



STATE OF
COLORADO

Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

RE: Notice of Complete Application for Permit: M2023025 Revision: TR1

1 message

JC York <jcyork@j-tconsulting.com>

Mon, Aug 4, 2025 at 2:25 PM

To: "Gagnon - DNR, Nikie" <nikie.gagnon@state.co.us>

Cc: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>

Nikie –

Per our phone conversation. Here are the pdfs of the technical revision letters and appendices that should have everything in them. I have also attached the information provided by Stewart Environmental for the field data they recorded during the sampling for each pit. Let me know if you need anything else.

Regards,

J.C.

J.C. York, P.E.

J&T Consulting, Inc.

305 Denver Avenue, Suite D

Fort Lupton, CO 80621

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From: JC York

Sent: Monday, August 4, 2025 12:59 PM

To: Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

Subject: RE: Notice of Complete Application for Permit: M2023025 Revision: TR1

Sweet Valley Pit - Monitoring Well Readings and Sampling

Date: Jul 1 2024

Well Designation

Description

Top of Well Elevation

Ground Elevation

Date

7/1/2024

Field Readings

pH

Cond

Temp

ORP

Turb;

Existing Monitor Well			JT MW-1			JT-MW-2			JT-MW-3		
Southwest Corner			Northwest Corner			Northeast Corner			Southeast Corner		
4765.11			4754.77			4757.78			4763.64		
4762.38			4752.57			4755.56			4761.50		
Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)
18.10	15.37	4747.01	17.10	14.90	4737.67	17.50	15.28	4740.28	16.20	14.06	4747.44
1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
7.46	7.47	7.47	7.74	7.62	7.70	7.46	7.45	7.50	7.58	7.40	7.54
1154	1193	1228	1262	1301	1274	1212	1250	1264	1149	1180	1188
20.3	18.0	16.9	22.7	19.3	21.0	21.4	18.7	19.1	18.1	16.8	17.4
850	834	800	768	818	886	884	895	911	904	951	939
NA	NA	NA	55	304	351	896	92	12	59	619	597

Date:

Oct 9 2024

Well Designation

Description

Top of Well Elevation

Ground Elevation

Date

10/9/2024

Field Readings

pH

Cond

Temp

ORP

Turb;

Existing Monitor Well			JT MW-1			JT-MW-2			JT-MW-3		
Southwest Corner			Northwest Corner			Northeast Corner			Southeast Corner		
4763.45			4754.77			4757.78			4763.64		
4762.38			4752.57			4755.56			4761.50		
Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)
15.60	14.53	4747.85	11.50	10.43	4751.95	12.70	10.50	4742.07	14.10	11.96	4749.54
1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
7.25	6.93	6.90	7.01	6.83	6.74	7.33	7.00	6.95	7.84	6.89	6.86
1208	1277	1327	1368	1458	1559	1171	1223	1258	1115	1154	1172
22.8	20.8	19.3	20.7	18.4	18.0	22.5	20.5	19.3	22.2	19.3	18.5
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
885	1100	501	516	669	375	70	17	16	6	16	61

Note: Top of Well Elev for Existing Well change

Date:

Jan 23, 2025

Well Designation

Description

Top of Well Elevation

Ground Elevation

Date

1/23/2025

Field Readings

pH

Cond

Temp

ORP

Turb;

Existing Monitor Well			JT MW-1			JT-MW-2			JT-MW-3		
Southwest Corner			Northwest Corner			Northeast Corner			Southeast Corner		
4763.45			4754.77			4757.78			4763.64		
4762.38			4752.57			4755.56			4761.50		
Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)
17.78	16.71	4745.67	21.49	19.29	4751.95	20.14	17.92	4742.07	18.27	16.13	4745.37
1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
7.91	7.65	7.39	7.79	7.33	7.24	8.05	7.39	7.39	8.13	7.65	7.11
1404	1324	1308	1530	1444	1381	1525	1376	1350	1361	1265	1274
7.6	10.2	10.7	9.1	11.8	12.3	7.4	10.6	11.3	8.3	10.7	10.8
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	54	8	36	89	17	11	27	94	415	72	117

Date:

9-May-25

Well Designation

Description

Top of Well Elevation

Ground Elevation

Date

5/9/2025

Field Readings

pH

Cond

Temp

ORP

Turb;

Existing Monitor Well			JT MW-1			JT-MW-2			JT-MW-3		
Southwest Corner			Northwest Corner			Northeast Corner			Southeast Corner		
4763.45			4754.77			4757.78			4763.64		
4762.38			4752.57			4755.56			4761.50		
Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)
18.30	17.23	4745.15	18.40	16.20	4751.95	17.30	15.08	4742.07	22.70	20.56	4740.94
1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
7.16	7.04	6.42	7.12	7.03	6.94	8.05	7.53	7.39	8.26	7.75	8.08
1148	1186	1183	1400	1322	1333	1525	1376	1350	1467	1485	1537
18.8	17.2	17.2	15.3	14.8	14.6	7.4	10.6	11.3	14.3	14.0	12.8
431	434	436	548	554	547	NA	NA	NA	452	505	529
3	23	18	11	14	15	11	27	94	833	771	835



J&T Consulting, Inc.

June 30, 2025

Ms. Nikie Gagnon
Environmental Protection Specialist
State of Colorado
Division of Reclamation, Mining, & Safety

Physical Address:

1313 Sherman Street, Room 215
Denver, CO 80203

Mailing Address:

Division of Reclamation, Mining and Safety, Room 215
1001 East 62nd Avenue
Denver, CO 80216

*RE: Central Colorado Water Conservancy District – Sweet Valley Pit – Technical Revision No. 1
Request File No. M-2024-015*

Dear Ms. Gagnon,

Central Colorado Water Conservancy District (CCWCD) requests a revision to their existing permit to address the following items:

Revised Water Quality Testing: Revision of the existing permit to reduce the water quality testing from quarterly to twice a year. We believe a test in October during higher groundwater levels (based on observed levels to date) and test in March during lower ground water levels (based on observed levels to date) would be reasonable. Revision of the existing permit to reduce the water quality testing elements to those that have tested at or above the Table 41 CDPHE limits (see attached spreadsheet for information). Per the existing permit Monitor Well 3 located on the southeast side of the permit boundary will be used as a background water quality sampling location and the remaining three monitoring wells as points of compliance (POC), the POCs will be the Existing Monitor Well and Monitor Wells 1, and 2.

The past five quarters we have taken test samples and recorded baseline levels per the water quality testing requirements for the original permit. We have attached the data in the attached spreadsheets showing which elements we believe should remain in the testing and the highlighted elements that have met or been lower than the Table 41 CDPHE limits.

We are also including the monitor well measurements and charts showing the seasonal groundwater fluctuations in levels and elevations.

This letter will serve as notice to the DRMS that CCWCD requests a technical revision to update the existing permit water quality testing.

CCWCD appreciates your consideration of this revision request and looks forward to your response.



- 2 -

Please feel free to contact me with any questions or comments.

Sincerely,



J.C. York, P.E.

