2024 ANNUAL REPORT

JUNIPER RIDGE LANDFILL
OLD TOWN, MAINE

MEDEP LICENSE #S-020700-7A-A-N,

AMENDMENT #S-020700-WD-N-A, &

MEDEP LICENSE #S-020700-WD-BI-N

APRIL 2025

JUNIPER RIDGE LANDFILL

Operated by NEWSME Landfill Operations, LLC

2828 Bennoch Road, Old Town, Maine 04468

(207) 394-4372

JUNIPER RIDGE LANDFILL

Operated By
NEWSME Landfill Operations, LLC

April 30, 2025

Dominique DiSpirito
Department of Environmental Protection
Bureau of Remediation and Waste Management
106 Hogan Road
Bangor, ME 04401

Re: Juniper Ridge Landfill 2024 Annual Report

Dear Ms. DiSpirito:

Enclosed for your review is the Juniper Ridge Landfill 2024 Annual Report and supporting documentation as required.

Should you require additional information or clarification, please do not hesitate to contact me at 207-249-8025 or Wayne Boyd at 207-694-5510.

Respectfully submitted,

NEWSME Landfill Operations, LLC.

Jeffrey Pelletier
Environmental Manager

Enclosure

Cc: Wayne Boyd, Casella
Kathy Tarbuck, MEDEP
Lane Gould, BGS
William Mayo, City of Old Town

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1.0 INTRODUCTION

Pursuant to the requirements of 38 MRS §1310-N(6-D), this document, and associated attachments, serve as the 2024 Annual Report for the Juniper Ridge Landfill (JRL) located off Route 16 in Old Town, Maine. The information contained in this report also addresses the requirements of:

- Section 401.4.D of Maine Solid Waste Management Rules;
- Condition 19 of Solid Waste Order #S-020700-WD-N-A;
- Condition 4 of Solid Waste Order #S-020700-WD-W-M;
- Conditions 12, 14, 15, and 20 of Solid Waste Order #S-020700-WD-BI-N; and
- Condition 2 of Solid Waste Orders #S-20700-WD-CM-M.

As the contracted operator of the Juniper Ridge Landfill, NEWSME Landfill Operations, LLC (NEWSME), an indirect subsidiary of Casella Waste Systems, Inc. (CWS) is submitting this annual report to the Maine Department of Environmental Protection (MEDEP) on behalf of the Maine Bureau of General Services (BGS). Pursuant to P.L. 2011, Chapter 655, Sec. GG-69, on July 1, 2012 the Bureau of General Services in the Department of Administrative and Financial Services became the owner and licensee of JRL. Prior to July 1, the State Planning Office (SPO) owned JRL and held its licenses. The SPO was abolished on July 1, 2012.

1.1 Overview

JRL property consists of a 780-acre site accessed off Route 16 in Alton, with a physical address of 2828 Bennoch Road, Old Town, Maine. The licensed solid waste footprint of the JRL is approximately 122 acres. A location map of the JRL site and the surrounding facilities is shown on Figure 1-1. The JRL was originally licensed (#S-020700-7A-A-N) by the Board of Environmental Protection on July 28, 1993 as a generator-owned landfill for disposal of pulp and papermaking residuals generated by the Fort James Paper Mill located in Old Town, Maine. The original approved capacity of the facility was approximately 3 million cubic yards. Landfill operations began in Cell 1 in December 1996.

In June 2003, the Maine legislature passed Resolve 2003, Chapter 93, which authorized the State of Maine to pursue the purchase of the JRL from Fort James Operating Company. The final purchase agreement between SPO and Fort James would provide disposal capacity for the mill's waste for a 30-year period. On October 30, 2003, the SPO submitted an amendment application to the MEDEP to increase the approved final elevation of the landfill, and to dispose of additional waste streams at the facility.

