date:	08/31/2020
Mailing Name:	Not reported
Mailing Address:	PO BOX 158
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RIO VISTA, CA 945710158
Owner Name:	KIRK COUGHRAN
Owner Address:	89 BRUNING AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	RIO VISTA, CA 945710000
Contact Name:	LENESE COUGHRAN
Contact Address:	3053 LIBERTY ISLE RD
Contact Address 2:	P.O. BOX 158
City,State,Zip:	RIO VISTA, CA 94571

NAICS:

EPA ID:	CAD983596636
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	1152
NAICS Description:	Support Activities for Animal Production

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000

EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	11521
NAICS Description:	Support Activities for Animal Production
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000

EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	23511
NAICS Description:	Plumbing, Heating, and Air-Conditioning Contractors
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000

EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	442299
NAICS Description:	All Other Home Furnishings Stores
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000

EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	45111
NAICS Description:	Sporting Goods Stores
Issued EPA ID Date:	1991-07-25 00:00:00

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	48839
NAICS Description:	Other Support Activities for Water Transportation
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	561622
NAICS Description:	Locksmiths
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	56179
NAICS Description:	Other Services to Buildings and Dwellings
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	562991
NAICS Description:	Septic Tank and Related Services
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	562998
NAICS Description:	All Other Miscellaneous Waste Management Services
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2013-10-15 15:45:40.993
NAICS Code:	71151
NAICS Description:	Independent Artists, Writers, and Performers
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	811211
NAICS Description:	Consumer Electronics Repair and Maintenance
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	811212
NAICS Description:	Computer and Office Machine Repair and Maintenance
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811219
NAICS Description: Other Electronic and Precision Equipment Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 81131
NAICS Description: Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811411
NAICS Description: Home and Garden Equipment Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES
Facility Address: 3053 LIBERTY ISLE RD
Facility Address 2: Not reported
Facility City: RIO VISTA
Facility County: Not reported
Facility State: CA
Facility Zip: 945710000

EPA ID: CAD983596636
Create Date: 2003-10-23 15:27:19.000
NAICS Code: 811412
NAICS Description: Appliance Repair and Maintenance
Issued EPA ID Date: 1991-07-25 00:00:00
Inactive Date: Not reported
Facility Name: COUGHRAN MECHANICAL SERVICES

COUGHRAN MECHANICAL SERVICES (Continued) **1000595711**

Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	81143
NAICS Description:	Footwear and Leather Goods Repair
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000
EPA ID:	CAD983596636
Create Date:	2011-10-26 15:19:37.000
NAICS Code:	81149
NAICS Description:	Other Personal and Household Goods Repair and Maintenance
Issued EPA ID Date:	1991-07-25 00:00:00
Inactive Date:	Not reported
Facility Name:	COUGHRAN MECHANICAL SERVICES
Facility Address:	3053 LIBERTY ISLE RD
Facility Address 2:	Not reported
Facility City:	RIO VISTA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945710000

B3 **BRANN RANCH** **LUST** **S122360912**
South **7983 STATE HIGHWAY 12** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.019 mi.
102 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
53 ft.

SOLANO CO. LUST:

Name:	BRANN RANCH
Address:	7983 STATE HIGHWAY 12
City,State,Zip:	RIO VISTA, CA 94571
Region:	SOLANO
Facility ID:	700314
Facility Status:	I
Facility Status Desc:	Inactive
Facility Phone:	Not reported
Program:	29S
Inventory Number:	1
Inventory Type:	SLIC - Spills, Leaks, Invest. & Cleanups (145)
Inventory Description:	Not reported
Last service/permit exp:	CONSULTATION - PHONE/COUNTER
Last service date:	09/27/2018
District:	SUP-DIST NO 3038

BRANN RANCH (Continued) **S122360912**

Inspector: Osier, Courtney A
Call Back: Not reported

C4 **COUGHRAN MECHANICAL SERVICES INC** **UST** **U003975760**
SSE **3053 LIBERTY ISLAND RD** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.029 mi.
152 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
52 ft.

SOLANO CO. UST:
Name: COUGHRAN MECHANICAL SERVICES INC
Address: 3053 LIBERTY ISLAND RD
City,State,Zip: RIO VISTA, CA 94571
Facility Id: 70042
Facility Status: Inactive
Decode for Facility Status: Closed
Facility Phone: 707-374-2100

Inventory Number: 1
Inventory Type: Underground Storage Tank (1)
Inventory Description: UST NEVER EXISTED AT SITE
Permit Expire/Last Service: Not reported
Last Service Date: Not reported
District: SUP-DIST NO 3038
Inspector: Osier, Courtney A

C5 **COUGHRAN MECHANICAL SERVICES, INC.** **CERS HAZ WASTE** **S113752254**
SSE **3053 LIBERTY ISLAND RD** **EMI** **N/A**
< 1/8 **RIO VISTA, CA 94571** **CERS**
0.029 mi.
152 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
52 ft.

CERS HAZ WASTE:
Name: COUGHRAN MECHANICAL SERVICES, INC.
Address: 3053 LIBERTY ISLAND RD
City,State,Zip: RIO VISTA, CA 94571
Site ID: 390671
CERS ID: 10464631
CERS Description: Hazardous Waste Generator

EMI:
Name: COUGHRAN MECHANICAL SERVICES, INC.
Address: 3053 LIBERTY ISLAND RD
City,State,Zip: RIO VISTA, CA 94571
Year: 2009
County Code: 57
Air Basin: SV
Facility ID: 90071
Air District Name: YS
SIC Code: 1311
Air District Name: YOLO/SOLANO AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9.5185995623632298
Reactive Organic Gases Tons/Yr: 0.87
Carbon Monoxide Emissions Tons/Yr: 12.27

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

NOX - Oxides of Nitrogen Tons/Yr: 0.91000000000000003
SOX - Oxides of Sulphur Tons/Yr: 2.9999999999999999E-2
Particulate Matter Tons/Yr: 3.0181086519114601E-2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2.9999999999999999E-2

Name: COUGHRAN MECHANICAL SERVICES, INC.
Address: 3053 LIBERTY ISLAND RD
City,State,Zip: RIO VISTA, CA 94571
Year: 2010
County Code: 57
Air Basin: SV
Facility ID: 90071
Air District Name: YS
SIC Code: 1311
Air District Name: YOLO/SOLANO AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9.5185995623632298
Reactive Organic Gases Tons/Yr: 0.87
Carbon Monoxide Emissions Tons/Yr: 12.27
NOX - Oxides of Nitrogen Tons/Yr: 0.91000000000000003
SOX - Oxides of Sulphur Tons/Yr: 2.9999999999999999E-2
Particulate Matter Tons/Yr: 3.0181086519114601E-2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2.9999999999999999E-2

CERS:
Name: COUGHRAN MECHANICAL SERVICES, INC.
Address: 3053 LIBERTY ISLAND RD
City,State,Zip: RIO VISTA, CA 94571
Site ID: 390671
CERS ID: 10464631
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 390671
Site Name: Coughran Mechanical Services, Inc.
Violation Date: 11-05-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 08/01/2014. HMBP not entered into CERS
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 390671
Site Name: Coughran Mechanical Services, Inc.
Violation Date: 02-21-2018
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 05/24/2018.
Violation Division: Solano County Environmental Health
Violation Program: HMRRP

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

Violation Source: CERS

Site ID: 390671
Site Name: Coughran Mechanical Services, Inc.
Violation Date: 11-05-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/01/2014. Label all containers. Label empty containers as "EMPTY"
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 390671
Site Name: Coughran Mechanical Services, Inc.
Violation Date: 11-05-2013
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/03/2019.
Violation Division: Solano County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 390671
Site Name: Coughran Mechanical Services, Inc.
Violation Date: 11-05-2013
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes: Returned to compliance on 08/01/2014.
Violation Division: Solano County Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 390671
Site Name: Coughran Mechanical Services, Inc.
Violation Date: 02-21-2018
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/24/2018.
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2018
Violations Found: No

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HMBP not entered into CERS. Label all containers, including empties.
Eval Division: Solano County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 390671
Facility Name: Coughran Mechanical Services, Inc.
Env Int Type Code: HMBP
Program ID: 10464631
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.182750
Longitude: -121.723860

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Solano County Env Health
Entity Title: Not reported

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

Affiliation Address:	675 Texas Street, Suite 5500
Affiliation City:	Fairfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	(707) 784-6765
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. box 158
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94571
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Coughran Mechanical Services, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 374-2100
Affiliation Type Desc:	Property Owner
Entity Name:	John Coughran Exempt. Trust
Entity Title:	Not reported
Affiliation Address:	1015 Bridge Towne Dr.
Affiliation City:	Lodi
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95242
Affiliation Phone:	(209) 369-5235
Affiliation Type Desc:	Legal Owner
Entity Name:	Kirk Coughran
Entity Title:	Not reported
Affiliation Address:	P.O. Box 158
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94571
Affiliation Phone:	(707) 374-2100
Affiliation Type Desc:	Document Preparer
Entity Name:	Lenese Coughran
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

COUGHRAN MECHANICAL SERVICES, INC. (Continued) **S113752254**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Lenese Coughran
Entity Title:	Not reported
Affiliation Address:	P.O. Box 158
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94571
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Coughran Mechanical Services, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Lenese Coughran
Entity Title:	Safety/Paroll Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

A6 **COUGHRAN** **SWEEPS UST** **S106924951**
SSE **3052 LIBERTY ISLAND RD** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.034 mi.
181 ft. **Site 3 of 3 in cluster A**

Relative:
Higher

Actual:
50 ft.

SWEEPS UST:

Name:	COUGHRAN
Address:	3052 LIBERTY ISLAND RD
City:	RIO VISTA
Status:	Not reported
Comp Number:	70042
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

D7
SSW
< 1/8
0.041 mi.
218 ft.

PACIFIC GAS & ELECTRIC CO
3059 CATTEY LN
RIO VISTA, CA 94571

Site 1 of 4 in cluster D

RCRA NonGen / NLR | **1024767550** | **CAC002987427**

Relative:
Higher

Actual:
60 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2018-10-31 00:00:00.0
Handler Name:	PACIFIC GAS & ELECTRIC CO
Handler Address:	3059 CATTEY LN
Handler City,State,Zip:	RIO VISTA, CA 94571
EPA ID:	CAC002987427
Contact Name:	BILL FROHLICH - PGE
Contact Address:	6111 BOLLINGER CANYON RD
Contact City,State,Zip:	SAN RAMON, CA 94583
Contact Telephone:	925-549-5691
Contact Fax:	Not reported
Contact Email:	WHF6@PGE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 7640
Mailing City,State,Zip:	SAN FRANCISCO, CA 94120
Owner Name:	PG&E-EPA IDS
Owner Type:	Other
Operator Name:	BILL FROHLICH - PGE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

PACIFIC GAS & ELECTRIC CO (Continued) **1024767550**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-20 16:30:36.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PG&E-EPA IDS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7640
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94120
Owner/Operator Telephone:	925-549-5691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BILL FROHLICH - PGE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6111 BOLLINGER CANYON RD
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-549-5691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PACIFIC GAS & ELECTRIC CO (Continued) **1024767550**

Historic Generators:
Receive Date: 2018-10-31 00:00:00.0
Handler Name: PACIFIC GAS & ELECTRIC CO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221210
NAICS Description: NATURAL GAS DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D8 **PACIFIC GAS & ELECTRIC D-962** **RCRA NonGen / NLR** **1025828901**
SSW **3059 CATTEY LANE** **CAC003008455**
< 1/8 **RIO VISTA, CA 94571**
0.041 mi.
218 ft. **Site 2 of 4 in cluster D**

Relative: **Higher**
Actual: **60 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 2019-04-03 00:00:00.0
Handler Name: PACIFIC GAS & ELECTRIC D-962
Handler Address: 3059 CATTEY LANE
Handler City,State,Zip: RIO VISTA, CA 94571
EPA ID: CAC003008455
Contact Name: BILL FROHLICH - PG&E
Contact Address: 6111 BOLLINGER CANYON RD
Contact City,State,Zip: SAN RAMON, CA 94583
Contact Telephone: 925-549-5691
Contact Fax: Not reported
Contact Email: WHF6@PGE.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: PO BOX 7640
Mailing City,State,Zip: SAN FRANCISCO, CA 94120
Owner Name: PG&E-EPA IDS

PACIFIC GAS & ELECTRIC D-962 (Continued) **1025828901**

Owner Type:	Other
Operator Name:	BILL FROHLICH - PG&E
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-26 18:51:40.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

PACIFIC GAS & ELECTRIC D-962 (Continued) **1025828901**

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PG&E-EPA IDS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7640
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94120
Owner/Operator Telephone:	925-549-5691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BILL FROHLICH - PG&E
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6111 BOLLINGER CANYON RD
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-549-5691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-04-03 00:00:00.0
Handler Name:	PACIFIC GAS & ELECTRIC D-962
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221210
NAICS Description:	NATURAL GAS DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B9 **BRANN BROS RANCH** **UST** **U003973537**
South **7989 STATE HIGHWAY 12** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.048 mi.
252 ft. **Site 2 of 4 in cluster B**

Relative: SOLANO CO. UST:
Higher

Actual: Name: BRANN BROS RANCH
51 ft. Address: 7989 STATE HIGHWAY 12
City,State,Zip: RIO VISTA, CA 94571
Facility Id: 80271
Facility Status: Inactive
Decode for Facility Status: Closed
Facility Phone: 707-374-6623

Inventory Number: 1
Inventory Type: Underground Storage Tank (1)
Inventory Description: Not reported
Permit Expire/Last Service: 3/31/1992
Last Service Date: Not reported
District: SUP-DIST NO 3038
Inspector: Osier, Courtney A

Name: BRANN BROS RANCH
Address: 7989 STATE HIGHWAY 12
City,State,Zip: RIO VISTA, CA 94571

Inventory Number: 2
Inventory Type: Underground Storage Tank (1)
Inventory Description: Not reported
Permit Expire/Last Service: 3/31/1992
Last Service Date: Not reported
District: SUP-DIST NO 3038
Inspector: Osier, Courtney A

B10 **BRANN BROS RANCH** **SWEEPS UST** **S106923529**
South **7989 STATE HWY 12** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.048 mi.
252 ft. **Site 3 of 4 in cluster B**

Relative: SWEEPS UST:
Higher

Actual: Name: BRANN BROS RANCH
51 ft. Address: 7989 STATE HWY 12
City: RIO VISTA
Status: Active
Comp Number: 80271
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-22-93
Action Date: 06-22-93
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 48-000-080271-000001
Tank Status: A
Capacity: 300
Active Date: 12-06-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

BRANN BROS RANCH (Continued) **S106923529**

Number Of Tanks: 2

Name: BRANN BROS RANCH
Address: 7989 STATE HWY 12
City: RIO VISTA
Status: Active
Comp Number: 80271
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-22-93
Action Date: 06-22-93
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 48-000-080271-000002
Tank Status: A
Capacity: 300
Active Date: 12-06-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

B11 **BRANN BROS RANCH** **HIST UST** **U001598195**
South **7989 STATE HWY 12** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.048 mi.
252 ft. **Site 4 of 4 in cluster B**

Relative: HIST UST:
Higher
Actual: Name: BRANN BROS RANCH
51 ft. Address: 7989 STATE HWY 12
City,State,Zip: RIO VISTA, CA 94571
File Number: 000211CE
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000211CE.pdf
Region: STATE
Facility ID: 00000053422
Facility Type: Other
Other Type: RANCH
Contact Name: WILLIAM BRANN
Telephone: 7073746623
Owner Name: BRANN BROS
Owner Address: 7989 STATE HWY 12
Owner City,St,Zip: RIO VISTA, CA 94571
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1942
Tank Capacity: 00000300
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Groundwater Monitoring Well

Tank Num: 002
Container Num: 2
Year Installed: 1936
Tank Capacity: 00000300

BRANN BROS RANCH (Continued) **U001598195**

Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Groundwater Monitoring Well

Click here for Geo Tracker PDF:

D12 **WILLIAMS MOBILE SERVICE INC.** **CERS HAZ WASTE** **S121793132**
SSW **3047 CATTEY LN** **CERS** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.078 mi.
410 ft. **Site 3 of 4 in cluster D**

Relative: Higher
Actual: 58 ft.

CERS HAZ WASTE:
Name: WILLIAMS MOBILE SERVICE INC.
Address: 3047 CATTEY LN
City,State,Zip: RIO VISTA, CA 94571
Site ID: 86132
CERS ID: 10459192
CERS Description: Hazardous Waste Generator

CERS:
Name: WILLIAMS MOBILE SERVICE INC.
Address: 3047 CATTEY LN
City,State,Zip: RIO VISTA, CA 94571
Site ID: 86132
CERS ID: 10459192
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 86132
Site Name: Williams Mobile Service Inc.
Violation Date: 01-29-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/29/2015.
Violation Division: Solano County Environmental Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015
Violations Found: Yes

WILLIAMS MOBILE SERVICE INC. (Continued) **S121793132**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 86132
Facility Name: Williams Mobile Service Inc.
Env Int Type Code: HWG
Program ID: 10459192
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.182210
Longitude: -121.731130

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Lee Williams
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Lee Williams
Entity Title: Not reported
Affiliation Address: P.O. Box 397
Affiliation City: Rio Vista
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94571
Affiliation Phone: (707) 374-2717

Affiliation Type Desc: Operator
Entity Name: Lee Williams
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (707) 689-3960

Affiliation Type Desc: Environmental Contact
Entity Name: Lee Williams
Entity Title: Not reported
Affiliation Address: P.O. Box 397
Affiliation City: Rio Vista
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94571
Affiliation Phone: Not reported

WILLIAMS MOBILE SERVICE INC. (Continued) **S121793132**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 397
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94571
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Williams Mobile Service Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Solano County Env Health
Entity Title:	Not reported
Affiliation Address:	675 Texas Street, Suite 5500
Affiliation City:	Fairfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	(707) 784-6765

Affiliation Type Desc:	Document Preparer
Entity Name:	Lee Williams
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Robert Cattey
Entity Title:	Not reported
Affiliation Address:	P.O. 415
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94571
Affiliation Phone:	(209) 603-6765

D13 **WILLIAMS MOBILE SERVICE** **RCRA NonGen / NLR** **1024831174**
SSW **3047 CATTEY LN** **CAL000367334**
< 1/8 **RIO VISTA, CA 94571**
0.078 mi.
410 ft. **Site 4 of 4 in cluster D**

Relative: **Higher**
Actual: **58 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2011-09-09 00:00:00.0
Handler Name:	WILLIAMS MOBILE SERVICE	
Handler Address:		3047 CATTEY LN
Handler City,State,Zip:		RIO VISTA, CA 94571
EPA ID:		CAL000367334
Contact Name:		LEE WILLIAMS
Contact Address:		3047 CATTEY LN
Contact City,State,Zip:		RIO VISTA, CA 94571
Contact Telephone:		707-374-2717
Contact Fax:		707-374-2763
Contact Email:		WILLIAMSMOBILESERVICE@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3047 CATTEY LN
Mailing City,State,Zip:		RIO VISTA, CA 94571
Owner Name:		LEE WILLIAMS
Owner Type:		Other
Operator Name:		LEE WILLIAMS
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

WILLIAMS MOBILE SERVICE (Continued) **1024831174**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 16:59:35.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LEE WILLIAMS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3047 CATTEY LN
Owner/Operator City,State,Zip:	RIO VISTA, CA 94571
Owner/Operator Telephone:	707-374-2717
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LEE WILLIAMS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3047 CATTEY LN
Owner/Operator City,State,Zip:	RIO VISTA, CA 94571
Owner/Operator Telephone:	707-374-2717
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