J&T Consulting, Inc.

Attachments:

Water Quality Testing Spreadsheet – Last 5 quarters of data and information on elements sampled and tested.

SGS Lab Testing Reports

Groundwater Monitoring Levels for Sweet Valley Pit

Monitor Well Location Map

cc: CCWCD
File



Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025
			Q1	Q2	Q3	Q4	Q1
			Result (mg/l)	Results (mg/l)	Result (mg/l)	Results (mg/l)	Result (mg/l)
1	Fluoride	2	1.2	1.1	1	0.96	1
	Chloride	250	151	156	216	80.7	169
	Sulfate	250	188	179	239	279	206
	Nitrogen, Nitrate (NO3)	10	3.4				
	Nitrogen, Nitrite (NO2)	1	<0.040				
	Nitrogen + Nitrate as Nitrogen	10	3.4		13.4	6	5.9
	Solids, Total Dissolved	X	709	745	910	725	700
Dissolved Metal Analysis							
	Aluminum	5	<0.1	<0.05	0.0551	<0.05	<0.05
	Antimony	0.006	<0.03	<0.0004	<0.0004	<0.0004	<0.0004
	Arsenic	0.01	<0.025	0.00053	0.00071	0.0004	0.00068
	Barium	2	0.062	0.135	0.088	0.0737	0.0992
	Beryllium	0.004	<0.01	<0.0002	<0.0002	<0.0002	
	Boron	0.75	0.209	0.209	0.222	0.218	0.19
	Cadmium	0.005	<0.01	<0.0001	<0.0001	<0.0001	<0.0001
	Chromium	0.1	<0.01	<0.002	<0.002	<0.002	<0.002
	Cobalt	0.05	<0.005	0.00044	0.00041	0.00042	<0.0002
	Copper	0.2	<0.01	<0.002	<0.002	0.0026	<0.002
	Iron	0.3	<0.07	<0.02	0.0502	<0.02	<0.02
	Lead	0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
	Lithium	2.5	0.0224	0.0261	0.0351	0.0193	0.0206
	Manganese	0.05	<0.005	0.0116	0.0175	0.031	0.0096
	Mercury	0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Molybdenum	0.21	<0.01	0.0033	0.003	0.004	0.0028
	Nickel	0.1	<0.03	0.0024	0.002	0.002	<0.002
	Selenium	0.02	<0.05	0.0014	0.0014	0.0006	0.001
	Silver	0.05	<0.03	<0.0001	<0.0001	<0.0001	<0.0001
	Thallium	0.002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
	Uranium	0.03	<0.05	0.0072	0.0105	0.0051	0.0039
	Vanadium	0.1	<0.01	<0.001	0.0012	<0.001	0.0012
	Zinc	2	<0.03	<0.01	<0.01	<0.01	<0.01

Means meets regulation

Element	Recommendation
Sulfate	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Nitrogen + Nitrate	
Iron	
TDS	

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025
			Q1 Result (mg/l)	Q2 Results (mg/l)	Q3 Result (mg/l)	Q4 Results (mg/l)	Q1 Result (mg/l)
2	Fluoride	2	Not Available	1	0.57	1	0.9
	Chloride	250		194	168	171	161
	Sulfate	250		226	199	201	193
	Nitrogen, Nitrate (NO3)	10					
	Nitrogen, Nitrite (NO2)	1					
	Nitrogen + Nitrate as Nitrogen	10			4.6	3.8	1.6
	Solids, Total Dissolved	X		874	727	669	683
	Dissolved Metal Analysis						
	Aluminum	5		<0.05	0.0545	<0.05	<0.05
	Antimony	0.006		<0.0004	<0.0004	<0.0004	<0.0004
	Arsenic	0.01		0.00054	0.00027	0.00028	0.00029
	Barium	2		0.138	0.0558	0.0442	0.0508
	Beryllium	0.004		<0.0002	<0.0002	<0.0002	
	Boron	0.75		0.21	0.203	0.193	0.205
	Cadmium	0.005		<0.0001	<0.0001	<0.0001	<0.0001
	Chromium	0.1		<0.002	<0.002	<0.002	<0.002
	Cobalt	0.05		0.00067	0.00025	0.00029	<0.0002
	Copper	0.2		<0.002	<0.002	<0.002	<0.002
	Iron	0.3		<0.02	0.536	<0.02	<0.02
	Lead	0.05		<0.0005	<0.0005	<0.0005	<0.0005
	Lithium	2.5		0.0266	0.0284	0.0147	0.0138
	Manganese	0.05		0.0124	0.0053	0.012	0.0083
	Mercury	0.002		<0.0001	<0.0001	<0.0001	<0.0001
	Molybdenum	0.21		0.0032	0.0015	0.0018	0.0017
	Nickel	0.1		0.0028	<0.002	<0.002	<0.002
	Selenium	0.02		0.0013	0.0011	0.0012	0.0013
	Silver	0.05		<0.0001	<0.0001	<0.0001	<0.0001
	Thallium	0.002		<0.0002	<0.0002	<0.0002	<0.0002
	Uranium	0.03		0.0071	0.0146	0.0132	0.0129
	Vanadium	0.1		<0.001	<0.001	<0.001	<0.001
	Zinc	2		<0.01	<0.01	<0.01	<0.01

Means meets regulation

Element	Recommendation
Sulfate	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Nitrogen + Nitrate	
Iron	
TDS	

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025
			Q1	Q2	Q3	Q4	Q1
			Result (mg/l)	Results (mg/l)	Result (mg/l)	Results (mg/l)	Result (mg/l)
3	Fluoride	2	0.86	0.83	0.81	1.3	0.99
	Chloride	250	165	172	151	153	173
	Sulfate	250	193	192	195	181	212
	Nitrogen, Nitrate (NO3)	10	4				
	Nitrogen, Nitrite (NO2)	1	<0.040				
	Nitrogen + Nitrate as Nitrogen	10	4		2.9	3.2	8.2
	Solids, Total Dissolved	X	723	731	665	639	796
	Dissolved Metal Analysis						
	Aluminum	5	<0.1	<0.05	0.0526	<0.05	<0.05
	Antimony	0.006	<0.03	<0.0004	<0.0004	<0.0004	<0.0004
	Arsenic	0.01	<0.025	0.00025	0.00028	0.0005	0.00046
	Barium	2	0.0513	0.0608	0.0477	0.0424	0.0696
	Beryllium	0.004	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
	Boron	0.75	0.191	0.2	0.208	0.203	0.219
	Cadmium	0.005	<0.01	<0.0001	<0.0001	<0.0001	<0.0001
	Chromium	0.1	<0.01	<0.002	<0.002	<0.002	<0.002
	Cobalt	0.05	<0.005	0.00032	0.00029	0.00039	0.00024
	Copper	0.2	<0.01	<0.002	<0.002	0.0078	<0.002
	Iron	0.3	<0.07	<0.02	0.0342	<0.02	<0.02
	Lead	0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
	Lithium	2.5	0.0151	0.0183	0.0256	0.0216	0.0235
	Manganese	0.05	<0.005	0.0013	0.0076	0.0395	0.0199
	Mercury	0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Molybdenum	0.21	<0.01	0.0015	0.0014	0.0074	0.0056
	Nickel	0.1	<0.03	<0.002	<0.002	<0.002	<0.002
	Selenium	0.02	<0.05	0.0011	<0.0004	0.0012	0.0013
	Silver	0.05	<0.03	<0.0001	<0.0001	<0.0001	<0.0001
	Thallium	0.002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
	Uranium	0.03	<0.05	0.0139	0.0153	0.0066	0.0129
	Vanadium	0.1	<0.01	<0.001	<0.001	<0.001	<0.001
	Zinc	2	<0.03	<0.01	<0.01	<0.01	<0.01

Means meets regulation

Element	Recommendation
Sulfate	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Nitrogen + Nitrate	
Iron	
TDS	

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025
			Q1 Result (mg/l)	Q2 Results (mg/l)	Q3 Result (mg/l)	Q4 Results (mg/l)	Q1 Result (mg/l)
4	Fluoride	2	Not Available	0.83	1	1	1
	Chloride	250		124	174	153	154
	Sulfate	250		179	212	201	192
	Nitrogen, Nitrate (NO3)	10					
	Nitrogen, Nitrite (NO2)	1					
	Nitrogen + Nitrate as Nitrogen	10		8	2.6	2.7	
	Solids, Total Dissolved	X		687	808	656	639
	Dissolved Metal Analysis						
	Aluminum	5		<0.05	<0.05	<0.05	<0.05
	Antimony	0.006		<0.0004	<0.0004	<0.0004	<0.0004
	Arsenic	0.01		0.00029	0.0006	0.00027	0.00026
	Barium	2		0.0479	0.052	0.0403	0.035
	Beryllium	0.004		<0.0002	<0.0002	<0.0002	<0.0002
	Boron	0.75		0.201	0.207	0.205	0.167
	Cadmium	0.005		<0.0001	<0.0001	<0.0001	<0.0001
	Chromium	0.1		<0.002	<0.002	<0.002	<0.002
	Cobalt	0.05		0.00027	0.00037	0.00033	<0.0002
	Copper	0.2		<0.002	<0.002	0.0023	<0.002
	Iron	0.3		<0.02	<0.02	<0.02	<0.02
	Lead	0.05		<0.0005	<0.0005	<0.0005	<0.0005
	Lithium	2.5		0.0156	0.0322	0.0119	0.0109
	Manganese	0.05		0.0083	0.0476	0.0134	0.0055
	Mercury	0.002		<0.0001	<0.0001	<0.0001	<0.0001
	Molybdenum	0.21		0.0014	0.0032	0.0018	0.0013
	Nickel	0.1		<0.002	<0.002	<0.002	<0.002
	Selenium	0.02		0.00065	0.00093	<0.0004	<0.0004
	Silver	0.05		<0.0001	<0.0001	<0.0001	<0.0001
	Thallium	0.002		<0.0002	<0.0002	<0.0002	<0.0002
	Uranium	0.03		0.0153	0.0089	0.0143	0.0123
	Vanadium	0.1		<0.001	<0.001	<0.001	<0.001
	Zinc	2		<0.01	<0.01	<0.01	0.0249

Means meets regulation

Element	Recommendation
Sulfate	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Nitrogen + Nitrate	
Iron	
TDS	

Sweet Valley Pit
23038
SGS Testing

Sweet Valley Pit
23038
SGS Testing
Quarter 1 2024

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

J&T Consulting

Material Sites WQ Testing

SGS Job Number: DA62542

Sampling Date: 03/01/24

Report to:

J&T Consulting Inc
305 Denver Avenue Suite D
Fort Lupton, CO 80621
jcyork@j-tconsulting.com

ATTN: JC York

Total number of pages in report: 59



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Kelly Blanchard 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID:	SWEET VALLEY PIT (MW-1)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-5	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	1.2	0.20	mg/l	2	03/01/24 23:10	MB	SW846 9056A
Chloride	151	5.0	mg/l	10	03/01/24 23:24	MB	SW846 9056A
Nitrogen, Nitrite ^a	< 0.040	0.040	mg/l	10	03/01/24 23:24	MB	SW846 9056A
Nitrogen, Nitrate	3.4	0.10	mg/l	10	03/01/24 23:24	MB	SW846 9056A
Sulfate	188	5.0	mg/l	10	03/01/24 23:24	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^b	3.4	0.14	mg/l	1	03/01/24 23:24	MB	SW846 9056A
Solids, Total Dissolved	709	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
 (b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: SWEET VALLEY PIT (MW-1)**Lab Sample ID:** DA62542-5F**Date Sampled:** 03/01/24**Matrix:** AQ - Groundwater Filtered**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	62.0	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	209	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

Client Sample ID: SWEET VALLEY PIT (MW-1)
Lab Sample ID: DA62542-5FC
Matrix: AQ - Groundwater Filtered
Project: Material Sites WQ Testing

Date Sampled: 03/01/24
Date Received: 03/01/24
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	22.4	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SWEET VALLEY PIT (MW-3)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-6	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	0.86	0.20	mg/l	2	03/01/24 23:38	MB	SW846 9056A
Chloride	165	5.0	mg/l	10	03/01/24 23:52	MB	SW846 9056A
Nitrogen, Nitrite ^a	< 0.040	0.040	mg/l	10	03/01/24 23:52	MB	SW846 9056A
Nitrogen, Nitrate	4.0	0.10	mg/l	10	03/01/24 23:52	MB	SW846 9056A
Sulfate	193	5.0	mg/l	10	03/01/24 23:52	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^b	4.0	0.14	mg/l	1	03/01/24 23:52	MB	SW846 9056A
Solids, Total Dissolved	723	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
 (b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: SWEET VALLEY PIT (MW-3)**Lab Sample ID:** DA62542-6F**Matrix:** AQ - Groundwater Filtered**Date Sampled:** 03/01/24**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	51.3	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	191	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

Client Sample ID: SWEET VALLEY PIT (MW-3)
Lab Sample ID: DA62542-6FC
Matrix: AQ - Groundwater Filtered
Project: Material Sites WQ Testing

Date Sampled: 03/01/24
Date Received: 03/01/24
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	15.1	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Sweet Valley Pit
23038
SGS Testing
Quarter 2 2024

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Sweet valley Property

SGS Job Number: DA65415

Sampling Date: 07/01/24

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com

ATTN: Dave Stewart

Total number of pages in report: **41**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	07/01/24
Lab Sample ID:	DA65415-1	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.1	0.20	mg/l	2	07/03/24 12:13	CS	EPA 300.0
Chloride	156	13	mg/l	25	07/03/24 12:22	CS	EPA 300.0
Sulfate	179	13	mg/l	25	07/03/24 12:22	CS	EPA 300.0
Nitrogen, Total Kjeldahl	1.7	1.0	mg/l	5	07/05/24 16:17	KH	EPA 351.2
Solids, Total Dissolved	745	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1