WILLIAMS MOBILE SERVICE (Continued) **1024831174**

Historic Generators:
Receive Date: 2011-09-09 00:00:00.0
Handler Name: WILLIAMS MOBILE SERVICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E14 **B&L EQUIPMENT RENTALS INC** **RCRA NonGen / NLR** **1025874063**
SSW **3041 CATTEY LN** **CAL000447192**
< 1/8 **RIO VISTA, CA 94571**
0.094 mi.
495 ft. **Site 1 of 3 in cluster E**

Relative: **Higher**

Actual: **60 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 2019-06-28 00:00:00.0
Handler Name: B&L EQUIPMENT RENTALS INC
Handler Address: 3041 CATTEY LN
Handler City,State,Zip: RIO VISTA, CA 94571
EPA ID: CAL000447192
Contact Name: STUART FELIZ
Contact Address: 3041 CATTEY LN
Contact City,State,Zip: RIO VISTA, CA 94571
Contact Telephone: 661-742-9050
Contact Fax: 661-587-3677
Contact Email: SFELIZ@BLSERVICESINC.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: PO BOX 22260
Mailing City,State,Zip: BAKERSFIELD, CA 93390-0000
Owner Name: B&L EQUIPMENT RENTALS INC

B&L EQUIPMENT RENTALS INC (Continued) **1025874063**

Owner Type:	Other
Operator Name:	STUART FELIZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-07-29 17:14:04.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

B&L EQUIPMENT RENTALS INC (Continued) **1025874063**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: B&L EQUIPMENT RENTALS INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 21054 KRATZMEYER RD
Owner/Operator City,State,Zip: BAKERSFIELD, CA 93314
Owner/Operator Telephone: 661-589-9080
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: STUART FELIZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3041 CATTEY LN
Owner/Operator City,State,Zip: RIO VISTA, CA 94571
Owner/Operator Telephone: 661-742-9050
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2019-06-28 00:00:00.0
Handler Name: B&L EQUIPMENT RENTALS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 238910
NAICS Description: SITE PREPARATION CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

15
SSE
< 1/8
0.105 mi.
556 ft.

UNIVERSAL INDUSTRIAL SERVICE INC
HIWAY 12 & LIBERTY ISLAND RD
RIO VISTA, CA 94571

RCRA NonGen / NLR

1000431683
CAT080031453

Relative:
Higher

Actual:
52 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	1981-03-13 00:00:00.0
Handler Name:	UNIVERSAL INDUSTRIAL SERVICE INC
Handler Address:	HIWAY 12 & LIBERTY ISLAND RD
Handler City,State,Zip:	RIO VISTA, CA 94571
EPA ID:	CAT080031453
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	HIWAY 12 & LIBERTY ISLAND RD
Contact City,State,Zip:	RIO VISTA, CA 94571
Contact Telephone:	707-374-5744
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	2
Mailing Address:	PO BOX 325
Mailing City,State,Zip:	RIO VISTA, CA 94571
Owner Name:	JACK COUGHRAN
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

UNIVERSAL INDUSTRIAL SERVICE INC (Continued) **1000431683**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 04:02:06.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JACK COUGHRAN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

UNIVERSAL INDUSTRIAL SERVICE INC (Continued) **1000431683**

Historic Generators:
Receive Date: 1981-03-13 00:00:00.0
Handler Name: UNIVERSAL INDUSTRIAL SERVICE INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F16 **B-C SERV INC** **RCRA NonGen / NLR** **1000131531**
SSE **HWY 12- LIBERTY ISLAND RD** **CAD000389973**
< 1/8 **RIO VISTA, CA 94571**
0.117 mi.
619 ft. **Site 1 of 2 in cluster F**

Relative: **Higher**
Actual: **52 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 1980-07-28 00:00:00.0
Handler Name: B-C SERV INC
Handler Address: HWY 12- LIBERTY ISLAND RD
Handler City,State,Zip: RIO VISTA, CA 94571
EPA ID: CAD000389973
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: HWY 12- LIBERTY ISLAND RD
Contact City,State,Zip: RIO VISTA, CA 94571
Contact Telephone: 707-374-5744
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: CA
State District: 2
Mailing Address: PO.BOX B
Mailing City,State,Zip: RIO VISTA, CA 94571
Owner Name: DENNIS BIRDSELL & JACK COUGHRAN
Owner Type: Private

B-C SERV INC (Continued) **1000131531**

Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:22:15.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

B-C SERV INC (Continued) **1000131531**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DENNIS BIRDSELL & JACK COUGHRAN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1980-07-28 00:00:00.0
Handler Name: B-C SERV INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	48411
NAICS Description:	GENERAL FREIGHT TRUCKING, LOCAL

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F17 **PRODUCTION POWER INC** **RCRA NonGen / NLR** **1000193047**
SSE **HWY12 & LIBERTY ISLAND RD** **HAZNET** **CAD981669609**
< 1/8 **RIO VISTA, CA 94571** **HWTS**
0.117 mi.
619 ft. **Site 2 of 2 in cluster F**

Relative: **Higher**
Actual: **52 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		1994-08-24 00:00:00.0
Handler Name:	PRODUCTION POWER INC	
Handler Address:		HWY12 & LIBERTY ISLAND RD
Handler City,State,Zip:		RIO VISTA, CA 94571
EPA ID:		CAD981669609
Contact Name:		ROXANNE ROBERTS
Contact Address:		HWY12 & LIBERTY ISLAND RD
Contact City,State,Zip:		RIO VISTA, CA 94571
Contact Telephone:		918-599-6138
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		CA
State District:		2
Mailing Address:		PO BOX 240
Mailing City,State,Zip:		TULSA, OK 74101
Owner Name:		PRODUCTION POWER INC
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

PRODUCTION POWER INC (Continued) **1000193047**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:28:54.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PRODUCTION POWER INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PRODUCTION POWER INC (Continued) **1000193047**

Historic Generators:
- Receive Date: 1994-08-24 00:00:00.0
- Handler Name: PRODUCTION POWER INC
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: CA
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
- Found Violation: Yes
- Agency Which Determined Violation: State
- Violation Short Description: Generators - General
- Date Violation was Determined: 1988-07-27 00:00:00.0
- Actual Return to Compliance Date: 1988-12-28 00:00:00.0
- Return to Compliance Qualifier: Observed
- Violation Responsible Agency: State
- Scheduled Compliance Date: 1988-11-18 00:00:00.0
- Enforcement Identifier: 001
- Date of Enforcement Action: 1988-09-27 00:00:00.0
- Enforcement Responsible Agency: State
- Enforcement Docket Number: Not reported
- Enforcement Attorney: R9
- Corrective Action Component: No
- Appeal Initiated Date: Not reported
- Appeal Resolution Date: Not reported
- Disposition Status Date: Not reported
- Disposition Status: Not reported
- Disposition Status Description: Not reported
- Consent/Final Order Sequence Number: Not reported
- Consent/Final Order Respondent Name: Not reported
- Consent/Final Order Lead Agency: Not reported
- Enforcement Type: WRITTEN INFORMAL
- Enforcement Responsible Person: R9
- Enforcement Responsible Sub-Organization: Not reported
- SEP Sequence Number: Not reported
- SEP Expenditure Amount: Not reported
- SEP Scheduled Completion Date: Not reported
- SEP Actual Date: Not reported
- SEP Defaulted Date: Not reported
- SEP Type: Not reported
- SEP Type Description: Not reported
- Proposed Amount: Not reported
- Final Monetary Amount: Not reported
- Paid Amount: Not reported
- Final Count: Not reported
- Final Amount: Not reported

PRODUCTION POWER INC (Continued) **1000193047**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1988-07-27 00:00:00.0
Actual Return to Compliance Date:	1988-12-28 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	1988-09-27 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1988-07-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-12-28 00:00:00.0
Scheduled Compliance Date:	1988-11-18 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-07-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	R9

PRODUCTION POWER INC (Continued) **1000193047**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-12-28 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

HAZNET:

Name:	PRODUCTION POWER INC
Address:	HWY12 & LIBERTY ISLAND RD
Address 2:	Not reported
City,State,Zip:	RIO VISTA, CA 945710000
Contact:	CANCELLED PER LTR ON 8/17/94
Telephone:	9185996138
Mailing Name:	Not reported
Mailing Address:	PO BOX 848
Year:	1995
Gepaid:	CAD981669609
TSD EPA ID:	CAD980883177
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	2.085
Year:	1994
Gepaid:	CAD981669609
TSD EPA ID:	CAD980883177
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	4.17
Year:	1993
Gepaid:	CAD981669609
TSD EPA ID:	CAD980883177
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	3.336
Year:	1992
Gepaid:	CAD981669609
TSD EPA ID:	CAD980883177
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	11.3841
Year:	1992
Gepaid:	CAD981669609
TSD EPA ID:	CAD009203100
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	5.838
Year:	1992
Gepaid:	CAD981669609
TSD EPA ID:	CAD009203100

PRODUCTION POWER INC (Continued) **1000193047**

CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: -
Tons: 18.1395

Year: 1991
Gepaid: CAD981669609
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: -
Tons: 0.325

Year: 1991
Gepaid: CAD981669609
TSD EPA ID: CAD009203100
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: -
Tons: 10.9671

Year: 1991
Gepaid: CAD981669609
TSD EPA ID: CAD009203100
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H01 - Transfer Station
Tons: 5.2125

Year: 1991
Gepaid: CAD981669609
TSD EPA ID: CAT080010101
CA Waste Code: 461 - Paint sludge
Disposal Method: -
Tons: 0.4587

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

Additional Info:
Year: 1994
Gen EPA ID: CAD981669609

Shipment Date: 19940307
Creation Date: 9/15/1995 0:00:00
Receipt Date: 19940307
Manifest ID: 93185662
Trans EPA ID: CAT000624247
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980883177
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 4.17
Waste Quantity: 1000

PRODUCTION POWER INC (Continued) **1000193047**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD981669609
Shipment Date:	19930813
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930813
Manifest ID:	92226923
Trans EPA ID:	CAT000624247
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980883177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.336
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD981669609
Shipment Date:	19950116
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19950116
Manifest ID:	92226654
Trans EPA ID:	CAT000624247
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980883177
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980883177
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.085
Waste Quantity:	500

PRODUCTION POWER INC (Continued) **1000193047**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PRODUCTION POWER INC
Address:	HWY12 & LIBERTY ISLAND RD
Address 2:	Not reported
City,State,Zip:	RIO VISTA, CA 945710000
EPA ID:	CAD981669609
Inactive Date:	08/17/1994
Create Date:	04/10/1987
Last Act Date:	08/10/2004
Mailing Name:	Not reported
Mailing Address:	PO BOX 848
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RIO VISTA, CA 945710000
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	CANCELLED PER LTR ON 8/17/94
Contact Address:	BY ROXANNE ROBERTS
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

E18 **TRANSFORMER TESTING & REPAIRS, INC.** **AST** **A100425388**
SSW **3035 CATTEY LN** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.117 mi.
619 ft. **Site 2 of 3 in cluster E**

Relative:
Higher

Actual:
62 ft.

AST:

Name:	TRANSFORMER TESTING & REPAIRS, INC.
Address:	3035 CATTEY LN
City/Zip:	RIO VISTA,94571
Certified Unified Program Agencies:	Not reported
Owner:	Yen Ling "Jenny" Chai-Caples
Total Gallons:	Not reported
CERSID:	10418389
Facility ID:	48-000-080850
Business Name:	Transformer Testing & Repairs, Inc.
Phone:	NA
Fax:	707-421-9662
Mailing Address:	P.O. Box 2219
Mailing Address City:	Suisun City
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	Greg Caples
Operator Phone:	707-421-9398
Owner Phone:	707-421-9398
Owner Mail Address:	P.O. Box 2219
Owner State:	CA
Owner Zip Code:	Not reported

TRANSFORMER TESTING & REPAIRS, INC. (Continued) **A100425388**

Owner Country:	United States
Property Owner Name:	Robert Cattey
Property Owner Phone:	209-603-6765
Property Owner Mailing Address:	P. O. Box 415
Property Owner City:	Rio Vista
Property Owner Stat :	CA
Property Owner Zip Code:	94571
Property Owner Country:	United States
EPAID:	CAL000324288

E19 **RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC** **CERS HAZ WASTE** **S121791825**
SSW **3035 CATTEY LN** **CERS** **N/A**
< 1/8 **RIO VISTA, CA 94571**
0.117 mi.
619 ft. **Site 3 of 3 in cluster E**

Relative:
Higher

Actual:
62 ft.

CERS HAZ WASTE:

Name:	RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC
Address:	3035 CATTEY LN
City,State,Zip:	RIO VISTA, CA 94571
Site ID:	77496
CERS ID:	10418389
CERS Description:	Hazardous Waste Generator

CERS:

Name:	RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC
Address:	3035 CATTEY LN
City,State,Zip:	RIO VISTA, CA 94571
Site ID:	77496
CERS ID:	10418389
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC
Violation Date:	09-25-2014
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 10/23/2014.
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC
Violation Date:	09-25-2014
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/23/2014.
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC

RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC (Continued) **S121791825**

Violation Date:	09-25-2014
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 10/23/2014.
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC
Violation Date:	09-25-2014
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/23/2014.
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC
Violation Date:	09-25-2014
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 10/23/2014.
Violation Division:	Solano County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC
Violation Date:	09-25-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/23/2014.
Violation Division:	Solano County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	77496
Site Name:	RESA Power Solutions-Transformer Services, LLC
Violation Date:	09-25-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable

RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC (Continued) **S121791825**

quantities.
Violation Notes: Returned to compliance on 10/23/2014.
Violation Division: Solano County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Solano County Environmental Health
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 77496
Facility Name: RESA Power Solutions-Transformer Services, LLC
Env Int Type Code: HWG
Program ID: 10418389
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.180080
Longitude: -121.730030

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Solano County Env Health
Entity Title: Not reported
Affiliation Address: 675 Texas Street, Suite 5500
Affiliation City: Fairfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94533
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1180 Horizon Drive, Suite E
Affiliation City: Fairfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94533
Affiliation Phone: Not reported

RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC (Continued) **S121791825**

Affiliation Type Desc:	Document Preparer
Entity Name:	Greg Caples
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Mark Angus
Entity Title:	Not reported
Affiliation Address:	1180 Horizon Drive, Suite E
Affiliation City:	Fairfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Robert Cattey
Entity Title:	Not reported
Affiliation Address:	P. O. Box 415
Affiliation City:	Rio Vista
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94571
Affiliation Phone:	(209) 603-6765

Affiliation Type Desc:	Identification Signer
Entity Name:	Mark Angus
Entity Title:	West Coast COO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	RESA Power Solutions, LLC
Entity Title:	Not reported
Affiliation Address:	2390 Zanker Road
Affiliation City:	SAN JOSE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95131
Affiliation Phone:	(800) 576-7372

Affiliation Type Desc:	Operator
Entity Name:	Mark Angus
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

RESA POWER SOLUTIONS-TRANSFORMER SERVICES, LLC (Continued) **S121791825**

Affiliation Zip:	Not reported
Affiliation Phone:	(832) 684-5877
Affiliation Type Desc:	Parent Corporation
Entity Name:	RESA Power Solutions-Transformer Services, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

G20 **HWS 2-11** **AST** **A100420905**
East **LIBERTY ISLAND RD** **N/A**
1/8-1/4 **RIO VISTA, CA 94571**
0.217 mi.
1148 ft. **Site 1 of 3 in cluster G**

Relative: AST:
Lower

Actual:
31 ft.

Name:	HWS 2-11
Address:	LIBERTY ISLAND RD
City/Zip:	RIO VISTA,94571
Certified Unified Program Agencies:	Not reported
Owner:	Concordia Resources, Inc.
Total Gallons:	Not reported
CERSID:	10623097
Facility ID:	48-000-080508
Business Name:	Concordia Resources
Phone:	916-446-7700
Fax:	916-446-9310
Mailing Address:	400 Capitol Mall, Suite 900
Mailing Address City:	Sacramento
Mailing Address State:	CA
Mailing Address Zip Code:	95814
Operator Name:	Bruce Webster
Operator Phone:	916-446-7700
Owner Phone:	916-446-7700
Owner Mail Address:	400 Capitol Mall, Suite 900
Owner State:	CA
Owner Zip Code:	95814
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Applied For

G21 **HWS 4-12** **AST** **A100420907**
East **LIBERTY ISLAND RD** **N/A**
1/8-1/4 **RIO VISTA, CA 94571**
0.217 mi.
1148 ft. **Site 2 of 3 in cluster G**

Relative: AST:
Lower

Actual: Name: HWS 4-12
31 ft. Address: LIBERTY ISLAND RD
City/Zip: RIO VISTA,94571
Certified Unified Program Agencies: Not reported
Owner: Concordia Resources, Inc.
Total Gallons: Not reported
CERSID: 10623109
Facility ID: 48-000-080680
Business Name: Concordia Resources
Phone: 916-446-7700
Fax: 916-446-9310
Mailing Address: 400 Capitol Mall, Suite 900
Mailing Address City: Sacramento
Mailing Address State: CA
Mailing Address Zip Code: 95814
Operator Name: Bruce Webster
Operator Phone: 916-446-7700
Owner Phone: 916-446-7700
Owner Mail Address: 400 Capitol Mall, Suite 900
Owner State: CA
Owner Zip Code: 95814
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Applied For

G22 **HWS 3-12** **AST** **A100420906**
East **LIBERTY ISLAND RD** **N/A**
1/8-1/4 **RIO VISTA, CA 94571**
0.217 mi.
1148 ft. **Site 3 of 3 in cluster G**

Relative: AST:
Lower

Actual: Name: HWS 3-12
31 ft. Address: LIBERTY ISLAND RD
City/Zip: RIO VISTA,94571
Certified Unified Program Agencies: Not reported
Owner: Concordia Resources, Inc.
Total Gallons: Not reported
CERSID: 10623103
Facility ID: 48-000-080679
Business Name: Concordia Resources
Phone: 916-446-7700
Fax: 916-446-9310
Mailing Address: 400 Capitol Mall, Suite 900
Mailing Address City: Sacramento
Mailing Address State: CA
Mailing Address Zip Code: 95814

HWS 3-12 (Continued) **A100420906**

Operator Name:	Bruce Webster
Operator Phone:	916-446-7700
Owner Phone:	916-446-7700
Owner Mail Address:	400 Capitol Mall, Suite 900
Owner State:	CA
Owner Zip Code:	95814
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Applied For

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23 **MCGRAUGH RANCH ELEMENTARY SCHOOL** **ENVIROSTOR** **S108484743**
NNW **MCCORMACK ROAD** **SCH** **N/A**
1/2-1 **UNINCORPORATED PORTION OF RIO, CA 94571**
0.517 mi.
2731 ft.

Relative:
Higher

Actual:
37 ft.

ENVIROSTOR:

Name:	MCGRAUGH RANCH ELEMENTARY SCHOOL
Address:	MCCORMACK ROAD
City,State,Zip:	UNINCORPORATED PORTION OF RIO VISTA, CA 94571
Facility ID:	60000634
Status:	Inactive - Needs Evaluation
Status Date:	11/02/2007
Site Code:	104586
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	22.62
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Mary Gaspari
Supervisor:	Mark Malinowski
Division Branch:	Northern California Schools & Santa Susana
Assembly:	11
Senate:	03
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	38.20529
Longitude:	-121.7325
APN:	048-080-090
Past Use:	AGRICULTURAL - ROW CROPS, OIL FIELD
Potential COC:	Arsenic Chlordane DDD DDE DDT Endrin Lead Methane Toxaphene
Confirmed COC:	30001-NO 30004-NO 30006-NO 30007-NO 30008-NO 30010-NO 30013-NO 30015-NO 30023-NO
Potential Description:	SOIL, SV
Alias Name:	048-080-090
Alias Type:	APN
Alias Name:	104586
Alias Type:	Project Code (Site Code)
Alias Name:	60000634

MCGRAUGH RANCH ELEMENTARY SCHOOL (Continued) **S108484743**

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 12/05/2007
Comments: The District's consultant requested this site be placed on HOLD because other locations are being considered. DTSC issued an Inactive Status Letter on Nov. 5, 2007 and the site was closed in Dec. 2007. No EOA was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/19/2007
Comments: DTSC issued a CRU Memo to Accounting to close-out the project due to the lack of response from the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 11/02/2007
Comments: DTSC issued a letter to the District confirming the site is considered Inactive for at least the next 30 days (pending notification form the District) because they are considering alternate locations for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/28/2007
Comments: Information provided for background review prior to scoping mtg.

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: MCGRAUGH RANCH ELEMENTARY SCHOOL
Address: MCCORMACK ROAD
City,State,Zip: UNINCORPORATED PORTION OF RIO VISTA, CA 94571
Facility ID: 60000634
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 22.62
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

MCGRAUGH RANCH ELEMENTARY SCHOOL (Continued) **S108484743**

Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Mary Gaspari
Supervisor:	Mark Malinowski
Division Branch:	Northern California Schools & Santa Susana
Site Code:	104586
Assembly:	11
Senate:	03
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	11/02/2007
Restricted Use:	NO
Funding:	School District
Latitude:	38.20529
Longitude:	-121.7325
APN:	048-080-090
Past Use:	AGRICULTURAL - ROW CROPS, OIL FIELD
Potential COC:	Arsenic, Chlordane, DDD, DDE, DDT, Endrin, Lead, Methane, Toxaphene
Confirmed COC:	30001-NO, 30004-NO, 30006-NO, 30007-NO, 30008-NO, 30010-NO, 30013-NO, 30015-NO, 30023-NO
Potential Description:	SOIL, SV
Alias Name:	048-080-090
Alias Type:	APN
Alias Name:	104586
Alias Type:	Project Code (Site Code)
Alias Name:	60000634
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	12/05/2007
Comments:	The District's consultant requested this site be placed on HOLD because other locations are being considered. DTSC issued an Inactive Status Letter on Nov. 5, 2007 and the site was closed in Dec. 2007. No EOA was completed.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	12/19/2007
Comments:	DTSC issued a CRU Memo to Accounting to close-out the project due to the lack of response from the District.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	11/02/2007
Comments:	DTSC issued a letter to the District confirming the site is considered Inactive for at least the next 30 days (pending notification form the District) because they are considering alternate locations for the site.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/28/2007
Comments:	Information provided for background review prior to scoping mtg.

MCGRAUGH RANCH ELEMENTARY SCHOOL (Continued) **S108484743**

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

24
South
1/2-1
0.722 mi.
3813 ft.

PG&E SERPA JUNCTION COMPRESSION STATION **ENVIROSTOR** **S101482537**
1.5 MILES NORTHWEST OF RIO VISTA **N/A**
RIO VISTA, CA 94571

Relative:
Higher

Actual:
103 ft.

ENVIROSTOR:

Name:	PG&E SERPA JUNCTION COMPRESSION STATION
Address:	1.5 MILES NORTHWEST OF RIO VISTA
City,State,Zip:	RIO VISTA, CA 94571
Facility ID:	48490008
Status:	Refer: RWQCB
Status Date:	04/16/1989
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
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:	11
Senate:	03
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	38.17274
Longitude:	-121.7242
APN:	NONE SPECIFIED
Past Use:	UTILITY - NATURAL GAS
Potential COC:	TPH-gas
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	SERPA JUNCTION COMPRESSION STATION- PG&E
Alias Type:	Alternate Name
Alias Name:	48490008
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	10/22/1986
Comments:	FACILITY IDENTIFIED. PG&E DISCOVERED PETROLEUM HYDROCARBONS IN SUBSURFACE SOILS DURING A GEOTECHNICAL INVESTIGATION FOR CONSTRUCTION

PG&E SERPA JUNCTION COMPRESSION STATION (Continued) **S101482537**

OF NEW CONTAINMENT STRUCTURES. PG&E INFORMED DHS AND RWQCB.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	04/16/1989
Comments:	RWQCB LEAD. SITE SCREENING DONE NO FURTHER ACTION UNDER CERCLA BECAUSE PETROLEUM PRODUCTS AND BY-PRODUCTS ARE NOT REGULATED.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIO VISTA	S122247642	GIBBS RANCH MODEL DEMOLITION	MCCORMACK ROAD 1200 FEET WEST	94571	NPDES
RIO VISTA	S106911481	TRILOGY - SHEA HOMES - SLIC	SUMMERSET DR	94571	LUST

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

Federal NPL site list

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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
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

Federal Delisted NPL site list

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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 11/11/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 03/08/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

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: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

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: 11/09/2020
Date Data Arrived at EDR: 11/10/2020
Date Made Active in Reports: 01/14/2021
Number of Days to Update: 65

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

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 6V: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 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 2: Fuel Leak List

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

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

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

LUST REG 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 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 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

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 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

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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 04/15/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
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

State and tribal registered storage tank lists

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

Date of Government Version: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

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

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
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: 09/03/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/03/2020
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
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: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

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

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

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

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/11/2020
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 09/14/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 86
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/29/2021
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: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
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: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
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: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
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: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/26/2021
Next Scheduled EDR Contact: 05/10/2021
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: 06/30/2019
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

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

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

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

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Annually

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: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
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: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
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: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
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: 09/20/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 09/30/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

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

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

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

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 09/29/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Semi-Annually

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: 01/07/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

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

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/31/2021
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: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/21/2021
Next Scheduled EDR Contact: 05/03/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 03/15/2021
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: 11/02/2020
Date Data Arrived at EDR: 11/12/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 05/17/2021
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: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
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: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
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: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
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: 11/30/2020
Next Scheduled EDR Contact: 03/15/2021
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: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
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: 01/08/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

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

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

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

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

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

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/27/2021
Next Scheduled EDR Contact: 05/10/2021
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: 09/30/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 88

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/05/2021
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: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/18/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
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: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/24/2020
Next Scheduled EDR Contact: 03/15/2021
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: 11/03/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 09/16/2020
Date Data Arrived at EDR: 09/17/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/10/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 11/04/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
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: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 10/03/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 90
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 73
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 74
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
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: 11/23/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
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: 11/23/2020
Date Data Arrived at EDR: 11/25/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 77

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2020
Date Data Arrived at EDR: 11/18/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 78

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
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: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
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: 10/16/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/22/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/29/2021
Number of Days to Update: 77
Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

ICE: ICE

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

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80
Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
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: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

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

Date of Government Version: 10/05/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
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: 10/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/09/2020
Date Data Arrived at EDR: 11/10/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 1
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/07/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/19/2021
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 3
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 02/18/2021
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

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

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
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: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

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

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

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

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

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

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

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

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Non-Case Information sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

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

Other Oil & Gas Projects sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

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

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

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: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 20
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 04/19/2021
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: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

PCS: Permit Compliance System

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

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

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

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
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: 02/16/2021
Next Scheduled EDR Contact: 05/17/2021
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: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/22/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/10/2021
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: 10/02/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/12/2021
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: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2020
Date Data Arrived at EDR: 11/19/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 77

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

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

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 01/28/2021
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 71

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
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: 02/16/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

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

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

Source: N/A
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 84

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

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

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
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: 12/31/2019
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

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

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
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: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42
Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
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: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
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: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

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

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
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: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 09/11/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 77

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

MARIN COUNTY:

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

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

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 9

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 11/16/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

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

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 16

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
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: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
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: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/28/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 79

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

ORANGE COUNTY:

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

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Annually

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

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 09/01/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/21/2021
Number of Days to Update: 79

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

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

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 1

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
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: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
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: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
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: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 11/16/2020
Date Data Arrived at EDR: 11/18/2020
Date Made Active in Reports: 02/04/2021
Number of Days to Update: 78
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

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

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/16/2021
Number of Days to Update: 77

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

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

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

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 82

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 11/05/2020
Date Data Arrived at EDR: 11/06/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 81

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

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

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/22/2021
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: 12/01/2020
Next Scheduled EDR Contact: 03/22/2021
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: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/20/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/05/2021
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
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: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
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: 02/15/2021
Next Scheduled EDR Contact: 05/16/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

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

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
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: 02/16/2021
Next Scheduled EDR Contact: 05/31/2021
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: 06/03/2019
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 12/03/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/03/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
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: 09/18/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 78

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 08/11/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/30/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 09/28/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/02/2021
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: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
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: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
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: 09/28/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
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: 12/01/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/22/2021
Number of Days to Update: 76
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

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

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/23/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 12
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/20/2020
Next Scheduled EDR Contact: 04/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

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

Date of Government Version: 01/26/2021
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 02/03/2021
Number of Days to Update: 6

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
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: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
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: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/31/2021
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: 12/03/2020
Next Scheduled EDR Contact: 03/22/2021
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BRANN RANCH
LIBERTY ISLAND ROAD
RIO VISTA, CA 94571

TARGET PROPERTY COORDINATES

Latitude (North):	38.190746 - 38° 11' 26.69''
Longitude (West):	121.727919 - 121° 43' 40.51''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	611400.4
UTM Y (Meters):	4227537.5
Elevation:	32 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5619744 RIO VISTA, CA
Version Date:	2012
West Map:	5619682 BIRDS LANDING, CA
Version Date:	2012

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).

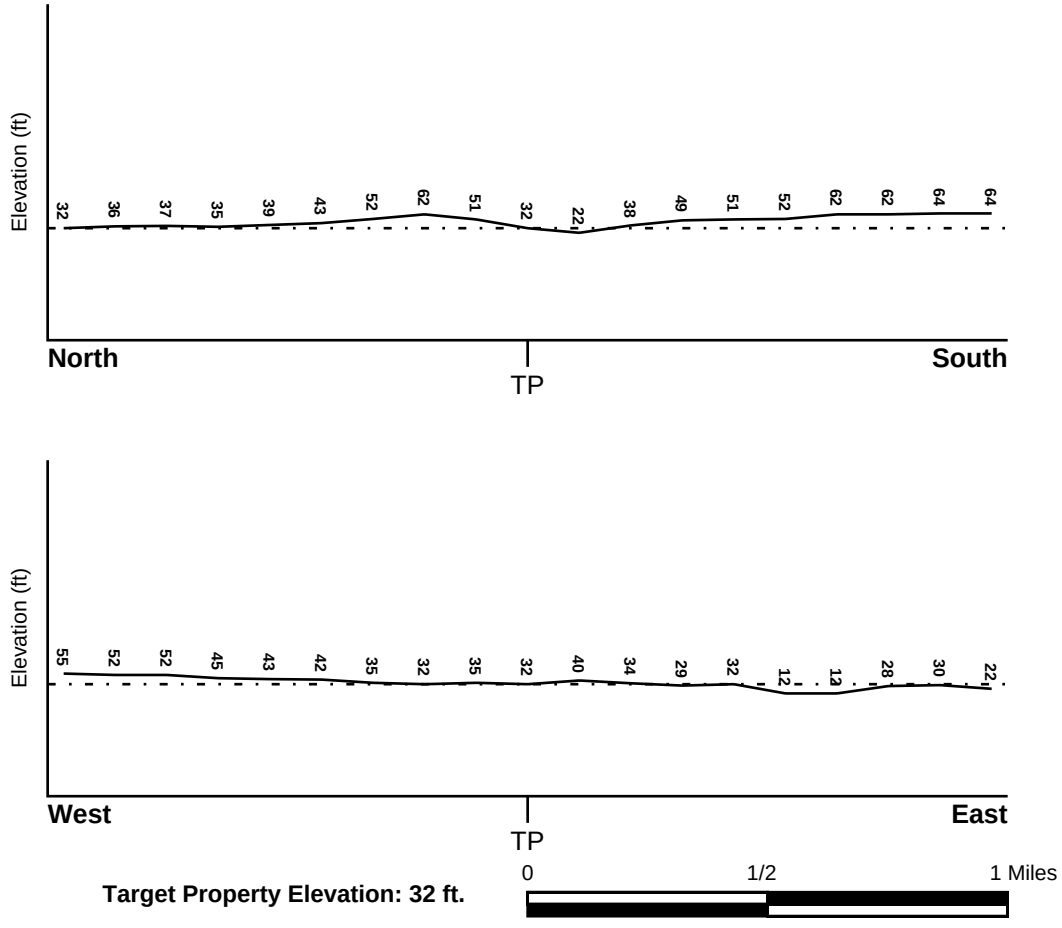
TOPOGRAPHIC INFORMATION

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 South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 32 ft.

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
06095C0530E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06095C0540E	FEMA FIRM Flood data
06095C0537E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
RIO VISTA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

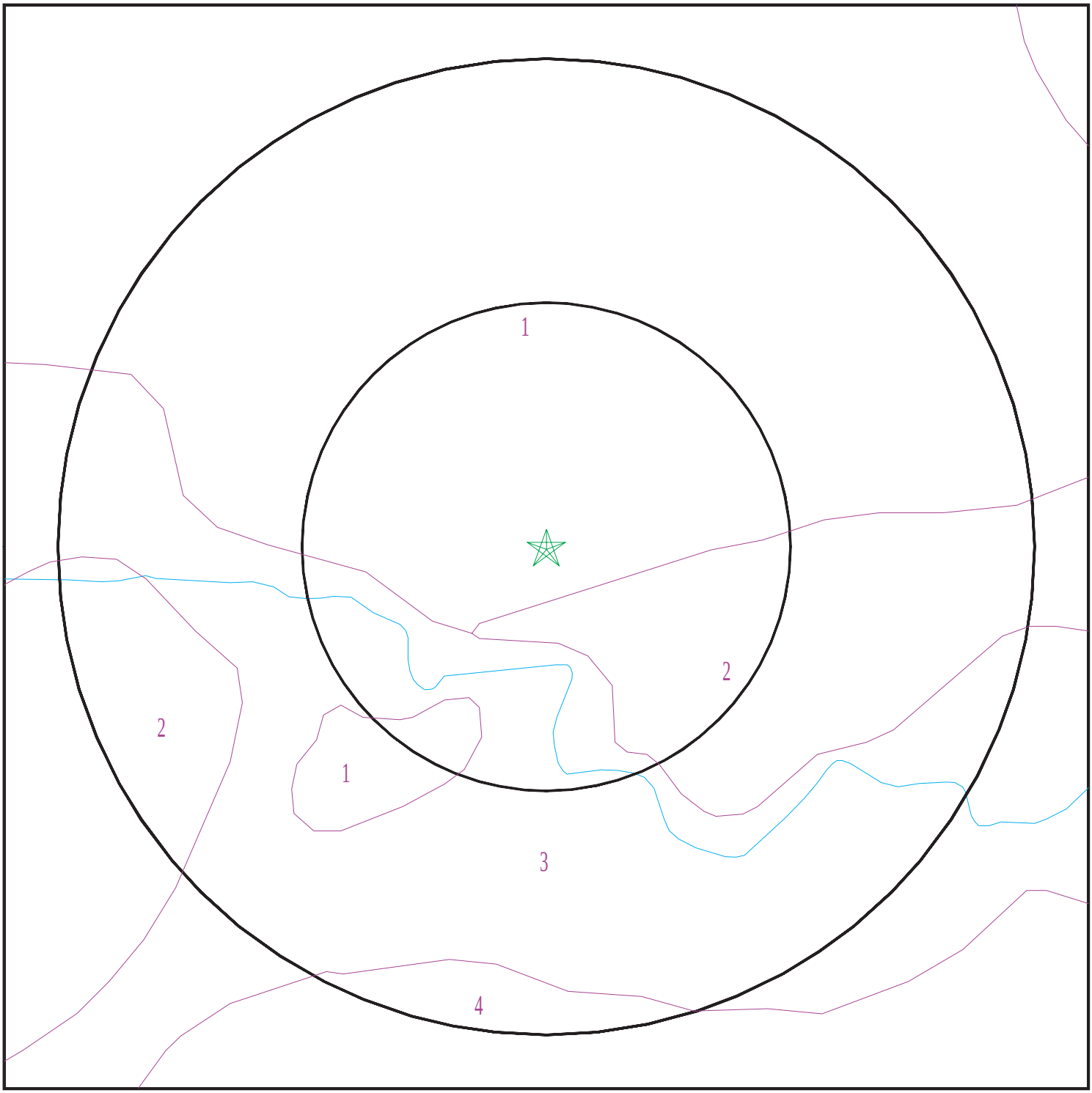
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6378411.2s



SITE NAME:	Brann Ranch	CLIENT:	GeoSolve
ADDRESS:	Liberty Island Road Rio Vista CA 94571	CONTACT:	Robert Campbell
		INQUIRY #:	6378411.2s
LAT/LONG:	38.190746 / 121.727919	DATE:	February 23, 2021 3:28 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: Altamont

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	27 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	27 inches	38 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	38 inches	42 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Antioch

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 9 Min: 7.9
2	18 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 9 Min: 7.9
3	59 inches	72 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 9 Min: 7.9

Soil Map ID: 3

Soil Component Name: Rincon

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	22 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1
2	22 inches	44 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1
3	44 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 4

Soil Component Name: Diablo

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	29 inches	40 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	40 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000187288	1/2 - 1 Mile NNW
A2	USGS40000187286	1/2 - 1 Mile NNE
B4	USGS40000187234	1/2 - 1 Mile SW
C8	USGS40000187287	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