Lab Sample ID: DA65415-1F

Matrix: AQ - Water Filtered

Project: Sweet valley Property

Date Sampled: 07/01/24

Date Received: 07/02/24

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.53	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Barium	135	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Boron	209	40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.44	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Lithium	26.1	10	ug/l	1	07/10/24	07/16/24	CDL	EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	11.6	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM	EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	3.3	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.4	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.4	0.40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Uranium	7.2	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	07/01/24
Lab Sample ID:	DA65415-2	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.20	mg/l	2	07/03/24 12:31	CS	EPA 300.0
Chloride	194	13	mg/l	25	07/03/24 12:39	CS	EPA 300.0
Sulfate	226	13	mg/l	25	07/03/24 12:39	CS	EPA 300.0
Nitrogen, Total Kjeldahl	0.35	0.20	mg/l	1	07/05/24 16:17	KH	EPA 351.2
Solids, Total Dissolved	874	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	07/01/24
Lab Sample ID:	DA65415-2F	Date Received:	07/02/24
Matrix:	AQ - Water Filtered	Percent Solids:	n/a
Project:	Sweet valley Property		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.54	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Barium	138	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Boron	210	40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.67	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Lithium	26.6	10	ug/l	1	07/10/24	07/16/24	CDL	EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	12.4	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM	EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	3.2	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.8	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.3	0.40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Uranium	7.1	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	07/01/24
Lab Sample ID:	DA65415-3	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.83	0.20	mg/l	2	07/03/24 12:48	CS	EPA 300.0
Chloride	172	13	mg/l	25	07/03/24 12:56	CS	EPA 300.0
Sulfate	192	13	mg/l	25	07/03/24 12:56	CS	EPA 300.0
Nitrogen, Total Kjeldahl	0.95	0.20	mg/l	1	07/05/24 16:19	KH	EPA 351.2
Solids, Total Dissolved	731	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-3

Lab Sample ID: DA65415-3F

Matrix: AQ - Water Filtered

Project: Sweet valley Property

Date Sampled: 07/01/24

Date Received: 07/02/24

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.25	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Barium	60.8	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Boron	200	40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.32	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Lithium	18.3	10	ug/l	1	07/10/24	07/16/24	CDL	EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	1.3	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM	EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.5	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.1	0.40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Uranium	13.9	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	07/01/24
Lab Sample ID:	DA65415-4	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.83	0.20	mg/l	2	07/03/24 13:05	CS	EPA 300.0
Chloride	142	13	mg/l	25	07/03/24 13:14	CS	EPA 300.0
Sulfate	179	13	mg/l	25	07/03/24 13:14	CS	EPA 300.0
Nitrogen, Total Kjeldahl	0.23	0.20	mg/l	1	07/05/24 16:19	KH	EPA 351.2
Solids, Total Dissolved	687	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-4

Lab Sample ID: DA65415-4F

Matrix: AQ - Water Filtered

Project: Sweet valley Property

Date Sampled: 07/01/24

Date Received: 07/02/24

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.29	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Barium	47.9	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Boron	201	40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.27	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Lithium	15.6	10	ug/l	1	07/10/24	07/16/24	CDL	EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	8.3	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM	EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.4	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Selenium	0.65	0.40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Uranium	15.3	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Sweet Valley Pit
23038
SGS Testing
Quarter 3 2024

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Sweet Valley Property

SGS Job Number: DA68004

Sampling Dates: 10/09/24 - 10/10/24

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com
ATTN: Dave Stewart

Total number of pages in report: 50



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	10/09/24
Lab Sample ID:	DA68004-1	Date Received:	10/11/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.20	mg/l	2	10/14/24 13:18	CS	EPA 300.0
Chloride	216	13	mg/l	25	10/14/24 14:44	CS	EPA 300.0
Sulfate	239	13	mg/l	25	10/14/24 14:44	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	13.4	0.50	mg/l	5	10/21/24 21:28	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	910	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1
Lab Sample ID: DA68004-1F
Matrix: AQ - Groundwater Filtered
Project: Sweet Valley Property

Date Sampled: 10/09/24
Date Received: 10/11/24
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	55.1	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.71	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	88.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	222	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.41	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	50.2	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	35.1	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	17.5	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	3.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.4	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	10.5	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	1.2	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	10/09/24
Lab Sample ID:	DA68004-2	Date Received:	10/11/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.57	0.20	mg/l	2	10/14/24 13:26	CS	EPA 300.0
Chloride	168	13	mg/l	25	10/14/24 14:52	CS	EPA 300.0
Sulfate	199	13	mg/l	25	10/14/24 14:52	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	4.6	0.10	mg/l	1	10/21/24 19:08	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	727	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	10/09/24
Lab Sample ID:	DA68004-2F	Date Received:	10/11/24
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Sweet Valley Property		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	54.5	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.27	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	55.8	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	203	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.25	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	53.6	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	28.4	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	5.3	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.5	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.1	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	14.6	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	10/10/24
Lab Sample ID:	DA68004-3	Date Received:	10/11/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.81	0.20	mg/l	2	10/18/24 13:28	CS	EPA 300.0
Chloride	151	13	mg/l	25	10/13/24 13:13	MB	EPA 300.0
Sulfate	195	13	mg/l	25	10/13/24 13:13	MB	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	2.9	0.10	mg/l	1	10/21/24 19:09	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	665	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-3
Lab Sample ID: DA68004-3F
Matrix: AQ - Groundwater Filtered
Project: Sweet Valley Property

Date Sampled: 10/10/24
Date Received: 10/11/24
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	52.6	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.28	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	47.7	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	208	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.29	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	34.2	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	25.6	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	7.6	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.4	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	< 0.40	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	15.3	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EXISTING MONITOR WELL	Date Sampled:	10/10/24
Lab Sample ID:	DA68004-4	Date Received:	10/11/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.20	mg/l	2	10/18/24 13:37	CS	EPA 300.0
Chloride	174	13	mg/l	25	10/13/24 13:31	MB	EPA 300.0
Sulfate	212	13	mg/l	25	10/13/24 13:31	MB	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	8.0	0.30	mg/l	3	10/21/24 21:31	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	808	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: EXISTING MONITOR WELL**Lab Sample ID:** DA68004-4F**Matrix:** AQ - Groundwater Filtered**Project:** Sweet Valley Property**Date Sampled:** 10/10/24**Date Received:** 10/11/24**Percent Solids:** n/a**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.60	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	52.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	207	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.37	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	32.2	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	47.6	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	3.2	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	0.93	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	8.9	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Sweet Valley Pit
23038
SGS Testing
Quarter 4 2024

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Gillcrest Sweet Wells

SGS Job Number: DA70095

Sampling Date: 01/23/25

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com
ATTN: Dave Stewart

Total number of pages in report: 45



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	01/23/25
Lab Sample ID:	DA70095-1	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Gillcrest Sweet Wells		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.96	0.50	mg/l	5	01/28/25 11:23	AM	EPA 300.0
Chloride	80.7	2.5	mg/l	5	01/28/25 11:23	AM	EPA 300.0
Sulfate	279	13	mg/l	25	01/28/25 13:57	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	6.0	0.20	mg/l	2	01/30/25 18:19	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	< 0.20	0.20	mg/l	1	02/14/25 13:46	TH	EPA 351.2
Solids, Total Dissolved	725	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1