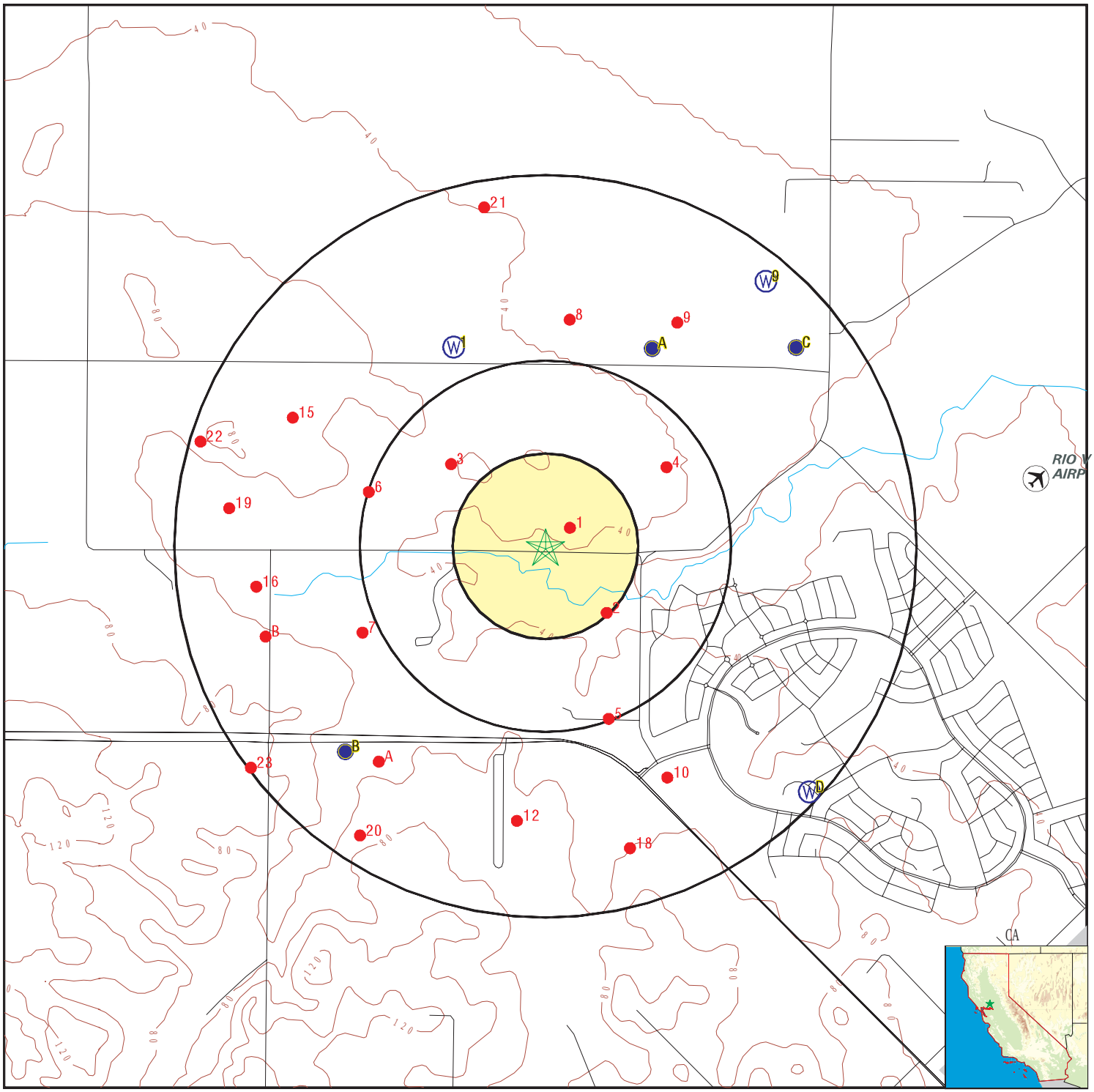
MAP ID	WELL ID	LOCATION FROM TP
A3	CADDW0000020386	1/2 - 1 Mile NNE
B5	CAUSGS000000354	1/2 - 1 Mile SW
B6	CAUSGSN00018636	1/2 - 1 Mile SW
C7	CAUSGSN00002797	1/2 - 1 Mile NE
9	CADWR0000003933	1/2 - 1 Mile NE
D10	CADDW0000020171	1/2 - 1 Mile SE
D11	CADDW0000000083	1/2 - 1 Mile SE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000130088	0 - 1/8 Mile NE
2	CAOG14000130084	1/8 - 1/4 Mile SE
3	CAOG14000130107	1/4 - 1/2 Mile NW
4	CAOG14000130237	1/4 - 1/2 Mile ENE
5	CAOG14000130091	1/4 - 1/2 Mile SSE
6	CAOG14000130155	1/4 - 1/2 Mile WNW
7	CAOG14000130273	1/2 - 1 Mile WSW
8	CAOG14000130233	1/2 - 1 Mile North
9	CAOG14000130235	1/2 - 1 Mile NNE
10	CAOG14000201549	1/2 - 1 Mile SSE
A11	CAOG14000130204	1/2 - 1 Mile SW
12	CAOG14000201568	1/2 - 1 Mile South
A13	CAOG14000130138	1/2 - 1 Mile SW
B14	CAOG14000130223	1/2 - 1 Mile WSW
15	CAOG14000130112	1/2 - 1 Mile WNW
16	CAOG14000130192	1/2 - 1 Mile West
B17	CAOG14000130144	1/2 - 1 Mile WSW
18	CAOG14000201561	1/2 - 1 Mile SSE
19	CAOG14000130205	1/2 - 1 Mile West
20	CAOG14000201664	1/2 - 1 Mile SSW
21	CAOG14000130168	1/2 - 1 Mile North
22	CAOG14000130187	1/2 - 1 Mile WNW
23	CAOG14000130212	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 6378411.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Brann Ranch	CLIENT:	GeoSolve
ADDRESS:	Liberty Island Road Rio Vista CA 94571	CONTACT:	Robert Campbell
		INQUIRY #:	6378411.2s
LAT/LONG:	38.190746 / 121.727919	DATE:	February 23, 2021 3:28 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000187288**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004N002E10R001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19620101	Well Depth:	200
Well Depth Units:	ft	Well Hole Depth:	200
Well Hole Depth Units:	ft		

A2
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40000187286**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004N002E11Q001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19560915	Well Depth:	432
Well Depth Units:	ft	Well Hole Depth:	432
Well Hole Depth Units:	ft		

A3
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000020386**

Well ID:	4810004-015	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 15	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4810004-015&store_num=		
GeoTracker Data:	Not Reported		

B4
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000187234**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004N002E22B001M	Type:	Well

Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520903	Well Depth:	112
Well Depth Units:	ft	Well Hole Depth:	112
Well Hole Depth Units:	ft		

B5
SW **CA WELLS** **CAUSGS000000354**
1/2 - 1 Mile
Higher

Well ID:	SOL-09	Well Type:	MUNICIPAL
Source:	United States Geological Survey		
Other Name:	SOL-09	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=SOL-09&store_num=		
GeoTracker Data:	Not Reported		

B6
SW **CA WELLS** **CAUSGSN00018636**
1/2 - 1 Mile
Higher

Well ID:	USGS-381058121441201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-381058121441201	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-381058121441201&store_num=		
GeoTracker Data:	Not Reported		

C7
NE **CA WELLS** **CAUSGSN00002797**
1/2 - 1 Mile
Lower

Well ID:	USGS-381155121425201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-381155121425201	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-381155121425201&store_num=		
GeoTracker Data:	Not Reported		

C8
NE **FED USGS** **USGS40000187287**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004N002E11R001M	Type:	Well
Description:	Not Reported	HUC:	18020109

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19590808	Well Depth:	130
Well Depth Units:	ft	Well Hole Depth:	130
Well Hole Depth Units:	ft		

9
NE **CA WELLS** **CADWR0000003933**
1/2 - 1 Mile
Lower

Well ID:	04N02E11R001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04N02E11R001M	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=04N02E11R001M&store_num=		
GeoTracker Data:	Not Reported		

D10
SE **CA WELLS** **CADDW0000020171**
1/2 - 1 Mile
Higher

Well ID:	4810004-016	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 16	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4810004-016&store_num=		
GeoTracker Data:	Not Reported		

D11
SE **CA WELLS** **CADDW0000000083**
1/2 - 1 Mile
Higher

Well ID:	4810004-006	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 12	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4810004-006&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NE
0 - 1/8 Mile

OIL_GAS **CAOG14000130088**

API #:	0409520806	Well #:	14-1
Well Status:	Plugged	Well Type:	Gas
Lease Name:	Brann	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	10/20/1987		

2
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG14000130084**

API #:	0409520790	Well #:	1
Well Status:	Plugged	Well Type:	Dry Gas
Lease Name:	Brann	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	07/20/1987		

3
NW
1/4 - 1/2 Mile

OIL_GAS **CAOG14000130107**

API #:	0409520948	Well #:	1
Well Status:	Plugged	Well Type:	Gas
Lease Name:	Judy Elliott	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	10/08/1992		

4
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG14000130237**

API #:	0409520179	Well #:	2
Well Status:	Plugged	Well Type:	Gas
Lease Name:	McCormack	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	08/30/1972		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

5
SSE **OIL_GAS** **CAOG14000130091**
1/4 - 1/2 Mile

API #:	0409520850	Well #:	2
Well Status:	Plugged	Well Type:	Gas
Lease Name:	Brann	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	05/22/1989		

6
WNW **OIL_GAS** **CAOG14000130155**
1/4 - 1/2 Mile

API #:	0409521163	Well #:	2-15
Well Status:	Plugged	Well Type:	Dry Gas
Lease Name:	McCormack Rd.	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	05/18/2002		

7
WSW **OIL_GAS** **CAOG14000130273**
1/2 - 1 Mile

API #:	0409520053	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Beutke Unit	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	03/27/1968		

8
North **OIL_GAS** **CAOG14000130233**
1/2 - 1 Mile

API #:	0409520163	Well #:	1
Well Status:	Plugged	Well Type:	Dry Gas
Lease Name:	McGraugh Unit 1	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	01/14/1972		

Map ID
Direction
Distance

Database EDR ID Number

9
NNE
1/2 - 1 Mile

OIL_GAS **CAOG14000130235**

API #:	0409520149	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Amerada-McCormack Unit 1	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	07/01/1971		

10
SSE
1/2 - 1 Mile

OIL_GAS **CAOG14000201549**

API #:	0409521311	Well #:	7
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	Marks	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	11/01/2008		

A11
SW
1/2 - 1 Mile

OIL_GAS **CAOG14000130204**

API #:	0409520666	Well #:	22-1
Well Status:	Active	Well Type:	Dry Gas
Lease Name:	Cattey	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	04/26/1984		

12
South
1/2 - 1 Mile

OIL_GAS **CAOG14000201568**

API #:	0409521260	Well #:	290
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	RVGU	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	02/13/2007		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A13
SW
1/2 - 1 Mile

OIL_GAS **CAOG14000130138**

API #:	0409521278	Well #:	2-22
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	Cattey	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	09/29/2007		

B14
WSW
1/2 - 1 Mile

OIL_GAS **CAOG14000130223**

API #:	0409520629	Well #:	2-15
Well Status:	Plugged	Well Type:	Gas
Lease Name:	Sanchez Farms	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	09/11/1983		

15
WNW
1/2 - 1 Mile

OIL_GAS **CAOG14000130112**

API #:	0409521147	Well #:	1-15
Well Status:	Plugged	Well Type:	Dry Gas
Lease Name:	McCormack Rd.	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	08/21/2001		

16
West
1/2 - 1 Mile

OIL_GAS **CAOG14000130192**

API #:	0409520553	Well #:	1-15
Well Status:	Plugged	Well Type:	Multi-Purpose
Lease Name:	Sanchez Farms	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	03/24/1982		

Map ID
Direction
Distance

Database EDR ID Number

B17
WSW
1/2 - 1 Mile

OIL_GAS **CAOG14000130144**

API #:	0409521259	Well #:	2-15
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Carole-Lynn	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	08/01/2006		

18
SSE
1/2 - 1 Mile

OIL_GAS **CAOG14000201561**

API #:	0409521193	Well #:	15
Well Status:	Idle	Well Type:	Dry Gas
Lease Name:	Drouin	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	10/26/2003		

19
West
1/2 - 1 Mile

OIL_GAS **CAOG14000130205**

API #:	0409520664	Well #:	22-15-3
Well Status:	Plugged	Well Type:	Multi-Purpose
Lease Name:	Avery-Wellman	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	05/05/1984		

20
SSW
1/2 - 1 Mile

OIL_GAS **CAOG14000201664**

API #:	0409500211	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Happe	Field Name:	Rio Vista Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	08/01/1936		

Map ID
Direction
Distance

Database EDR ID Number

21
North
1/2 - 1 Mile

OIL_GAS **CAOG14000130168**

API #:	0409520402	Well #:	1-11
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	McGraugh	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	11/14/1979		

22
WNW
1/2 - 1 Mile

OIL_GAS **CAOG14000130187**

API #:	0409520469	Well #:	21-15-1
Well Status:	Plugged	Well Type:	Dry Gas
Lease Name:	Avery-Wellman	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	07/23/1981		

23
SW
1/2 - 1 Mile

OIL_GAS **CAOG14000130212**

API #:	0409520595	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Martin	Field Name:	Lindsey Slough Gas
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	03/26/1983		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94571	4	0

Federal EPA Radon Zone for SOLANO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94571

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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BC LABORATORIES, INC. ANANLYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENT

Date of Report: 03/23/2021

Robert D. Campbell

GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Client Project:	[none]
BCL Project:	Danville Development
BCL Work Order:	2108479
Invoice ID:	B410747

Enclosed are the results of analyses for samples received by the laboratory on 3/12/2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Tina Green
Client Services

Stuart Buttram
Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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BC LABORATORIES

4100 Atlas Court Bakersfield, Ca. 93308
(661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com

RUSH

Chain of Custody

2108479

* Required Fields

TEMP: _____

Client/Company Name *:	Report Attention *:	Phone * #: / FAX * #:
GeoSolve Inc	Rob Campbell	(925) 963-1198 FAX * #:

E-mail: rcampbell@geosolve-inc.com

Address *	City *	State *	Zip *
111 Bank Street	Grass Valley	CA	95945

Project Information: Danville Development

PO # 2021-05

BCL Quote #

How would you like your completed results sent? [✓] E-Mail [ ] Fax [ ] EDD [ ] Mail Only

Sampler Name Printed / Signature: Eric Campbell

QC Request: [ ] STD [ ] Level II

Result Request ** Surcharge: [ ] STD [✓] 5 Day** [ ] 2 Day** [ ] 1 Day**

Carbon Copies: CDHS [ ] Fresno Co [ ] EPA [ ] Merced Co [ ] Tulare Co [ ] Other:

Regulatory Compliance: Electronic Data Transfer: Y [ ] N [✓] System No. *

Matrix Types: RSW = Raw Surface Water; RGW = Raw Ground Water; CFW = Clorinated Finished Water; FW = Finished Water; CWW = Chorinated Waste Water; WW = Waste Water; BW = Bottled Water; SW = Storm Water; DW = Drinking Water; SO = Solid

ANALYSIS REQUESTED: Pesticides; Organochlorine; Arsenic

	Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code	Organochlorine	Arsenic
-1	S1	1	3.11.21		Soil Sample	SO		X	X
-2	S2	1						X	X
-3	S3	1						X	X
-4	S4	1						X	X
-5	S5	1						X	X
-6	S6	1						X	X
-7	S7	1						X	X
-8	S8	1						X	X
-9	S9	1						X	X
-10	S10	1						X	X
-11	S11	1						X	X

CHK BY DISTRIBUTION WP RUSH PHEDS SUB OUT

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by (Signature and Print Name)	Company
Eric Campbell	GeoSolve	3.11.21	2:20	BSINGH	BC LABS
BSINGH	BC LABS	3-11-21	1515		BCL 3-12-21 955
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init.	

Shipping Method: CAO UPS GSO WALK-IN SJVC FED EX OTHER

Cooling Method: WET BLUE NONE

Packing Material:

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BC LABORATORIES

4100 Atlas Court Bakersfield, Ca. 93308
(661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com

RUSH! **Chain of Custody**

* Required Fields 21-03479 TEMP: ____

Client/Company Name *: GeoSolve Inc
Report Attention *: Rob Campbell
Ph: (925) 963-1198 FAX * #:
E-mail: rcampbell@geosolve-inc.com
ANALYSIS REQUESTED

Address * 111 Bank Street City * Grass Valley State * CA Zip * 95945

Project Information: Danville Development
PO # 2021-05
BCL Quote #

How would you like your completed results sent? ☑ E-Mail ☐ Fax ☐ EDD ☐ Mail Only

Carbon Copies: CDHS ☐ Fresno Co ☐ EPA ☐ Merced Co ☐ Tulare Co ☐ Other:

Regulatory Compliance Electronic Data Transfer: Y ☐ N ☑ System No. *

Sampler Name Printed / Signature: Eric Campbell

QC Request: ☐ STD ☐ Level II

Result Request ** Surcharge: ☐ STD ☑ 5 Day** ☐ 2 Day** ☐ 1 Day**

Matrix Types: RSW = Raw Surface Water CFW = Clorinated Finished Water CWW = Chorinated Waste Water BW = Bottled Water RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

	Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code	Organochlorine Pesticides	Arsenic							
-12	S12	1	3-4-21		Soil Sample	SO		X	X							
-13	S13	1						X	X							
-14	S14	1						X	X							
-15	S15	1						X	X							
-16	S16	1						X	X							
-17	S17	1						X	X							
-18	S18	1						X	X							
-19	S19	1						X	X							
-20	S20	1						X	X							
-21	S21	1						X	X							
-22	S22	1						X	X							

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by (Signature and Print Name)	Company
Eric Campbell	GeoSolve	3-11-21	2200	Bill Brewer/BRENSON	BC LABS
Bill Brewer/BRENSON	BC LABS	3-11-21	1513		BCL 3-12-21 955
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init.	

Shipping Method: CAO UPS GSO WALK-IN SJVC FED EX OTHER

Cooling Method: WET BLUE NONE

Packing Material:

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BC LABORATORIES

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RUSH!

Chain of Custody

21-08479

TEMP: _____

* Required Fields

Client/Company Name *:	Report Attention *:	Phone * #: / FAX * #: / E-mail:
GeoSolve Inc	Rob Campbell	(925) 963-7198 / rcampbell@geosolve-inc.com

Address * 111 Bank street City * Grass Valley State * CA Zip * 95945

Project Information: Danville Development — PO # 2021-05 — BCL Quote #

How would you like your completed results sent? ☑ E-Mail ☐ Fax ☐ EDD ☐ Mail Only

Sampler Name Printed / Signature: Eric Campbell

QC Request: ☐ STD ☐ Level II

Result Request ** Surcharge: ☐ STD ☑ 5 Day** ☐ 2 Day** ☐ 1 Day**

Carbon Copies: CDHS ☐ Fresno Co ☐ EPA ☐ Merced Co ☐ Tulare Co ☐ Other:

Regulatory Compliance Electronic Data Transfer: Y ☐ N ☑ System No. *

Matrix Types: RSW = Raw Surface Water CFW = Clorinated Finished Water CWW = Chorinated Waste Water BW = Bottled Water RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

ANALYSIS REQUESTED

Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code	Organochlorine Pesticides	Arsenic							
-23 S23	1	3-11-21		Soil Sample	SO		X	X							
-24 S24	1						X	X							
-25 S25	1						X	X							
26 S26	1						X	X							
27 S27	1						X	X							
28 S28	1						X	X							
-29 S29	1						X	X							
30 S30	1						X	X							
31 S31	1						X	X							
32 S32	1						X	X							
33 S33	1						X	X							

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Print Name)	Company
Eric Campbell	GeoSolve	3-11-21	1440		BC LABS
	BC LABS	3-11-21	1515		BCL 3-12-21 955
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init.	

Shipping Method: CAO UPS GSO WALK-IN SJVC FED EX OTHER

Cooling Method: WET BLUE NONE

Packing Material:

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(661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com

21-08479

Chain of Custody

RUSH!

* Required Fields

TEMP: _____

Client/Company Name *: GeoSolve Inc	Report Attention *: Rob Campbell	Phone *: (925) 963 1198 FAX *: E-mail: rcampbell@geosolve-inc.com
Address * 111 Bank St. City * Grass Valley State * CA Zip * 95945		Carbon Copies: CDHS ☐ Fresno Co ☐ EPA ☐ Merced Co ☐ Tulare Co ☐ Other:
Project Information: Danville Development	PO # 2021-05 BCL Quote #	
How would you like your completed results sent? ☑ E-Mail ☐ Fax ☐ EDD ☐ Mail Only		Regulatory Compliance Electronic Data Transfer: Y ☐ N ☐ System No. *
Sampler Name Printed / Signature: Eric Campbell	QC Request: ☐ STD ☐ Level II	Result Request ** Surcharge: ☐ STD ☐ 5 Day** ☐ 2 Day** ☐ 1 Day**

ANALYSIS REQUESTED

Carbon Chain C6-C44

Arsenic

Matrix Types: RSW = Raw Surface Water CFW = Chlorinated Finished Water CWW = Chlorinated Waste Water BW = Bottled Water RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

	Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code		
34	S34	1	3.11.21		Soil Sample	SO		X	X
35	S35	1			Soil Sample			X	X
36	AS1	1			Background as Sample				X
37	AS2	1							X
38	AS3	1							X
39	AS4	1	↓		↓	↓			X

Relinquished by: (Signature and Printed Name) Eric Campbell	Company GeoSolve	Date 3.11.21	Time 1440	Received by (Signature and Print Name) Bill Benson/BENSON	Company BC LABS
Relinquished by: (Signature and Printed Name) Bill Benson/BENSON	Company BC LABS	Date 3.4.21	Time 1515	Received by (Signature and Print Name)	Company BCL 3-12-21 955
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init.	

Shipping Method: CAO UPS GSO WALK-IN SJVC FED EX OTHER

Cooling Method: WET BLUE NONE

Packing Material:

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Chain of Custody and Cooler Receipt Form for 2108479 Page 5 of 8

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 4

Submission #: 21-08479

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☒ (Specify) GLS	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)	YES ☐ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .95 Container: glass Thermometer ID: 214 Date/Time 3-12-21 955

Temperature: (A) 3.9 °C / (C) 3.7 °C Analyst Init TK

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR 40z x10	A	A	A	A	A	A	A	A	A	A
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: PRE Date/Time: 3/16/21 1800

A = Actual / C = Corrected

Rev 21 05/23/2016

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Chain of Custody and Cooler Receipt Form for 2108479 Page 6 of 8

BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 Of 4

Submission #: 21-08479

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☒ (Specify) GLS	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)	YES ☐ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 95 Container: glass Thermometer ID: 214 Date/Time 3-12-21 955

Temperature: (A) 3.9 °C / (C) 3.7 °C Analyst Init TKJ

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR 4oz x10	A	A	A	A	A	A	A	A	A	A
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: PRE Date/Time: 3/16/21 1800

A = Actual / C = Corrected

Rev 21 05/23/2016

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Chain of Custody and Cooler Receipt Form for 2108479 Page 7 of 8

BC LABORATORIES INC. COOLER RECEIPT FORM Page 3 Of 4

Submission #: 21-08479

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☒ (Specify) GLS	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)	YES ☐ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .95 Container: Glass Thermometer ID: 274 Date/Time 3-12-21 955

Temperature: (A) 3.9 °C / (C) 3.7 °C Analyst Init TKJ

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	21	22	23	24	25	26	27	28	29	30
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr+6										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR 40z x10	A	A	A	A	A	A	A	A	A	A
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: PRE Date/Time: 3/16/21 1300

A = Actual / C = Corrected

Rev 21 05/23/2016

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Chain of Custody and Cooler Receipt Form for 2108479 Page 8 of 8

BC LABORATORIES INC. COOLER RECEIPT FORM Page 4 Of 4

Submission #: 21-08479

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☒ (Specify) GLS	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)	YES ☐ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .95 Container: glass Thermometer ID: 274 Date/Time 3-12-21 955

Temperature: (A) 3.9 °C / (C) 3.7 °C Analyst Init TKJ

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	31	32	33	34	35	36	37	38	39	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR 4oz x10	A	A	A	A	A	A	A	A	A	
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: PRE Date/Time: 3/16/21 1500

A = Actual / C = Corrected

Rev 21 05/23/2016

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2108479-01	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S1	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-02	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S2	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-03	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S3	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-04	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S4	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-05	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S5	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-06	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S6	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-07	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S7	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2108479-08	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S8	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-09	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S9	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-10	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S10	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-11	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S11	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-12	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S12	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-13	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S13	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-14	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S14	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2108479-15	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S15	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-16	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S16	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-17	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S17	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-18	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S18	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-19	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S19	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-20	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S20	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-21	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S21	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2108479-22	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S22	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-23	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S23	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-24	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S24	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-25	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S25	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-26	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S26	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-27	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S27	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-28	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S28	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2108479-29	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S29	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-30	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S30	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-31	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S31	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-32	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S32	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-33	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S33	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-34	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S34	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-35	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	S35	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2108479-36	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	AS1	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-37	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	AS2	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-38	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	AS3	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil
2108479-39	**COC Number:**	---	**Receive Date:**	03/12/2021 09:55
	Project Number:	---	**Sampling Date:**	03/11/2021 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	AS4	**Lab Matrix:**	Solids
	Sampled By:	---	**Sample Type:**	Soil

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-01 | **Client Sample Name:** S1, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	27.5	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	48.9	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 01:39	HKS	GC-17	1.014	B103346	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-01 | **Client Sample Name:** S1, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.4**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 13:59	JCC	PE-OP3	1	B103233	EPA 3050B

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-02 | **Client Sample Name:** S2, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	25.8	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	42.2	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 01:55	HKS	GC-17	1.007	B103346	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-02 | **Client Sample Name:** S2, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.7**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:01	JCC	PE-OP3	0.952	B103233	EPA 3050B

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-03 | **Client Sample Name:** S3, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	29.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	40.8	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 03:18	HKS	GC-17	0.987	B103346	EPA 3550B

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-03 | **Client Sample Name:** S3, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.0**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:02	JCC	PE-OP3	0.943	B103233	EPA 3050B

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-04 | **Client Sample Name:** S4, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	32.1	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	43.2	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 03:34	HKS	GC-17	1.007	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-04 | **Client Sample Name:** S4, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:08	JCC	PE-OP3	0.971	B103233	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-05 | **Client Sample Name:** S5, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	23.4	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	37.2	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 03:51	HKS	GC-17	0.990	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-05 | **Client Sample Name:** S5, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.1**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:10	JCC	PE-OP3	0.971	B103233	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-06 | **Client Sample Name:** S6, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	20.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	34.3	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 04:07	HKS	GC-17	1.007	B103346	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-06 | **Client Sample Name:** S6, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.7**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:11	JCC	PE-OP3	0.952	B103233	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-07 | **Client Sample Name:** S7, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	24.7	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	39.6	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 04:24	HKS	GC-17	1.010	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-07 | **Client Sample Name:** S7, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:14	JCC	PE-OP3	0.917	B103233	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-08 | **Client Sample Name:** S8, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	25.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	38.0	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 04:40	HKS	GC-17	0.987	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-08 | **Client Sample Name:** S8, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.5**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:15	JCC	PE-OP3	0.935	B103233	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-09 | **Client Sample Name:** S9, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	36.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	55.2	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 04:57	HKS	GC-17	0.984	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-09 | **Client Sample Name:** S9, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**5.0**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:17	JCC	PE-OP3	0.935	B103233	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-10 | **Client Sample Name:** S10, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	30.7	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	42.1	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 05:13	HKS	GC-17	0.997	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-10 | **Client Sample Name:** S10, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:18	JCC	PE-OP3	0.926	B103233	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-11 | **Client Sample Name:** S11, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	26.7	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	38.5	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 05:30	HKS	GC-17	0.993	B103346	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-11 | **Client Sample Name:** S11, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.9**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:20	JCC	PE-OP3	0.952	B103233	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-12 | **Client Sample Name:** S12, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	30.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	46.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 07:09	HKS	GC-17	1.003	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-12 | **Client Sample Name:** S12, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:22	JCC	PE-OP3	1	B103233	EPA 3050B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-13 | **Client Sample Name:** S13, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	31.7	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	42.8	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 07:25	HKS	GC-17	0.987	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-13 | **Client Sample Name:** S13, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:24	JCC	PE-OP3	0.943	B103233	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-14 | **Client Sample Name:** S14, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	29.6	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	40.6	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 07:42	HKS	GC-17	1.010	B103346	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-14 | **Client Sample Name:** S14, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.9**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:48	JCC	PE-OP3	0.971	B103234	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-15 | **Client Sample Name:** S15, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	25.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	29.1	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 07:58	HKS	GC-17	1.014	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-15 | **Client Sample Name:** S15, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**5.5**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:49	JCC	PE-OP3	0.962	B103234	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-16 | **Client Sample Name:** S16, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	30.2	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	28.5	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 08:15	HKS	GC-17	1.017	B103346	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-16 | **Client Sample Name:** S16, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:51	JCC	PE-OP3	1	B103234	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-17 | **Client Sample Name:** S17, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	50.8	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	44.0	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 08:31	HKS	GC-17	1.017	B103346	EPA 3550B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-17 | **Client Sample Name:** S17, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.2**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:53	JCC	PE-OP3	0.909	B103234	EPA 3050B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-18 | **Client Sample Name:** S18, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	43.8	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	47.8	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 08:48	HKS	GC-17	0.984	B103346	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-18 | **Client Sample Name:** S18, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.5**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:55	JCC	PE-OP3	0.926	B103234	EPA 3050B

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-19 | **Client Sample Name:** S19, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	58.4	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	62.4	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 09:04	HKS	GC-17	0.997	B103346	EPA 3550B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-19 | **Client Sample Name:** S19, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:33	JCC	PE-OP3	1	B103234	EPA 3050B

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-20 | **Client Sample Name:** S20, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0010	0.000036	EPA-8081A	1.4	A10	1
alpha-BHC	ND	mg/kg	0.0010	0.000076	EPA-8081A		A10	1
beta-BHC	ND	mg/kg	0.0010	0.000096	EPA-8081A		A10	1
delta-BHC	ND	mg/kg	0.0010	0.000074	EPA-8081A		A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0010	0.000036	EPA-8081A	4.0	A10	1
Chlordane (Technical)	ND	mg/kg	0.10	0.0020	EPA-8081A	2.5	A10	1
4,4'-DDD	ND	mg/kg	0.0010	0.00013	EPA-8081A	1.0	A10	1
4,4'-DDE	ND	mg/kg	0.0010	0.00019	EPA-8081A	1.0	A10	1
4,4'-DDT	ND	mg/kg	0.0010	0.000080	EPA-8081A	1.0	A10	1
Dieldrin	ND	mg/kg	0.0010	0.000072	EPA-8081A	8.0	A10	1
Endosulfan I	ND	mg/kg	0.0010	0.000040	EPA-8081A		A10	1
Endosulfan II	ND	mg/kg	0.0010	0.000068	EPA-8081A		A10	1
Endosulfan sulfate	ND	mg/kg	0.0010	0.000052	EPA-8081A		A10	1
Endrin	ND	mg/kg	0.0010	0.00013	EPA-8081A	0.2	A10	1
Endrin aldehyde	ND	mg/kg	0.0010	0.000036	EPA-8081A		A10	1
Heptachlor	ND	mg/kg	0.0010	0.00017	EPA-8081A	4.7	A10	1
Heptachlor epoxide	ND	mg/kg	0.0010	0.000034	EPA-8081A		A10	1
Methoxychlor	ND	mg/kg	0.0010	0.00019	EPA-8081A	100	A10	1
Toxaphene	ND	mg/kg	0.10	0.0028	EPA-8081A	5	A10	1
TCMX (Surrogate)	24.4	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	25.5	%	40 - 130 (LCL - UCL)		EPA-8081A		A10,A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 13:00	03/18/21 09:21	HKS	GC-17	2.034	B103346	EPA 3550B

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Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-20 | **Client Sample Name:** S20, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:56	JCC	PE-OP3	1	B103234	EPA 3050B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-21 | **Client Sample Name:** S21, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	43.5	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	49.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 11:50	HKS	GC-17	0.993	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-21 | **Client Sample Name:** S21, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 14:58	JCC	PE-OP3	0.990	B103234	EPA 3050B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-22 | **Client Sample Name:** S22, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	37.0	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	38.6	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 12:07	HKS	GC-17	1	B103337	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-22 | **Client Sample Name:** S22, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.7**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:01	JCC	PE-OP3	0.971	B103234	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-23 | **Client Sample Name:** S23, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	42.8	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	47.3	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 12:23	HKS	GC-17	0.984	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-23 | **Client Sample Name:** S23, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:03	JCC	PE-OP3	0.952	B103234	EPA 3050B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-24 | **Client Sample Name:** S24, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	38.2	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	45.4	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 12:40	HKS	GC-17	0.993	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-24 | **Client Sample Name:** S24, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:04	JCC	PE-OP3	0.962	B103234	EPA 3050B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-25 | **Client Sample Name:** S25, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	35.1	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	39.8	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 12:56	HKS	GC-17	1.007	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-25 | **Client Sample Name:** S25, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.0**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:11	JCC	PE-OP3	1	B103234	EPA 3050B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-26 | **Client Sample Name:** S26, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	42.4	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	44.3	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 13:13	HKS	GC-17	1.003	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-26 | **Client Sample Name:** S26, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:12	JCC	PE-OP3	0.980	B103234	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-27 | **Client Sample Name:** S27, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	35.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	49.8	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 14:35	HKS	GC-17	0.990	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-27 | **Client Sample Name:** S27, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.0**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:14	JCC	PE-OP3	0.962	B103234	EPA 3050B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-28 | **Client Sample Name:** S28, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	48.0	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	58.9	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 14:52	HKS	GC-17	0.984	B103337	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-28 | **Client Sample Name:** S28, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.2**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:17	JCC	PE-OP3	0.952	B103234	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-29 | **Client Sample Name:** S29, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	35.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	46.2	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 15:08	HKS	GC-17	0.997	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-29 | **Client Sample Name:** S29, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.2**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:18	JCC	PE-OP3	0.943	B103234	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-30 | **Client Sample Name:** S30, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	27.6	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	33.0	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 15:25	HKS	GC-17	0.984	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-30 | **Client Sample Name:** S30, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.2**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:20	JCC	PE-OP3	1	B103234	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-31 | **Client Sample Name:** S31, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	**0.00029**	**mg/kg**	**0.00050**	**0.000040**	**EPA-8081A**	1.0	**J**	1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	50.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	59.3	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 15:42	HKS	GC-17	1.017	B103337	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-31 | **Client Sample Name:** S31, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:21	JCC	PE-OP3	0.943	B103234	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-32 | **Client Sample Name:** S32, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	31.6	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	40.6	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 15:58	HKS	GC-17	0.984	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-32 | **Client Sample Name:** S32, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:23	JCC	PE-OP3	0.962	B103234	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-33 | **Client Sample Name:** S33, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	21.5	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	37.8	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 16:15	HKS	GC-17	0.987	B103337	EPA 3550B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-33 | **Client Sample Name:** S33, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.5**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 12:00	03/19/21 15:24	JCC	PE-OP3	1	B103234	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-34 | **Client Sample Name:** S34, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	29.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	47.0	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 16:31	HKS	GC-17	0.993	B103337	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-34 | **Client Sample Name:** S34, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 09:15	03/19/21 10:53	JCC	PE-OP3	0.990	B103231	EPA 3050B

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2108479-35 | **Client Sample Name:** S35, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	5		1
TCMX (Surrogate)	23.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	35.7	%	40 - 130 (LCL - UCL)		EPA-8081A		A20	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	03/17/21 14:00	03/18/21 16:48	HKS	GC-17	0.984	B103337	EPA 3550B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-35 | **Client Sample Name:** S35, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 09:15	03/19/21 10:55	JCC	PE-OP3	0.990	B103231	EPA 3050B

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-36 | **Client Sample Name:** AS1, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**4.1**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 09:15	03/19/21 10:57	JCC	PE-OP3	0.943	B103231	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-37 | **Client Sample Name:** AS2, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.5**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 09:15	03/19/21 10:58	JCC	PE-OP3	0.962	B103231	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-38 | **Client Sample Name:** AS3, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.2**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 09:15	03/19/21 11:00	JCC	PE-OP3	0.962	B103231	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

BCL Sample ID: 2108479-39 | **Client Sample Name:** AS4, 3/11/2021 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Arsenic	**3.7**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	500		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	03/18/21 09:15	03/19/21 11:02	JCC	PE-OP3	0.909	B103231	EPA 3050B

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B103337						
Aldrin	B103337-BLK1	ND	mg/kg	0.00050	0.000018	
alpha-BHC	B103337-BLK1	ND	mg/kg	0.00050	0.000038	
beta-BHC	B103337-BLK1	ND	mg/kg	0.00050	0.000048	
delta-BHC	B103337-BLK1	ND	mg/kg	0.00050	0.000037	
gamma-BHC (Lindane)	B103337-BLK1	ND	mg/kg	0.00050	0.000018	
Chlordane (Technical)	B103337-BLK1	ND	mg/kg	0.050	0.0010	
4,4'-DDD	B103337-BLK1	ND	mg/kg	0.00050	0.000064	
4,4'-DDE	B103337-BLK1	ND	mg/kg	0.00050	0.000095	
4,4'-DDT	B103337-BLK1	ND	mg/kg	0.00050	0.000040	
Dieldrin	B103337-BLK1	ND	mg/kg	0.00050	0.000036	
Endosulfan I	B103337-BLK1	ND	mg/kg	0.00050	0.000020	
Endosulfan II	B103337-BLK1	ND	mg/kg	0.00050	0.000034	
Endosulfan sulfate	B103337-BLK1	ND	mg/kg	0.00050	0.000026	
Endrin	B103337-BLK1	ND	mg/kg	0.00050	0.000065	
Endrin aldehyde	B103337-BLK1	ND	mg/kg	0.00050	0.000018	
Heptachlor	B103337-BLK1	ND	mg/kg	0.00050	0.000086	
Heptachlor epoxide	B103337-BLK1	ND	mg/kg	0.00050	0.000017	
Methoxychlor	B103337-BLK1	ND	mg/kg	0.00050	0.000094	
Toxaphene	B103337-BLK1	ND	mg/kg	0.050	0.0014	
TCMX (Surrogate)	**B103337-BLK1**	**88.2**	%	**20 - 130 (LCL - UCL)**		
Decachlorobiphenyl (Surrogate)	**B103337-BLK1**	**98.8**	%	**40 - 130 (LCL - UCL)**		
QC Batch ID: B103346						
Aldrin	B103346-BLK1	ND	mg/kg	0.00050	0.000018	
alpha-BHC	B103346-BLK1	ND	mg/kg	0.00050	0.000038	
beta-BHC	B103346-BLK1	ND	mg/kg	0.00050	0.000048	
delta-BHC	B103346-BLK1	ND	mg/kg	0.00050	0.000037	
gamma-BHC (Lindane)	B103346-BLK1	ND	mg/kg	0.00050	0.000018	
Chlordane (Technical)	B103346-BLK1	ND	mg/kg	0.050	0.0010	
4,4'-DDD	B103346-BLK1	ND	mg/kg	0.00050	0.000064	
4,4'-DDE	B103346-BLK1	ND	mg/kg	0.00050	0.000095	
4,4'-DDT	B103346-BLK1	ND	mg/kg	0.00050	0.000040	
Dieldrin	B103346-BLK1	ND	mg/kg	0.00050	0.000036	
Endosulfan I	B103346-BLK1	ND	mg/kg	0.00050	0.000020	

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111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B103346						
Endosulfan II	B103346-BLK1	ND	mg/kg	0.00050	0.000034	
Endosulfan sulfate	B103346-BLK1	ND	mg/kg	0.00050	0.000026	
Endrin	B103346-BLK1	ND	mg/kg	0.00050	0.000065	
Endrin aldehyde	B103346-BLK1	ND	mg/kg	0.00050	0.000018	
Heptachlor	B103346-BLK1	ND	mg/kg	0.00050	0.000086	
Heptachlor epoxide	B103346-BLK1	ND	mg/kg	0.00050	0.000017	
Methoxychlor	B103346-BLK1	ND	mg/kg	0.00050	0.000094	
Toxaphene	B103346-BLK1	ND	mg/kg	0.050	0.0014	
TCMX (Surrogate)	**B103346-BLK1**	**102**	%	**20 - 130 (LCL - UCL)**		
Decachlorobiphenyl (Surrogate)	**B103346-BLK1**	**110**	%	**40 - 130 (LCL - UCL)**		