Lab Sample ID: DA70095-1F

Matrix: AQ - Water Filtered

Project: Gillcrest Sweet Wells

Date Sampled: 01/23/25

Date Received: 01/24/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.40	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	73.7	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	218	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.42	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	2.6	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	19.3	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	31.0	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	4.0	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	0.60	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	5.1	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	01/23/25
Lab Sample ID:	DA70095-2	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Gillcrest Sweet Wells		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.50	mg/l	5	01/28/25 11:32	AM	EPA 300.0
Chloride	171	13	mg/l	25	01/28/25 14:06	AM	EPA 300.0
Sulfate	201	13	mg/l	25	01/28/25 14:06	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	3.8	0.10	mg/l	1	01/30/25 16:46	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	< 0.20	0.20	mg/l	1	02/14/25 13:48	TH	EPA 351.2
Solids, Total Dissolved	669	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-2
Lab Sample ID: DA70095-2F
Matrix: AQ - Water Filtered
Project: Gillcrest Sweet Wells

Date Sampled: 01/23/25
Date Received: 01/24/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.28	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	44.2	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	193	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.29	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	14.7	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	12.0	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.8	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.2	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	13.2	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	01/23/25
Lab Sample ID:	DA70095-3	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Gillcrest Sweet Wells		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.3	0.50	mg/l	5	01/28/25 11:57	AM	EPA 300.0
Chloride	153	13	mg/l	25	01/28/25 14:14	AM	EPA 300.0
Sulfate	181	13	mg/l	25	01/28/25 14:14	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	3.2	0.10	mg/l	1	01/30/25 16:48	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	< 0.20	0.20	mg/l	1	02/14/25 13:48	TH	EPA 351.2
Solids, Total Dissolved	639	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-3

Lab Sample ID: DA70095-3F

Matrix: AQ - Water Filtered

Project: Gillcrest Sweet Wells

Date Sampled: 01/23/25

Date Received: 01/24/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.50	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	42.4	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	203	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.39	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	7.8	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	21.6	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	39.5	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	7.4	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.2	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	6.6	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EXISTING WELL	Date Sampled:	01/23/25
Lab Sample ID:	DA70095-4	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Gillcrest Sweet Wells		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.50	mg/l	5	01/28/25 12:06	AM	EPA 300.0
Chloride	153	13	mg/l	25	01/28/25 14:23	AM	EPA 300.0
Sulfate	201	13	mg/l	25	01/28/25 14:23	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	2.6	0.10	mg/l	1	01/30/25 16:49	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	< 0.20	0.20	mg/l	1	02/14/25 13:48	TH	EPA 351.2
Solids, Total Dissolved	656	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: EXISTING WELL
Lab Sample ID: DA70095-4F
Matrix: AQ - Water Filtered
Project: Gillcrest Sweet Wells

Date Sampled: 01/23/25
Date Received: 01/24/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.27	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	40.3	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	205	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	0.33	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	2.3	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	11.9	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	13.4	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.8	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	< 0.40	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	14.3	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Sweet Valley Pit
23038
SGS Testing
Quarter 1 2025

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Sweet Valley Property

SGS Job Number: DA72268

Sampling Date: 05/09/25

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com
ATTN: Dave Stewart

Total number of pages in report: 74



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID:	NEINING MW-1	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-9	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.20	mg/l	2	05/14/25 03:49	AM	EPA 300.0
Chloride	169	5.0	mg/l	10	05/13/25 22:00	AM	EPA 300.0
Sulfate	206	5.0	mg/l	10	05/13/25 22:00	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	5.9	0.20	mg/l	2	05/22/25 22:11	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	700	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: NEINING MW-1**Lab Sample ID:** DA72268-9F**Matrix:** AQ - Water Filtered**Project:** Sweet Valley Property**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.68	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	99.2	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	190	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	20.6	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	9.6	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	2.8	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	1.0	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	3.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NEINING MW-2	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-10	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.90	0.20	mg/l	2	05/14/25 03:57	AM	EPA 300.0
Chloride	161	5.0	mg/l	10	05/13/25 22:09	AM	EPA 300.0
Sulfate	193	5.0	mg/l	10	05/13/25 22:09	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.6	0.10	mg/l	1	05/22/25 19:02	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	683	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: NEINING MW-2**Lab Sample ID:** DA72268-10F**Matrix:** AQ - Water Filtered**Project:** Sweet Valley Property**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.29	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	50.8	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	205	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	13.8	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	8.3	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.7	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	1.3	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	12.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NEINING MW-3	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-11	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.99	0.20	mg/l	2	05/14/25 04:06	AM	EPA 300.0
Chloride	173	5.0	mg/l	10	05/13/25 22:17	AM	EPA 300.0
Sulfate	212	5.0	mg/l	10	05/13/25 22:17	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	8.2	0.30	mg/l	3	05/22/25 22:12	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	796	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: NEINING MW-3
Lab Sample ID: DA72268-11F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Arsenic	0.46	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Barium	69.6	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Beryllium	< 0.20	0.20	ug/l	1	05/11/25	06/03/25	GS EPA 200.8 ³	EPA 200.8 ⁵
Boron	219	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Cobalt	0.24	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Lithium	23.5	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	19.9	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Mercury	< 0.10	0.10	ug/l	1	05/26/25	05/27/25	CDL EPA 245.1 ²	EPA 245.1 ⁶
Molybdenum	5.6	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Selenium	1.3	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Uranium	12.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵

(1) Instrument QC Batch: MA19110

(2) Instrument QC Batch: MA19152

(3) Instrument QC Batch: MA19184

(4) Instrument QC Batch: MA19227

(5) Prep QC Batch: MP41226

(6) Prep QC Batch: MP41370

(7) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EXISTING WELL	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-12	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	1.0	mg/l	10	06/04/25 03:24	JB	EPA 300.0
Chloride	154	5.0	mg/l	10	06/04/25 03:24	JB	EPA 300.0
Sulfate	192	5.0	mg/l	10	06/04/25 03:24	JB	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	2.7	0.10	mg/l	1	05/22/25 19:04	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	639	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: EXISTING WELL
Lab Sample ID: DA72268-12F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Arsenic	0.26	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Barium	35.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Beryllium	< 0.20	0.20	ug/l	1	05/11/25	06/03/25	GS EPA 200.8 ³	EPA 200.8 ⁵
Boron	167	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Cobalt	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Lithium	10.9	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	5.5	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Mercury	< 0.10	0.10	ug/l	1	05/26/25	05/27/25	CDL EPA 245.1 ²	EPA 245.1 ⁶
Molybdenum	1.3	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Selenium	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Uranium	12.3	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Zinc	24.9	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵

(1) Instrument QC Batch: MA19110

(2) Instrument QC Batch: MA19152

(3) Instrument QC Batch: MA19184

(4) Instrument QC Batch: MA19227

(5) Prep QC Batch: MP41226

(6) Prep QC Batch: MP41370

(7) Prep QC Batch: MP41516

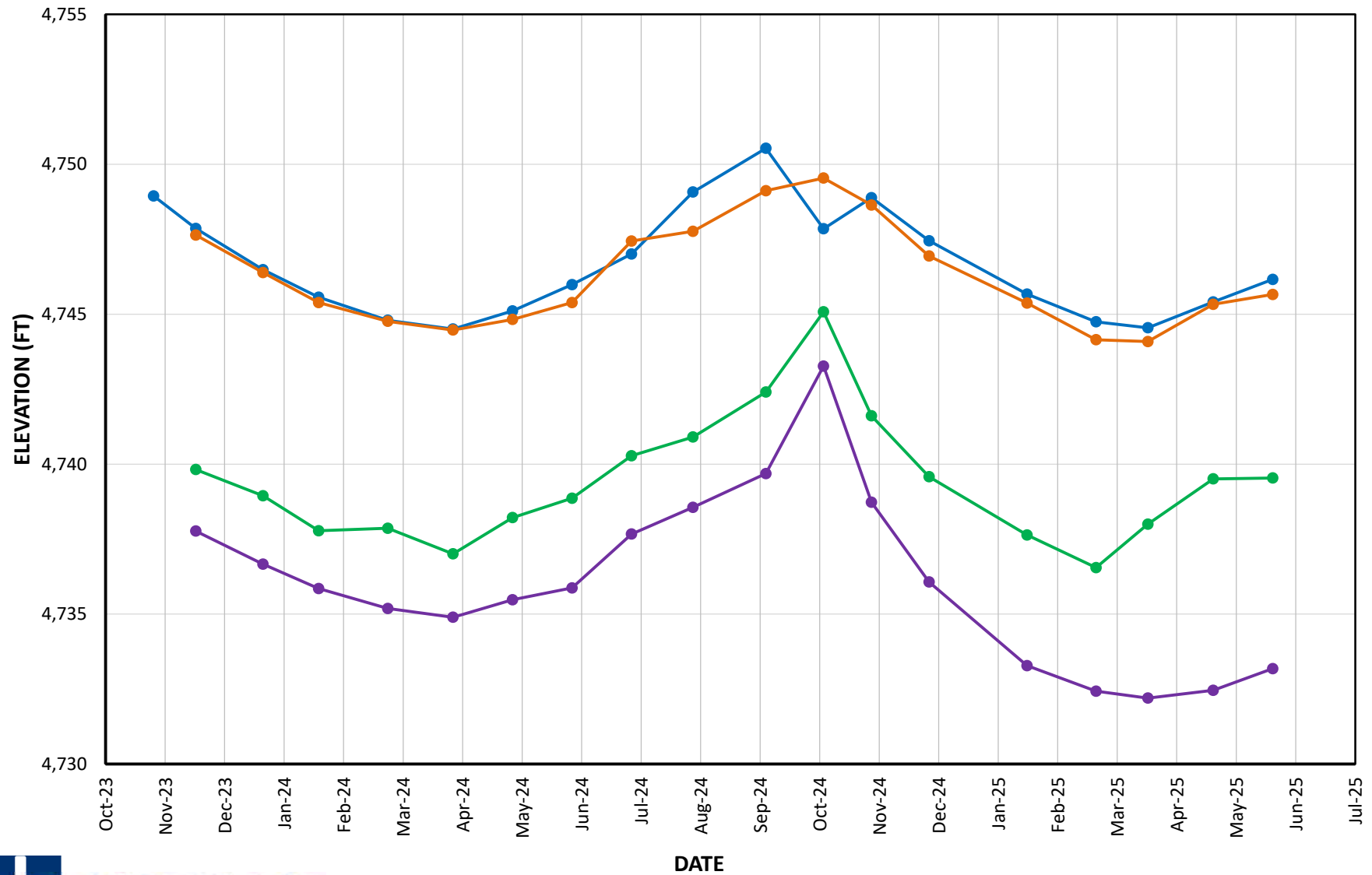
RL = Reporting Limit

Sweet Valley Pit - Monitor Well Readings

Well Designation	Existing Monitor Well			JT MW-1			JT MW-2			JT MW-3		
Description	Southwest Corner			Northwest Corner			Northeast Corner			Southeast Corner		
Top of Well Elevation (ft)	4765.11			4754.77			4757.78			4763.64		
Ground Elevation (ft)	4762.38			4752.57			4755.56			4761.50		
Date	Depth to Groundwater from Top of Well (ft)	Depth to Groundwater from Ground (ft)	Elevation of Groundwater (ft)	Depth to Groundwater from Top of Well (ft)	Depth to Groundwater from Ground (ft)	Elevation of Groundwater (ft)	Depth to Groundwater from Top of Well (ft)	Depth to Groundwater from Ground (ft)	Elevation of Groundwater (ft)	Depth to Groundwater from Top of Well (ft)	Depth to Groundwater from Ground (ft)	Elevation of Groundwater (ft)
October 26, 2023	16.17	13.44	4748.94									
November 17, 2023	17.25	14.52	4747.86	17.00	14.80	4737.77	17.96	15.74	4739.82	16.00	13.86	4747.64
December 22, 2023	18.63	15.90	4746.49	18.10	15.90	4736.67	18.83	16.61	4738.95	17.25	15.11	4746.39
January 20, 2024	19.54	16.81	4745.57	18.92	16.72	4735.85	20.00	17.78	4737.78	18.25	16.11	4745.39
February 25, 2024	20.31	17.58	4744.80	19.58	17.38	4735.19	19.92	17.70	4737.86	18.88	16.73	4744.77
March 30, 2024	20.60	17.87	4744.51	19.88	17.67	4734.90	20.77	18.55	4737.01	19.17	17.03	4744.47
April 30, 2024	20.00	17.27	4745.11	19.29	17.09	4735.48	19.56	17.34	4738.22	18.81	16.67	4744.83
May 31, 2024	19.13	16.40	4745.99	18.90	16.70	4735.87	18.92	16.70	4738.86	18.25	16.11	4745.39
July 1, 2024	18.10	15.37	4747.01	17.10	14.90	4737.67	17.50	15.28	4740.28	16.20	14.06	4747.44
August 2, 2024	14.38	13.31	4749.08	16.21	14.01	4738.56	16.88	14.66	4740.91	15.88	13.73	4747.77
September 9, 2024	12.92	11.85	4750.53	15.08	12.88	4739.69	15.38	13.16	4742.41	14.52	12.38	4749.12
October 9, 2024	15.60	14.53	4747.85	11.50	9.30	4743.27	12.70	10.48	4745.08	14.10	11.96	4749.54
November 3, 2024	14.56	13.49	4748.89	16.04	13.84	4738.73	16.17	13.95	4741.61	15.00	12.86	4748.64
December 3, 2024	16.00	14.93	4747.45	18.70	16.50	4736.07	18.20	15.98	4739.58	16.70	14.56	4746.94
January 23, 2025	17.78	16.71	4745.67	21.49	19.29	4733.28	20.14	17.92	4737.64	18.27	16.13	4745.37
February 28, 2025	18.70	17.63	4744.75	22.34	20.14	4732.43	21.23	19.01	4736.55	19.49	17.35	4744.15
March 27, 2025	18.90	17.83	4744.55	22.57	20.37	4732.20	19.78	17.56	4738.00	19.55	17.41	4744.09
April 30, 2025	18.04	16.97	4745.41	22.31	20.11	4732.46	18.27	16.05	4739.51	18.31	16.17	4745.33
May 31, 2025	17.29	16.22	4746.16	21.59	19.39	4733.18	18.24	16.02	4739.54	17.98	15.84	4745.66
Minimum	12.92	11.85	4744.51	11.50	9.30	4732.20	12.70	10.48	4736.55	14.10	11.96	4744.09
Maximum	20.60	17.87	4750.53	22.57	20.37	4743.27	21.23	19.01	4745.08	19.55	17.41	4749.54
Average	17.57	15.72	4746.66	18.70	16.50	4736.07	18.36	16.14	4739.42	17.37	15.23	4746.27