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B103337										
Aldrin	B103337-BS1	LCS	0.0046173	0.0049834	mg/kg	92.7		70 - 130		
gamma-BHC (Lindane)	B103337-BS1	LCS	0.0046193	0.0049834	mg/kg	92.7		60 - 140		
4,4'-DDT	B103337-BS1	LCS	0.0039409	0.0049834	mg/kg	79.1		60 - 140		
Dieldrin	B103337-BS1	LCS	0.0047645	0.0049834	mg/kg	95.6		70 - 130		
Endrin	B103337-BS1	LCS	0.0039332	0.0049834	mg/kg	78.9		60 - 140		
Heptachlor	B103337-BS1	LCS	0.0044970	0.0049834	mg/kg	90.2		60 - 140		
TCMX (Surrogate)	B103337-BS1	LCS	0.0091904	0.0099668	mg/kg	92.2		20 - 130		
Decachlorobiphenyl (Surrogate)	B103337-BS1	LCS	0.020986	0.019934	mg/kg	105		40 - 130		
QC Batch ID: B103346										
Aldrin	B103346-BS1	LCS	0.0044936	0.0050167	mg/kg	89.6		70 - 130		
gamma-BHC (Lindane)	B103346-BS1	LCS	0.0045311	0.0050167	mg/kg	90.3		60 - 140		
4,4'-DDT	B103346-BS1	LCS	0.0042244	0.0050167	mg/kg	84.2		60 - 140		
Dieldrin	B103346-BS1	LCS	0.0046803	0.0050167	mg/kg	93.3		70 - 130		
Endrin	B103346-BS1	LCS	0.0040622	0.0050167	mg/kg	81.0		60 - 140		
Heptachlor	B103346-BS1	LCS	0.0043344	0.0050167	mg/kg	86.4		60 - 140		
TCMX (Surrogate)	B103346-BS1	LCS	0.0090187	0.010033	mg/kg	89.9		20 - 130		
Decachlorobiphenyl (Surrogate)	B103346-BS1	LCS	0.021497	0.020067	mg/kg	107		40 - 130		

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Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B103337	Used client sample: N										
Aldrin	MS	2104352-52	ND	0.0045500	0.0049342	mg/kg		92.2		50 - 140	
	MSD	2104352-52	ND	0.0048540	0.0050336	mg/kg	6.5	96.4	30	50 - 140	
gamma-BHC (Lindane)	MS	2104352-52	ND	0.0045158	0.0049342	mg/kg		91.5		50 - 140	
	MSD	2104352-52	ND	0.0048883	0.0050336	mg/kg	7.9	97.1	30	50 - 140	
4,4'-DDT	MS	2104352-52	ND	0.0039566	0.0049342	mg/kg		80.2		50 - 140	
	MSD	2104352-52	ND	0.0045336	0.0050336	mg/kg	13.6	90.1	30	50 - 140	
Dieldrin	MS	2104352-52	ND	0.0046516	0.0049342	mg/kg		94.3		40 - 140	
	MSD	2104352-52	ND	0.0051037	0.0050336	mg/kg	9.3	101	30	40 - 140	
Endrin	MS	2104352-52	ND	0.0038829	0.0049342	mg/kg		78.7		50 - 150	
	MSD	2104352-52	ND	0.0044299	0.0050336	mg/kg	13.2	88.0	30	50 - 150	
Heptachlor	MS	2104352-52	ND	0.0044401	0.0049342	mg/kg		90.0		60 - 140	
	MSD	2104352-52	ND	0.0048389	0.0050336	mg/kg	8.6	96.1	30	60 - 140	
TCMX (Surrogate)	MS	2104352-52	ND	0.0089789	0.0098684	mg/kg		91.0		20 - 130	
	MSD	2104352-52	ND	0.0096117	0.010067	mg/kg	6.8	95.5		20 - 130	
Decachlorobiphenyl (Surrogate)	MS	2104352-52	ND	0.021171	0.019737	mg/kg		107		40 - 130	
	MSD	2104352-52	ND	0.023453	0.020134	mg/kg	10.2	116		40 - 130	
QC Batch ID: B103346	Used client sample: N										
Aldrin	MS	2108269-25	ND	0.0047227	0.0050167	mg/kg		94.1		50 - 140	
	MSD	2108269-25	ND	0.0046570	0.0049669	mg/kg	1.4	93.8	30	50 - 140	
gamma-BHC (Lindane)	MS	2108269-25	ND	0.0048565	0.0050167	mg/kg		96.8		50 - 140	
	MSD	2108269-25	ND	0.0047606	0.0049669	mg/kg	2.0	95.8	30	50 - 140	
4,4'-DDT	MS	2108269-25	ND	0.0044371	0.0050167	mg/kg		88.4		50 - 140	
	MSD	2108269-25	ND	0.0046493	0.0049669	mg/kg	4.7	93.6	30	50 - 140	
Dieldrin	MS	2108269-25	ND	0.0049080	0.0050167	mg/kg		97.8		40 - 140	
	MSD	2108269-25	ND	0.0048874	0.0049669	mg/kg	0.4	98.4	30	40 - 140	
Endrin	MS	2108269-25	ND	0.0041799	0.0050167	mg/kg		83.3		50 - 150	
	MSD	2108269-25	ND	0.0043288	0.0049669	mg/kg	3.5	87.2	30	50 - 150	
Heptachlor	MS	2108269-25	ND	0.0045355	0.0050167	mg/kg		90.4		60 - 140	
	MSD	2108269-25	ND	0.0045076	0.0049669	mg/kg	0.6	90.8	30	60 - 140	
TCMX (Surrogate)	MS	2108269-25	ND	0.0094525	0.010033	mg/kg		94.2		20 - 130	
	MSD	2108269-25	ND	0.0091719	0.0099338	mg/kg	3.0	92.3		20 - 130	
Decachlorobiphenyl (Surrogate)	MS	2108269-25	ND	0.021875	0.020067	mg/kg		109		40 - 130	
	MSD	2108269-25	ND	0.022634	0.019868	mg/kg	3.4	114		40 - 130	

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B103231						
Arsenic	B103231-BLK1	ND	mg/kg	1.0	0.40	
QC Batch ID: B103233						
Arsenic	B103233-BLK1	ND	mg/kg	1.0	0.40	
QC Batch ID: B103234						
Arsenic	B103234-BLK1	ND	mg/kg	1.0	0.40	

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B103231										
Arsenic	B103231-BS1	LCS	19.744	20.000	mg/kg	98.7		75 - 125		
QC Batch ID: B103233										
Arsenic	B103233-BS1	LCS	18.966	20.000	mg/kg	94.8		75 - 125		
QC Batch ID: B103234										
Arsenic	B103234-BS1	LCS	19.478	20.000	mg/kg	97.4		75 - 125		

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B103231	Used client sample: N										
Arsenic	DUP	2107523-03	13.775	16.027		mg/kg	15.1		20		
	MS	2107523-03	13.775	31.176	20.000	mg/kg		87.0		75 - 125	
	MSD	2107523-03	13.775	30.623	20.000	mg/kg	1.8	84.2	20	75 - 125	
QC Batch ID: B103233	Used client sample: N										
Arsenic	DUP	2108478-24	2.2670	1.9534		mg/kg	14.9		20		
	MS	2108478-24	2.2670	19.744	20.000	mg/kg		87.4		75 - 125	
	MSD	2108478-24	2.2670	19.872	20.000	mg/kg	0.6	88.0	20	75 - 125	
QC Batch ID: B103234	Used client sample: Y - Description: S19, 03/11/2021 00:00										
Arsenic	DUP	2108479-19	3.5790	3.3957		mg/kg	5.3		20		
	MS	2108479-19	3.5790	19.648	20.000	mg/kg		80.3		75 - 125	
	MSD	2108479-19	3.5790	19.526	20.000	mg/kg	0.6	79.7	20	75 - 125	

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GeoSolve, Incorporated- Grass Valley
111 Bank Street #392
Grass Valley, CA 95945

Reported: 03/23/2021 13:56
Project: Danville Development
Project Number: [none]
Project Manager: Robert D. Campbell

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A10	Detection and quantitation limits were raised due to matrix interference.
A20	Surrogate is low due to matrix interference. Interference verified through second extraction/analysis.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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F2

Wildlife Hazard Analysis



Brann Ranch Master Planned Community

Wildlife Hazards Analysis

prepared for

Encore Liberty II, LLC
Attn. David Hardy, Vice President
770 Tamalpais Drive, #401B
Corte Madera, California 94925

prepared by

Rincon Consultants, Inc.
1530 Monterey Street
San Luis Obispo, California 93401
Travis Belt, Qualified Airport Wildlife Biologist

May 2025

RINCON CONSULTANTS, INC. SINCE 1994

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1 Introduction

The proposed Brann Ranch Master Planned Community project lies in the Rio Vista Municipal Airport (RV Airport, airport) and Travis Air Force Base (TAFB, base) Airport Influence Areas (AIA). Rincon Consultants, Inc. has prepared this Wildlife Hazard Analysis (WHA) at the request of Encore Liberty II, LLC. to address wildlife hazard related policies included in the RV Airport Land Use Compatibility Plan (LUCP) and the TAFB LUCP. This WHA provides a baseline of pre-project data on wildlife attractants and avian uses of the proposed project area and assesses the potential for the project to increase or decrease wildlife attraction to the proposed project site. Where applicable and pursuant to the RV Airport LUCP Policy WH-1, this WHA includes minimization measures designed to minimize wildlife attraction to the site in the design, construction, and operations phases of the proposed Brann Ranch Master Planned Community project.

1.1 Project Location

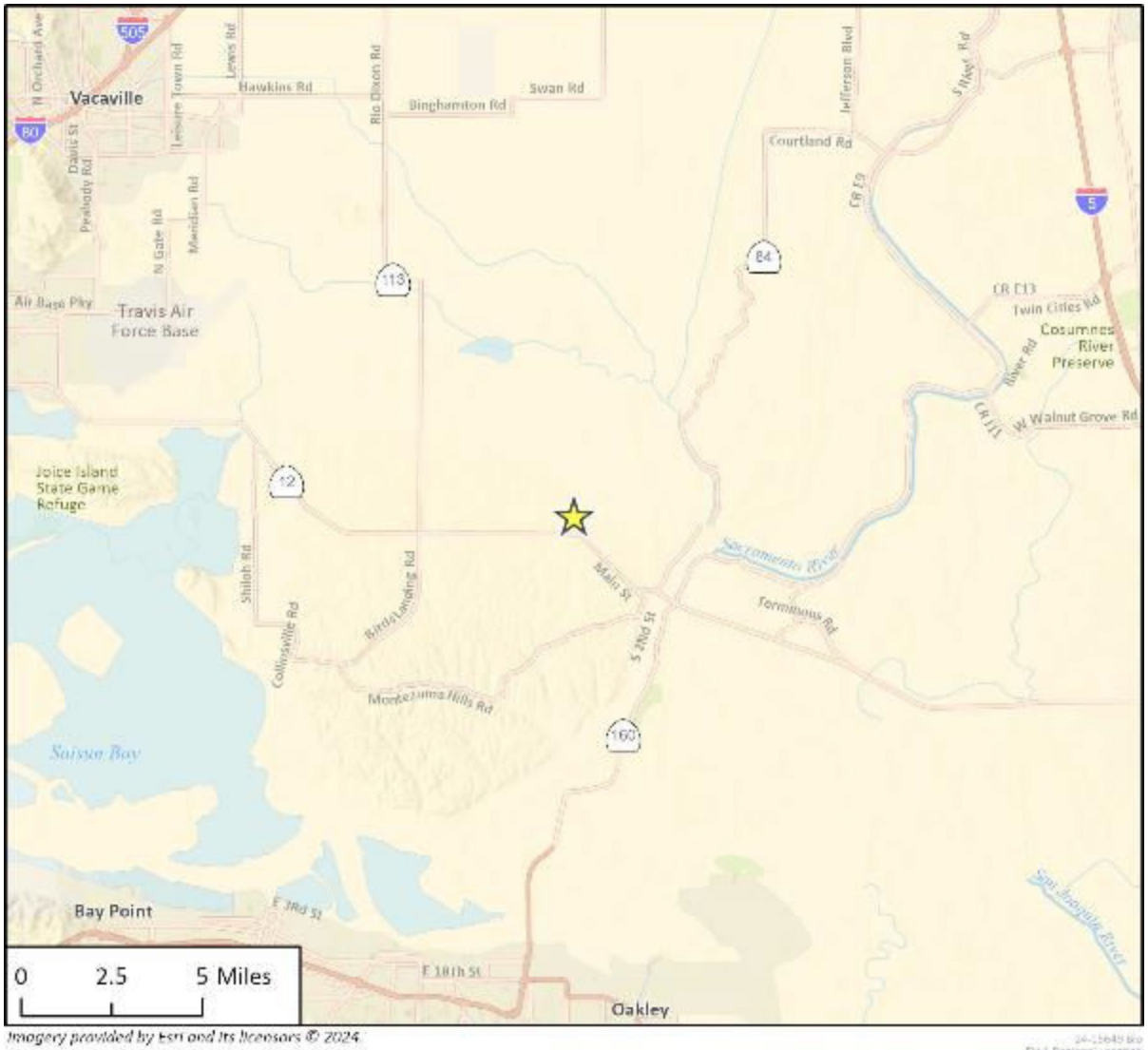
The project site is located at 7989 State Route 12 in the City of Rio Vista in Solano County, west of the intersection of Canright Road and Province Path (Figure 1). The project site consists of 322 acres across six parcels (Assessor's Parcel Numbers 0048-110-460, 0048-011-490, 0048-110-100, 0048-110-470, 0048-110-480, and 0048-110-060) and is bound by McCormack Road to the north, State Route 12 to the south, Province Path and Liberty Island to the east, and agriculture to the west (refer to Figure 2).

1.2 Project Description

The following project description is summarized from the Draft Environmental Impact Report project description that was provided by Encore Liberty II, LLC. The goal of the project is to build a master planned residential subdivision in Rio Vista. The project would develop a master planned community including single-family detached residential, multifamily residential, public improvements and infrastructure, parks and open space, neighborhood commercial/retail, a community garden, parking, and an offer of dedication of a site for a kindergarten through sixth grade elementary school. The following summarizes the project elements:

- **Single Family Residential:** The proposed project includes 1,073 single-family detached homes. A total of 514 single-family units would be built in Phase 1, another 434 in Phase 2, and 125 in Phase 3.
- **Multifamily Residential:** An approximately 2.5-acre area would be designated for high-density multifamily residential that could support up to 52 multifamily units within buildings up to three stories (maximum 50 feet in height).
- **Mixed-Use:** The project would include an approximately 2.5-acre mixed-use area located within the eastern portion of the project site along Province Path that would allow for neighborhood commercial/retail. The allowed uses within this zone must comply with the RV Airport plan for flight Safety Zone 4 and may include office uses, small health/fitness clubs, restaurants, maintenance or repair services, retail, or fire or police stations.

Figure 1 Project Vicinity



Imagery provided by Esri and its licensors © 2024

Project Location

N



Figure 2 Wildlife Hazard Analysis Study Area and Survey Points



- **School Site:** The project would include an offer to dedicate an approximately 8.7-acre school site, located on the southeastern portion of the project site (, along Liberty Island Road, to the River Delta Unified School District (District). The project applicant would dedicate the land and the District would be responsible for development and operation of a kindergarten through sixth grade elementary school.
- **Parks and Open Space:** Approximately 80 acres of the site would remain in open space, including four neighborhood parks, passive open space along Watson Hollow, and passive open space through the center of the project site north of Canright Road within RV Airport flight safety Zone 4. The parks and open space would be dedicated to, and maintained by, the City of Rio Vista.
- **Vehicular Access:** The master planned community includes local roadways (one driving lane in each direction) throughout the project site. A north-south roadway is proposed through the project site, Bill Brann Road, connecting the northern and southern portions of the site, from McCormack Road to State Route 12. There would be three permanent crossings of Watson Hollow; each crossing would require abutments placed outside the bed and bank of the ephemeral drainage.
- **Stormwater Detention Basins and Bio-retention Facilities:** Three detention basins and three bio-retention areas are proposed. The stormwater detention basins and bio-retention facilities would account for approximately 23 acres, would consist of undeveloped space, and would be managed by the Community Facilities District.
- **Utility Infrastructure:** Existing potable water, sewer, and recycled water pipelines located under Province Path and McCormack and Liberty Island Road will serve the Brann Ranch Project. The project would include installation of on-site utility infrastructure and connections to off-site infrastructure, including a wastewater pump station, a new potable groundwater well and wellhead treatment facilities, drainage improvements, stormwater detention and bioretention basins, and stormwater outfalls (five on-site to Watson Hollow and one outfall to off-site). Utility infrastructure would be constructed during each respective phase of the project.
    - **Wastewater:** Wastewater from the project site would be collected via on-site sewer pipelines. A new pump station located north of Watson Hollow and west of Liberty Island Road would be installed during Phase 1 and would support delivery of on-site wastewater flows to the sewer force main located in Liberty Island Road. The wastewater would then flow to the existing Northwest Wastewater Treatment Plant for treatment.
- **Solid Waste:** Solid waste would be collected by the Mt. Diablo Resource and Recovery. Solid waste service is anticipated to occur up to two times per week, and non-recyclable waste would be transported to the Keller Canyon Landfill. Green waste would be transported to the Recology Recycling and compost facility in Vacaville.

1.3 Airport Land Use Compatibility

RV Airport is located at 3000 Baumann Road, approximately one mile east of the project site. RV Airport is a public use airport owned and operated by the City of Rio Vista and is mainly used as a recreational flying facility for mostly single engine aircraft and helicopters. RV Airport has two paved runways and a helipad. TAFB is located 12.8 miles to the northwest of the project site.

The Solano County Airport Land Use Commission (ALUC) is responsible for reviewing projects near airports to make sure they are consistent with approved airport land use compatibility plans. The

Solano County ALUC has adopted the RV Airport LUCP and TAFB LUCP. These documents define the boundaries of the AIAs for the RV Airport and TAFB. The proposed project is in the AIAs for both facilities. Where AIAs of two airports overlap, both compatibility plans apply. The TAFB LUCP and RV Airport LUCP contain policies associated with assessment of land use compatibility to ensure that future land uses in the AIAs will remain compatible with aircraft activity at the RV Airport and TAFB.

Rio Vista Municipal Airport Land Use Compatibility

The RV Airport LUCP includes runway protection zones surrounding the runways at the RV Airport. The airport is divided into seven safety zones: the Primary Surface Zone; Zone 1 – Runway Protection Zone; Zone 2- Inner Approach/Departure Zone; Zone 3- Inner Turning Zone; Zone 4 – Outer Approach/Departure Surface; Zone 5 – Sideline Zone; and Zone 6 – Traffic Pattern Zone. The Traffic Pattern Zone is the outermost zone and encircles the entire airport and all the other zones.

Most of the project site is located within RV Airport flight Safety Zone 6 (Figure 3). Airport flight Safety Zone 6 comprises the traffic pattern zone. Approximately 59 acres, centrally located in the project site is within RV Airport flight Safety Zone 4, which covers the outer approach and departure surfaces for the airport. Approximately 4 acres in the northeastern quadrant of the project site at Province Path is within flight Safety Zone 2, which covers the inner approach and departure zones for the airport. Zone 6, Zone 4, and Zone 2 are within the Inner WHA Boundary for the airport (Solano County ALUC 2018).

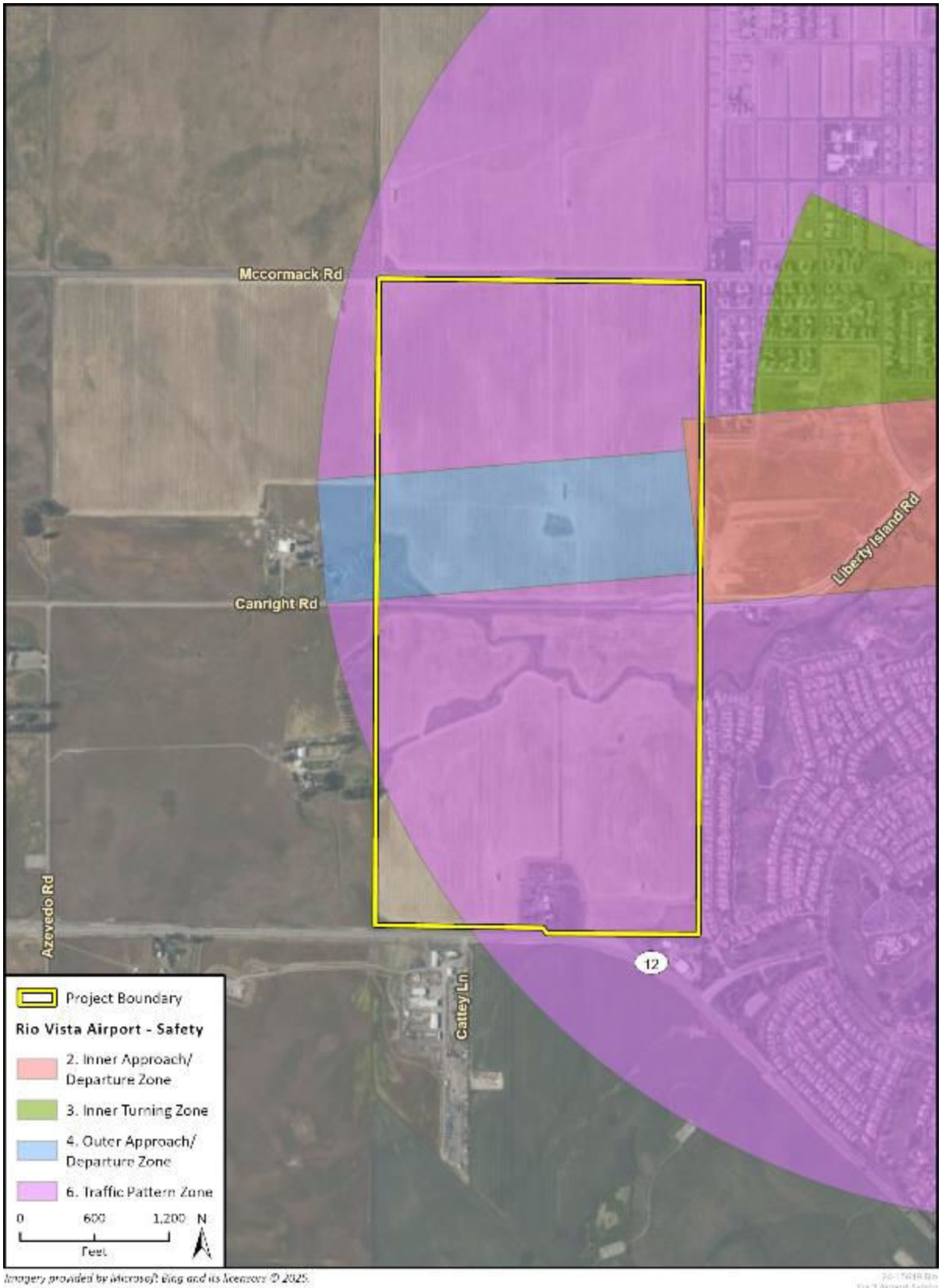
The project site falls within the Inner WHA Boundary for RV Airport. Policy WH-1 of the RV Airport LUCP states that new or expanded land uses involving discretionary review that has the potential to attract wildlife and cause bird strikes are required to prepare a WHA. The RV Airport LUCP also states that reviewing agencies shall prepare a WHA for projects that have the potential to attract wildlife that could cause bird strikes and that expansion of existing wildlife attractants includes newly created areas and increases in enhanced or restored areas. The WHA must demonstrate wildlife attractants that may pose hazards to aircraft in flight will be minimized (Solano County ALUC 2018). Policy WH-3 further states that all discretionary projects located within the Inner WHA Boundary or Outer WHA Boundary are required to consider the potential for the project to attract hazardous wildlife, wildlife movement, or bird strike hazards as part of the environmental review process required by the California Environmental Quality Act.

Travis Air Force Base Land Use Compatibility Zone D

The project site is located within Compatibility Zone D of the TAFB LUCP, which includes all other locations on base protected by Title 14 Code of Federal Regulations Part 77, as well as areas subject to frequent aircraft overflight. As shown in Section 4.6 Compatibility Zone D of the TAFB LUCP, residential, indoor uses, and outdoor uses are not restricted in Zone D. However, uses that create or cause hazards to flight are prohibited.

The TAFB LUCP defines the Bird Strike Hazard Zone and the Outer Perimeter. Within Zone D, for areas within the Bird Strike Hazard Zone, reviewing agencies shall prepare a WHA for projects that have the potential to attract wildlife that could cause bird strikes. For areas outside of the Bird Strike Hazard Zone but within the Outer Perimeter, any new or expanded land use that has the potential to attract the movement of wildlife that could cause bird strikes are required to prepare a WHA. The proposed project is not located in the Bird Strike Hazard Zone or the Outer Perimeter.

Figure 3 Rio Vista Municipal Airport Runway Protection Zones



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Additional data sourced from Rio Vista Airport Authority, 2025.

1.4 Wildlife Hazards Analysis Objectives

Since the project is in the Inner WHA Boundary for the RV Airport, RV Airport LUCP policies WH-1 and WH-3 are applicable to the project. Pursuant to these policies, the objectives of this WHA are to:

- Identify and evaluate the site's existing conditions and potential future conditions for wildlife attractants that may result in wildlife hazards to aircraft in the area
- Identify wildlife species that are known to use the area and could pose a potential risk to aviation safety
- Use the site conditions, local aircraft strike data, and project specific data to identify existing wildlife hazard potential
- Evaluate the potential changes in wildlife attractants and hazard potential that could result from the proposed project
- Provide recommendations for minimizing the project's potential to increase or exacerbate wildlife hazards to aviation

2 Methodology

Preparation of this WHA generally followed the methodology for a Wildlife Hazard Site Visit, as described in the Federal Aviation Administration's (FAA) *Advisory Circlular 150/5200-38, Protocol for the Conduct and Review of Wildlife Hazard Site Visits, Wildlife Hazard Assessments, and Wildlife Hazard Management Plans*. This WHA includes a review of airport and FAA information including aircraft bird strike data, advisory circulars, and existing publicly available data and field observations. Rincon reviewed the following existing data and information:

- FAA *Advisory Circlular 150/5200-33C Hazardous Wildlife Attractants on or near Airports* (FAA 2020)
- Airport Cooperative Research Program Report 32 *Guidebook for Addressing Aircraft/Wildlife Hazards at General Aviation Airports* (2010)
- *Wildlife Strikes to Civil Aircraft in the United States*, 1990-2023 (United States Department of Agriculture [USDA] and FAA 2024)
- Query of the FAA Wildlife Strike Database for the RV Airport
- TAFB Wildlife Strike Data 2000-2022

The FAA *150/5200-33C Hazardous Wildlife Attractants on or near Airports* (FAA 2020) was reviewed for documented guidance on standards for airport wildlife hazard attractants. The Airport Cooperative Research Program Report 32 *Guidebook for Addressing Aircraft/Wildlife Hazards at General Aviation Airports* was reviewed to ascertain wildlife hazard abatement methods that are available to and commonly used by general aviation facilities. The FAA wildlife strike database query for the RV Airport and TAFB strike data from 2000-2022 were reviewed to gain insight on the potentially hazardous species with which the airport and TAFB have documented strikes.

Rincon's Biologist Christian Knowlton conducted periods of data collection at 10 survey points within the study area (Figure 2). The study area is defined as the project site and an approximately 1-mile buffer around the project site. Each survey location was identified as being similar to the habitats within the planned development area and future conditions. Christian visited each location and surveyed for five minutes noting all wildlife observed, the wildlife's behavior, and the wildlife's location in the direction observed from the survey point. Survey visits occurred on February 26, 2025, and February 27, 2025, with midday and evening surveys occurring on February 26 and a morning survey visit occurring on February 27. The surveys were designed and conducted under the supervision of FAA-Qualified Airport Wildlife biologist Travis Belt.

Avian point-count and documented strike data were compiled into Microsoft Excel to facilitate analysis. The data were analyzed to identify avian wildlife and determine the attractants with which the observations were associated. This was accomplished by categorizing the observed avian species into guilds. A guild is a group of species that use environmental resources in similar ways and may not always follow taxonomic classifications. For the purpose of this study, guilds were assigned based on the species' observed foraging behaviors in and around the study area and their responses to common management actions. Identification of the various guilds using the project's environment allowed the biologist to identify what resources to which the guilds are attracted.

3 Results

3.1 Environmental Setting

The project site primarily consists of agricultural land and a farmhouse and accessory structures along the southern boundary and Watson Hollow drainage flowing through the site from west to east. The project site ranges in elevation from approximately 20–58 feet above mean sea level.

In general, the lands surrounding the project area include agriculture to the north and northwest; annual grasslands and mesic (seasonally wet) grasslands to the northwest, west, and south, residential and commercial development to the northwest; and residential, commercial, and golf course development to the east and southeast.

3.2 Land Cover Types and Wildlife Attractants

Food, water, and shelter can attract wildlife to airports and surrounding areas. Vegetative communities and land cover types in an area will influence the type of wildlife that may be attracted to the area. Rincon assessed and mapped the land cover and habitat types in the project area to ascertain the wildlife attractants present. For the purposes of this analysis, it is not important to identify individual plant species, but rather to identify various habitat and land cover types, such as forest, grassland, agricultural field, water, etc. The following land cover types were observed in the study area.

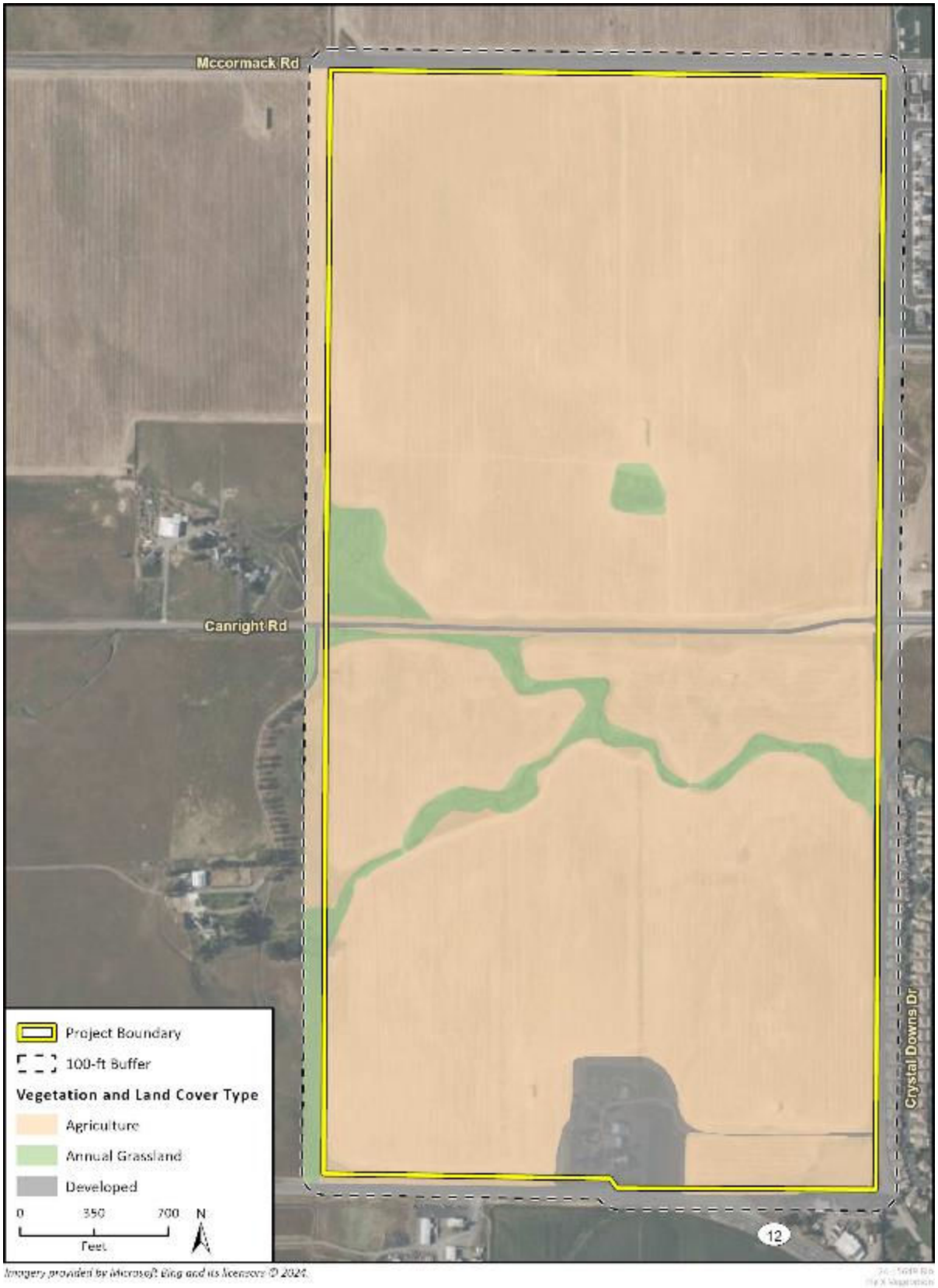
Watson Hollow Drainage

The study area is traversed by Watson Hollow, an intermittent drainage that flows from the east to the west into the Sacramento River. Appendix A includes photos of Watson Hollow and surrounding areas. The lower section of the drainage within the project site holds turbid water seasonally and eventually dries up at the immediate upstream section. The portion of the drainage that contains water has no active flow in the dry season. In the project area, Watson Hollow does not support riparian vegetation. Some of the plant species observed in Watson Hollow during the surveys included cattails (*Typha* spp.) and bull rushes (*Schoenoplectus* sp.), Italian thistle (*Carduus pycnocephalus*), fennel (*Foeniculum vulgare*), shortpod mustard (*Hirschfeldia incana*), Italian ryegrass (*Festuca perennis*), soft brome (*Bromus hordeaceous*), wild oat (*Avena* spp.), fescues (*Festuca* spp.), and willow (*Salix* spp.).

Agriculture

Approximately 294 acres of agriculture used for farming and livestock grazing occurs within the study area. Weed abatement and vegetation management is conducted using routine disking. Routine disturbance from agricultural operations has limited native plant species, and species are largely non-native. Agricultural areas can attract blackbirds and starlings, columbids, raptors, and groundbirds.

Figure 4 Land Cover Types



Annual Grassland

Approximately 15.93 acres of annual grassland occurs on the project site. This habitat type primarily borders Watson Hollow, as agriculture operations are set back from the banks. Trees are largely absent from the site; however, few saplings are present in Watson Hollow (Photos 1 and 4). A burrowing owl was also observed occupying an artificial burrow adjacent to Watson Hollow. Annual grassland can attract blackbirds and starlings, columbids, raptors, groundbirds, wading birds, geese, and gleaning birds along with small and medium sized mammals.

Developed

Approximately 12.3 acres of the project area are developed. The developed land cover within the project site consists of an unoccupied residence and associated structures. The developed area includes agricultural out buildings, landscaped areas, road and parking areas, and otherwise disturbed nonagricultural areas. Landscape plants observed in the developed area included Mexican fan palm (*Washingtonia robusta*), ornamental rose (*Rosa* sp.), eucalyptus, walnut (*Juglans* sp.), and oleander (*Nerium oleander*). Developed areas can attract corvids, gulls, blackbirds and starlings, gleaning birds, and raptors.

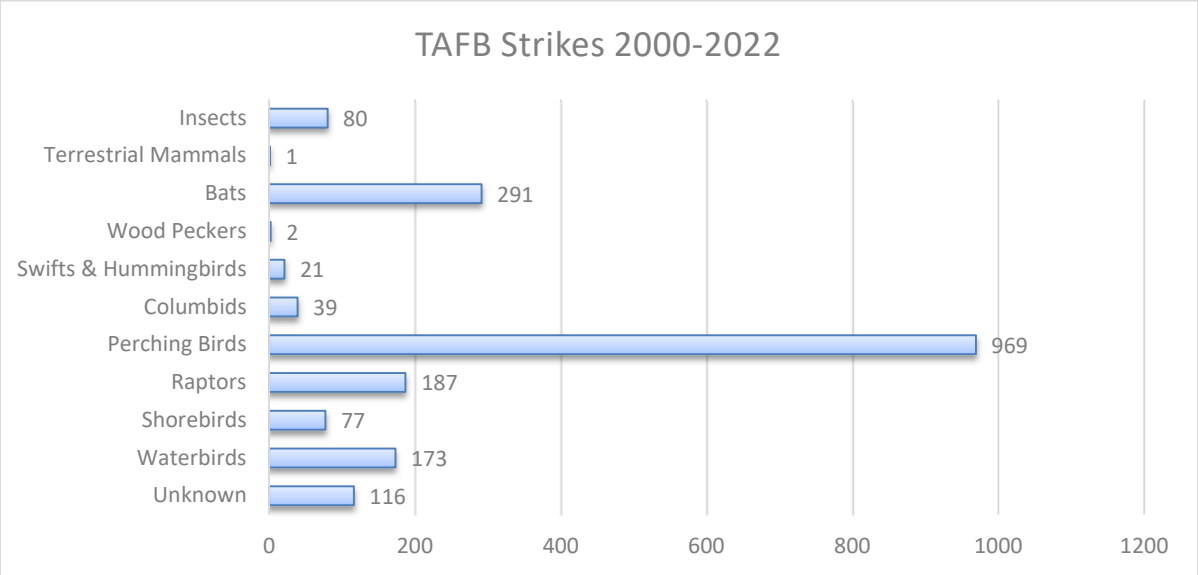
3.3 Wildlife Strike Review

According to the FAA Wildlife Strike Database, RV Airport filed one strike report in October 2011. The strike occurred at night and involved a privately operated aircraft that struck multiple geese. Approximately $25,284 in damages were reported to the prop, wing, and windshield. The recorded strike occurred during climb at approximately 3,800 feet altitude. This strike report provides evidence that geese fly at high altitudes within RV Airport's air space. However, a single strike report provides little insight into species that are commonly attracted to RV Airport's AIA.

Since a single strike report provides limited information on wildlife in RV Airport's AIA, Rincon also reviewed TAFB wildlife strike data for 2000-2022. Although this data is not associated with aircraft using RV Airport, the TAFB strike data provides insight into wildlife that has been documented to be involved with aircraft strikes locally. The following summarizes the 22 years of TAFB strike data.

- Over 1,900 records from TAFB were reviewed.
- Ten wildlife guilds were identified with perching birds being involved in the most aircraft incursions (refer to Graph 1). Perching birds are often attracted to or associated with upland habitat types.
- Upland associated guilds accounted for 83 percent of the reviewed strikes at TAFB. Upland habitats included grassland, woodland, and shrubland habitats. Guilds associated with upland habitats included raptors, perching birds, columbids, swifts and hummingbirds, and woodpeckers.
- Wetland associated guilds including waterbirds and shorebirds accounted for 17 percent of the reviewed strikes at TAFB.

Graph 1 Travis Air Force Base Strikes 2000–2022



3.4 Wildlife Survey

The Brann Ranch WHA survey observed 238 individual birds comprising 24 species and nine guilds. Appendix B includes a list of species observed during the surveys. The morning survey period was the most active with 46 observations including 86 individuals. The evening survey period was second most active with 33 observations, including 72 individuals. The afternoon survey was the least active with 17 observations, including 79 individuals. Avian behaviors increasing in the morning and evening hours is common in California. The survey results are discussed by guild below.