Updated Elevation Ex MW Top of Well on 8-2-24 for repair	4763.45
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Sweet Valley Pit Monitor Wells Elevation of Groundwater



J&T Consulting, Inc.

Existing MW Well

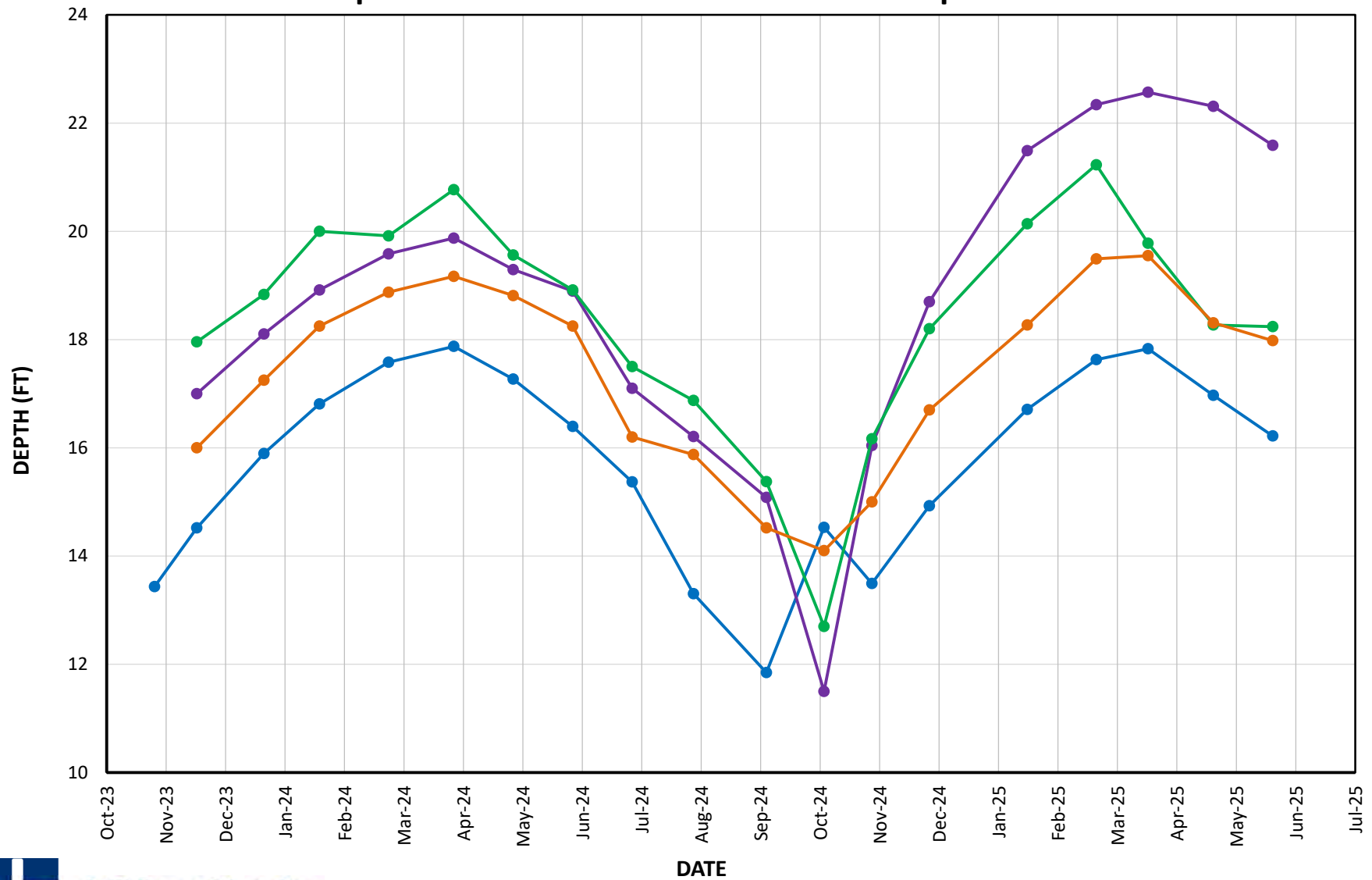
JT MW-1

JT MW-2

JT MW-3

Sweet Valley Pit Monitor Wells

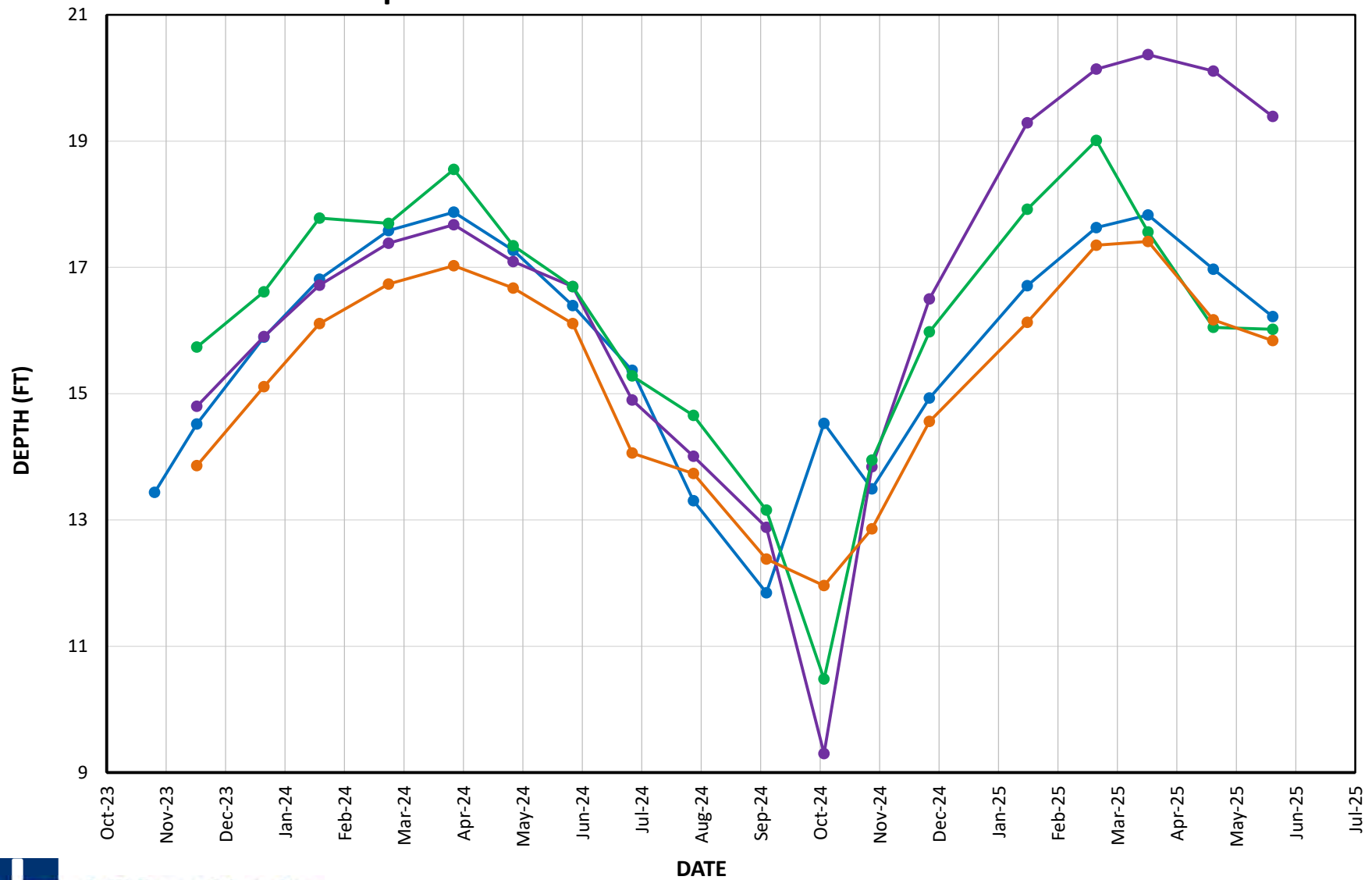