Blackbirds and Starlings

The most common guild observed was blackbirds and starlings which comprised 57.4 percent of the observations. The most abundant species in this guild was European starlings (*Sturnus vulgaris*) comprising 32 percent of all birds observed. The second most abundant species in this guild was red-winged blackbirds (*Agelaius phoeniceus*) comprising 16 percent of birds observed. Blackbirds and starlings were mostly observed making local movements and foraging in the fallow agriculture areas. In the afternoon hours, groups of 10–50 European starlings were observed making local movements in the study area. Due to blackbirds and starlings tendency to travel and forage in large flocks, blackbirds and starlings represent a moderate risk to aircraft safety at RV Airport.

Passerines

Passerines accounted for 11 percent of the observations. This guild includes small avian species that typically forage in tree, shrub, and forb vegetation. Passerine species observed during the surveys included yellow rumped warbler (*Setophaga coronata*), house finch (*Haemorhous mexicanus*), white-crowned sparrow (*Zonotrichia leucophrys*), and similar species. Although passerine species are among the top 33 species commonly struck by aircraft (USDA and FAA 2024), this is due to their presence on airfields. The site is approximately one mile from RV Airport and these species typically fly between foraging sites at low altitudes; therefore, their presence at the site represents a low risk to RV Airport aircraft.

Water Birds and Geese

The waterbird and geese guild accounted for approximately 8 percent of the observations and included Canada goose (*Branta canadensis*), bufflehead (*Bucephala albeola*), hooded merganser (*Lophodytes cucullatus*), and double crested cormorant (*Nannopterum auritum*). These species were largely observed around the pond/waterbody at the Golf Club at Rio Vista. Publicly available data indicates the Canada goose, snow goose (*Anser caerulescens*), cackling goose (*B. hutchinsii*), and greater white fronted goose (*A. albifrons*) frequent the various grasslands, agricultural fields, and mesic areas near the study area November through March. These species come to the Solano County area in large numbers during the winter migration. Due to the size of geese and most waterbirds, their tendency to fly through RV Airport airspace to access waterbodies, and the seasonal influx of migrating flocks, waterbirds and geese represent a high concern to aircraft safety at RV Airport.

Aerial Insectivores

Aerial insectivores accounted for approximately 7 percent of the survey observations. This guild includes Say's phoebe (*Sayornis saya*), black phoebe (*S. nigricans*), and barn swallow (*Hirundo rustica*). Aerial insectivores were observed foraging near the golf course ponds and Watson Hollow. Although barn swallow and other swallow species are among the top 33 species commonly struck by aircraft (USDA and FAA 2024), this is due to their presence on airfields. The site is approximately 1 mile from RV Airport and these species typically fly between foraging sites at low altitudes; therefore, their presence at the site represents a low risk to RV Airport aircraft.

Corvids

Corvids accounted for approximately 5 percent of the survey observations. In the study area, this guild was represented by American crow (*Corvus brachyrhynchos*). American crows were observed in low numbers flying over the site. This species ranks as the 30th most struck species between 1990 and 2023 (USDA and FAA 2024). Due to the relatively large size of American crows, their propensity to make regular flights at high altitudes, and their affinity for urban areas, this species is a moderate risk to RV Airport aircraft.

Ground Birds

Ground birds accounted for approximately 5 percent of the survey observations. This guild was represented by western meadow lark (*Sturnella neglecta*), which was observed foraging in the site and adjacent areas. Although western meadow lark is the eleventh most commonly struck species in the United States (USDA and FAA 2024), this is due to their presence on airfields. The site is approximately 1 mile from RV Airport and this species typically fly between sites at low altitudes; therefore, western meadowlark's and other ground bird species presence at the site represents a low risk to RV Airport aircraft.

Columbids

In the survey area, columbids included Eurasian collared dove (*Streptopelia decaocto)* and rock pigeon (*Columba livia*) which were observed making local movements in the survey area. Columbids accounted for 2.5 percent of the survey observations. Columbids are first (mourning dove) and eighth (rock pigeon) on the list of most struck species in the United States (USDA and FAA 2024). Columbids often travel in flocks, occasionally fly at higher altitudes, and are commonly attracted to

urban areas. Therefore, this species is a moderate risk to RV Airport aircraft if the proposed project increases columbid attraction to the site.

Raptors

Raptors including red-tailed hawk (*Buteo jamaicensis*), burrowing owl (*Athene cunicularia*), and American kestrel (*Falco sparverius*) accounted for 2.5 percent of the observations. Burrowing owl typically fly at low altitude; therefore, their presence in the study area is of low risk to aircraft at RV Airport. Red-tailed hawk and American kestrel are attracted to the site for foraging. Red-tailed hawks are larger raptors and are the nineth most frequently struck species in the United States (USDA and FAA 2024). Due to their size, strikes with red-tailed hawks are moderate risk to aircraft safety at RV Airport. American kestrel are small raptors but are the fourth most frequently struck species in the United States (USDA and FAA 2024), due to their common presence on airfields. American kestrels typically forage at low altitude; therefore, their presence in the study area is of low risk to aircraft at RV Airport.

Wading Birds

Wading birds accounted for less than 1 percent of the observations. One observation of great egret (*Ardea alba*) at the golf course pond was recorded. Great egret and other wading birds are large and make long, high altitude flights between attractants. However, they are generally solitary and are not involved in a lot of strikes in the United States, with exception to cattle egret (*Bulbulcus ibis*). Wading birds are not generally attracted to urban areas. Therefore, despite their size and potential to fly through aviation airspace, it is unlikely that the proposed project would increase attraction to wading birds provided the detention basin features were designed to hold water for a minimal period.

4 Discussion and Recommendations

The Brann Ranch development lies in the RV Airport AIA. This study provides a baseline of pre-project data on wildlife attractants and avian uses of the proposed project area and assesses the potential for the project to increase or decrease wildlife attraction to the proposed project site. This study, publicly available data, and local knowledge of the area indicates that a high degree of bird activity already exists within the WHA boundaries of the RV Airport and the project area.

Avian activity in the area fluctuates during the seasons with geese and waterbirds migrating in the winter months and blackbirds and starlings congregating in the late summer months. The migrating geese are attracted to grazing opportunities in the grasslands, mesic areas, and agricultural areas. Surveys conducted in support of this WHA indicate that resident geese are attracted to local waterbodies, such as those occurring at the nearby Golf Club at Rio Vista. Blackbirds and starlings, raptors, ground birds, columbids, and wading birds are also attracted to the grasslands, mesic areas, and agricultural areas in the site and surrounding lands. Blackbirds and starlings, columbids, corvids, and certain passerines are also commonly attracted to urban areas.

The transition from agricultural, grassland, and mesic areas to urban development is anticipated to reduce the sites attractiveness to geese and waterbirds, ground birds, raptors, wading birds, and certain passerines. The reduced attraction is anticipated to result from the loss of foraging, shelter, and nesting habitat in the site. Considering the existence of the Golf Club at Rio Vista development west of the airport that included residential uses and a golf course with water bodies, the Brann Ranch development is not likely to increase the risk from bird strikes as compared to the existing conditions. Since the site is 1 mile removed from the RV Airport, the presence of low flying passerines, aerial insectivores, ground birds, and burrowing owl at the site have little effect on RV Airport's aviation safety under current conditions. The effect of these guilds on RV Airport in post-project conditions is not expected to increase.

4.1 Recommended Minimization Measures

The urbanization that would result from the Brann Ranch development may decrease strike risk due to the anticipated decreased foraging, shelter, and nesting opportunities. However, some avian guilds are adapted to succeed in urban environments. Corvids, blackbirds and starlings, columbids, and certain passerines are expected to frequent the Brann Ranch area following development of the site. The following recommendations provide measures to reduce the site's attraction to these and other avian guilds.

Design Considerations

The following design considerations for the Brann Ranch Development may serve to minimize wildlife attraction in the long term.

Detention Basin and Bio-Retention Systems

Three detention basins and three bio-retention areas are proposed. Detention basins and bio-retention areas that hold water for extended periods of time may develop habitat that can attract a variety of species. Reeds and cattails along the banks and shallow areas of the waterbody can attract blackbirds. Goose, duck, and waterfowl species may be attracted to forage within the water.

Wading birds, such as egrets and herons may forage along the banks of the detention basin and/or the bio retention features. Red-Winged blackbirds, mallards, may nest along the banks of the detention basins and bio retention systems. Due to the location of the site in the RV Airport LUCP Zones 4 and 6, these attractants could promote avian flights through the RV Airport airspace to access the attractants. The following measures are proposed to reduce the avian attraction to these stormwater features.

- Stormwater detention basins that are proposed should be designed for a maximum 24-hour detention period for the design storm and remain dry between storms. If a 24-hour detention period is unattainable due to site conditions, the detention period should be reduced to the minimum attainable period allowed by the site conditions. Retention basins that are designed to hold water for extended periods should be prohibited.
- Bio-retention areas should be planted with perennial grasses and forbs and exclude tree and shrub species. Excluding trees and shrubs will reduce attractiveness to perching birds and reduce nesting opportunities.
- Where applicable, drainage ditches, detention basins, and other non-bio retention systems should be designed to be as deep as possible and have steep sides (approximately 2:1), side substrate of rock or concrete, no vegetation, and minimal water surface area. This will deter wading birds from standing on the banks and waterbirds from landing on open water. Drainage ditches and detention basins must be easily maintained to be void of vegetation. Drainpipes, culverts, and screens should be easily maintainable so they can be kept clear of debris and drainage is not impeded.

Above Ground Power and Communications Structures

Above ground power and communications structures may attract avian species for perching and nesting opportunities. The proposed project should minimize the installation of new power poles and aboveground (aerial) electrical and/or communications wires. To the extent feasible, new electrical and/or communication lines should be installed underground. If above-ground structures are required, the above-ground structures should include anti perching devices.

Community Parks and Public Open Space Areas

Community parks and public open space areas among urban sites attract avian species that are adapted to urban environments. These species are attracted to the parks and open spaces for foraging opportunities that are often presented by park users feeding the wildlife, poorly covered or managed trash receptacles, fruit bearing landscapes, and water features. The project designs for community parks and public open space areas should include the following considerations:

- Include clearly visible “Do Not Feed Wildlife” signage. In addition, strategically placed informational kiosks discussing the risks to wildlife and aviation safety that results from feeding wildlife should be placed in public gathering areas, such as picnic areas, public restrooms, and concession stands.
- Publicly available trash receptacles should be designed to be always closed and include automatically closing tops so that trash receptacles are not left open for wildlife to forage.
- Community parks and open space management should prohibit the inclusion of domestic waterfowl “duck ponds.” Community parks and open space areas should not allow public drop-off or abandonment of unwanted waterfowl pets or seek to promote the congregation of domestic waterfowl. Any water features in public parks should be monitored at least four times

per year by the City of Rio Vista or Solano County Animal Control Services to ensure that domestic waterfowl do not congregate at public park and/or open space water features, if present. If congregations of domestic waterfowl are observed, the domestic waterfowl should be removed.

- Landscaping used in community parks should prohibit the use of fruit bearing trees and shrubs.
- Landscape trees in community parks should be maintained to include open canopies or maximized air space to reduce avian roosting. Pruning should target dead branches and accumulated leafy debris and discourage horizontal branching and promote vertical branching.
- Development of community gardens should be prohibited in ALUC Zone 4 (Parcel A).

Jurisdictional Waters Mitigation Areas

The proposed site plan includes three crossings of Watson Hollow that are anticipated to require jurisdictional waters permitting and subsequent mitigation. If mitigation is conducted on-site and includes the preparation and implementation of a Habitat Mitigation and Monitoring Plan (HMMP) or other plan for habitat restoration, enhancement, or creation, the HMMP or restoration plan should include the following considerations:

- **Riparian Habitats:** Riparian communities increase edge habitats and nesting, sheltering, and foraging opportunities for numerous avian guilds. Creation or introduction of new riparian habitats should be avoided within 5,000 feet of the Rio Vista Air Operations Area. If riparian communities are created, restored, or enhanced within 5,000 feet of the Air Operations Area the following design standards should be included in the HMMP or restoration plan:
  - The HMMP should seek to maintain the ephemeral flow regime of Watson Hollow.
  - The desired mature tree canopy layer should be open and reduce overlapping canopies. Tree spacing should be a minimum of 20 feet on-center.
  - *Acer, Alnus, Fraxinus, Quercus, Platanus,* and *Pinus* tree species should be encouraged.
  - The use of fruit and nut-bearing tree and shrub species in the *Prunus, Sambucus, Cornus, Rubus,* and *Juglans* genera should be minimized.
  - Mature trees should be pruned to achieve an open and *airy* canopy that lacks accumulated dead material. Pruning should target dead branches and accumulated leafy debris. Pruning should seek to discourage horizontal branching and promote vertical branching. The goal is to reduce perching, nesting, and shelter opportunities in the tree canopy.
  - Dead snags should be removed to reduce perching habitat.
  - Dense *Salix* and/or *Cornus* thickets should be separated by a minimum of 100 linear feet between each thicket. When mature, dense *Salix* and/or *Cornus* thickets should not exceed 10 percent cover of the restoration/mitigation area.
  - Nesting boxes, guzzlers, and other attractants that may concentrate wildlife activity should be prohibited.

Site Development Avian Dispersal

Construction of the proposed project will require temporary land disturbances during site development, which can expose local fossorial and other terrestrial wildlife. Opportunistic avian species, such as gulls and corvids may be attracted to the site during and immediately following grading for the foraging opportunity presented by the exposed wildlife. Scavenging birds may fly in from any direction to access the foraging opportunity created by exposing injured small mammals,

invertebrates, and other organisms. These avian flights may pass through Rio Vista aircraft flight patterns. The increase in avian activity associated with scavenging would dissipate following the initial grading disturbances. In the short term, the altered avian flights associated with scavenging could increase the potential for strikes with aircraft in the area. The following measure is recommended to reduce the temporary attraction of opportunistic species during site grading:

- During construction, a qualified individual should be present to implement avian dispersal methods, as needed during and immediately following initial grading activities. The need for avian dispersal methods may be determined by a qualified monitor that is retained by the project applicant. Avian dispersal methods may include pyrotechnic use, lasers, or falconry. Dogs may be used if the project's regulatory permits allow dogs to be on-site. Predator decoys, flagging tape, or other visual deterrents are ineffective and may not substitute for active dispersal methods.

Post-Site Development Considerations

Community Refuse Management

The conversion of open space habitats to urban areas that would result from the project may attract avian guilds that have adapted to urban environments, such as gulls, blackbirds, and columbids. These avian guilds are opportunistic scavengers that are attracted to urban refuse. The following recommendations are included to minimize the potential increased attraction of these opportunistic foragers:

- The community's refuse collection containers should include closeable lids.
- The community refuse collection vehicles should be always covered.
- Transfer stations, tipping areas, or other refuse collection sites should not be included in the site designs.

Wildlife Management Coordination

Upon completion of the site development, the resident wildlife in the area will likely adjust their movements and behaviors to adapt to the newly developed urban attractants. In some cases, colony nesting birds, flocking birds, roosting birds, or other potentially hazardous wildlife may be attracted to the site, which could conflict with aircraft flight patterns in the area. Upon completion and of the project improvements by the developer and acceptance by the City, the City will maintain the parks, open space, retention areas, and Watson Hollow. The following measures are recommended to develop a cooperative agreement between the City of Rio Vista and RV Airport for the long-term monitoring and management of potentially hazardous species using the area.

- Should the above avoidance measures not fully mitigate bird strike risk produced from the Brann Ranch improvements, the City of Rio Vista shall assign a Wildlife Management Coordinator.
- The Wildlife Coordinator may be City staff, RV Airport staff, or contracted staff. The Wildlife Coordinator would serve as direct contact for RV Airport Operations staff to discuss and address potential wildlife hazard concerns.
- The Wildlife Coordinator should be required to attend FAA-approved or Bird/Wildlife Aircraft Strike Hazard training. The intent of the training would be to introduce the Wildlife Coordinator to hazardous wildlife species and attractant management program objectives and methods,

concerns regarding wildlife hazards, and lines of communication with RV Airport regarding wildlife hazards.

- The Wildlife Coordinator should attend annual wildlife hazard meetings with RV Airport Operations staff to discuss wildlife hazard-related issues that may arise.
- In coordination with RV Airport Operations staff, the Wildlife Coordinator should monitor wildlife activity in the community quarterly. Wildlife uses and movements in the area will change as conditions change. The Wildlife Coordinator should track the changes in wildlife uses to assist the City of Rio Vista and RV Airport staff in determining if implementation of management techniques is necessary. This would require conducting regular surveys of the wildlife attractants in the community, documenting the observations, and providing the data to RV Airport Operations staff. In coordination with RV Airport Operations staff, the Wildlife Coordinator should review the data annually to identify changes in the wildlife uses and assist in identifying adaptive management actions, as necessary.
    - If the Wildlife Coordinator and RV Airport Operations staff determines that the presence of wildlife using the community poses a threat to local aircraft, the Wildlife Coordinator in coordination with RV Airport Operations staff should have the ability to access the concerning wildlife attractants and implement wildlife deterrent methods or other adaptive management actions to address the hazards. The project's management actions, goals, and objectives should not limit the RV Airport's ability to accomplish their missions of providing safe aviation.

5 References

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Solano County 2018. Rio Vista Airport Airport Land Use Compatibility Plan (RV Airport LUCP). Adopted May 10, 2018

United States Department of Agriculture (USDA) and Federal Aviation Administration (FAA). 2024 Wildlife Strikes to Civil Aircraft in the United States, 1990-2023. FAA National Wildlife Strike Database Serial Report Number 30. Report of the Associate Administrator of Airports Office of Airport Safety and Standards Airport Safety & Certification Washington, DC.

Appendix A

Representative Site Photographs



Photograph 1. East view of Watson Hollow with turbid water, no flow and no canopy cover.



Photograph 2. North view of the drainage with water present, vegetation along the bank sides, and absence of cover.



Photograph 3. View of Watson Hollow with agricultural lands surrounding.



Photograph 4. View of Watson Hollow with agricultural lands surrounding.

Appendix B

Avian Species Observed

Common Name	Scientific Name	Alpha Code
American crow	*Corvus brachyrhynchos*	AMCR
American kestrel	*Falco sparverius*	AMKE
Barn swallow	*Hirundo rustica*	BARS
Black phoebe	*Sayornis nigricans*	BLPH
Brewers blackbird	*Euphagus cyanocephalus*	BRBL
Bufflehead	*Bucephala albeola*	BUFF
Burrowing owl	*Athene cunicularia*	BUOW
Canada goose	*Branta canadensis*	CANG
Double-crested cormorant	*Nannopterum auritum*	DCCO
Eurasian collared dove	*Streptopelia decaocto*	EUCD
European starling	*Sturnus vulgaris*	EUST
Great egret	*Ardea alba*	GREG
House finch	*Haemorhous mexicanus*	HOFI
Hooded merganser	*Lophodytes cucullatus*	HOME
Lark sparrow	*Chondestes grammacus*	LASP
Northern mockingbird	*Mimus polyglottos*	NOMO
Rock pigeon	*Columba livia*	ROPI
Red-tailed hawk	*Buteo jamaicensis*	RTHA
Red-winged blackbird	*Agelaius phoeniceus*	RWBL
Say's Phoebe	*Sayornis saya*	SAPH
White-crowned sparrow	*Zonotrichia leucophrys*	WCSP
Western meadowlark	*Sturnella neglecta*	WEML
Yellow-rumped warbler	*Setophaga coronata*	YRWA