Depth to Groundwater Measured From Top of Well



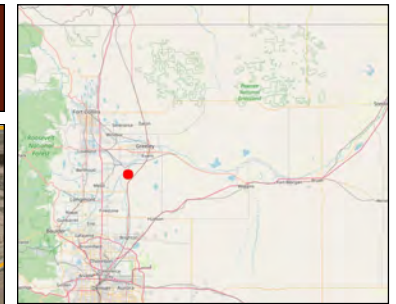
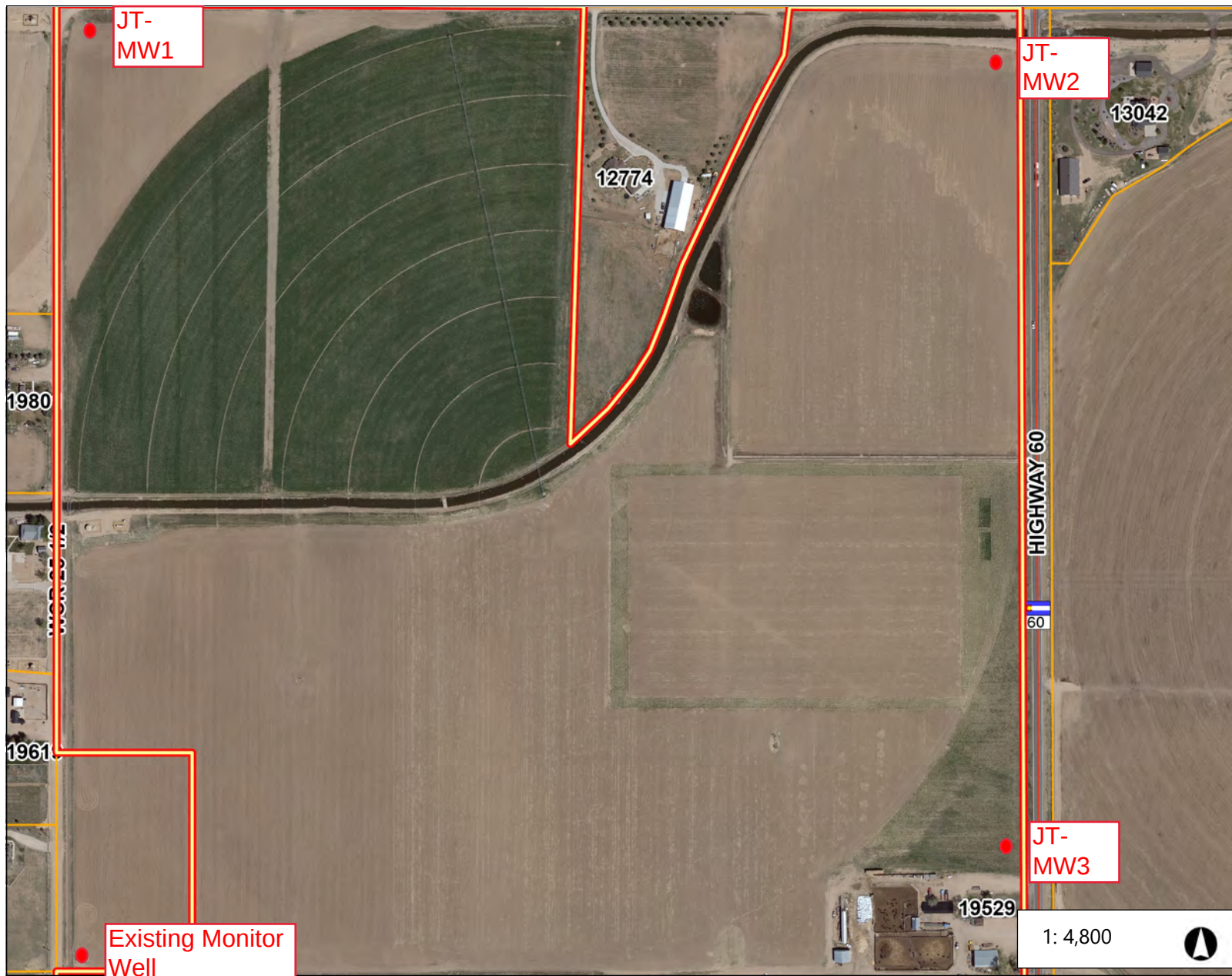
J&T Consulting, Inc.

Existing MW JT MW-1 JT MW-2 JT MW-3

Sweet Valley Pit Monitor Wells Depth to Groundwater Measured From Ground



J&T Consulting, Inc.



Legend

- Parcels
- Highway
- County Boundary

Notes

800.0 0 400.00 800.0 Feet