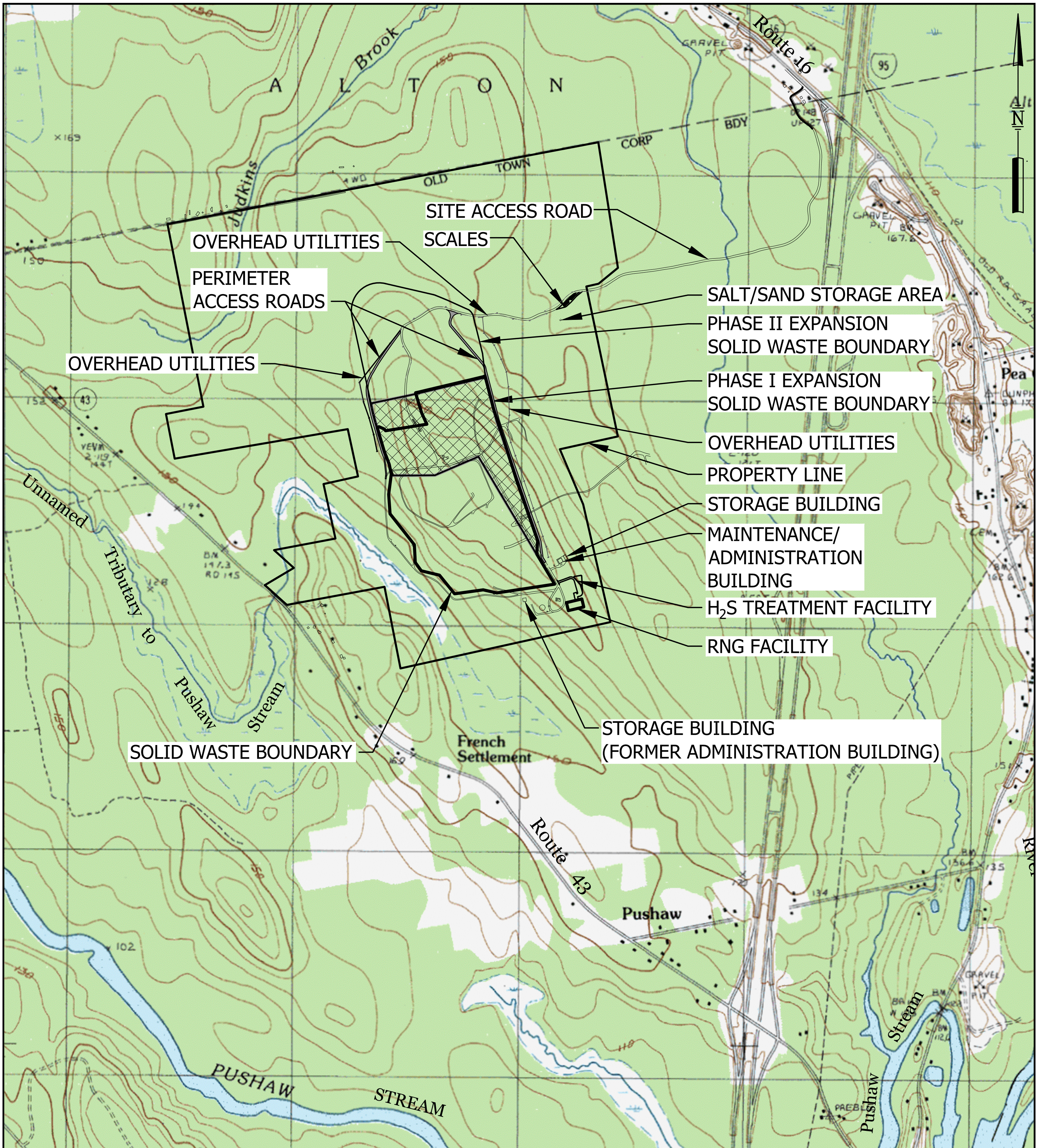
On February 5, 2004, SPO formally purchased the JRL property from Fort James and signed an Operating Services Agreement with NEWSME to operate the facility for a 30-year period. At the same time, previously approved MEDEP operating licenses for the JRL were transferred to the SPO. On April 9, 2004, the MEDEP approved the amendment application and issued permit #S-020700-WD-N-A to the SPO to increase the original JRL capacity from approximately 3.3 million cubic yards to approximately 10.2 million cubic yards. An expansion of an additional 9.35 million cubic yards of capacity was approved for the site by the Maine Board of Environmental Protection (MEBEP) on June 1, 2017 with Board Order #S-020700-WD-BI-N and #L-19015-TG-D-N.

Since the execution of the Operating Services Agreement, NEWSME has been operating the site and is responsible for costs associated with development, operation and closure/post-closure activities at the JRL.

To date, Cells 1, 2, 3A, 3B, 4, 5, 6, 7, 8, 9, and 10 of the 2004 amendment license have been constructed; this accounts for the 68-acre landfill approved by the MEDEP Solid Waste Order #S-020700-WD-N-A. The last phase of filling the originally permitted landfill includes filling over the eastern and northern outer waste side slopes of the originally permitted landfill cells to achieve final waste grades of the 2004 permitted footprint. It is NEWSME's intent to fill this capacity in conjunction with the filling of expansion cells.

- To date, Cells 11, 12, 13, 14, 15, 16 have been constructed as part of the 54-acre JRL expansion, approved by MEBEP Board Order #S-020700-WD-BI-N and #L-19015-TG-D-N. Cell 11 was constructed in 2018, followed by Cell 12 in 2020, Cell 13 in 2021, Cell 14 in 2022, Cell 15 in 2023, and Cell 16 in 2024. Approval to commence waste placement in Cell 16 was issued by the MEDEP verbally on or around December 23, 2024. A letter was received regarding the approval on January 31, 2025. In 2024 waste placement occurred primarily in Cells 15 and 12, and the area where Stage 2 Final Cover was constructed (Cells 4, 5, and 6). Lesser amounts of waste were also placed on the north slope of the 2004 permitted footprint (Cells 1, 2, 3A, and 3B). Intermediate cover was placed once final waste grades were reached.

As of December 31, 2024, 4,322,843 cubic yards of total permitted capacity remained at the JRL. Further Discussion is described below in Section 3.2.



NOTE:

BASE MAP ADAPTED FROM 7.5 MIN
USGS TOPOGRAPHIC QUADRANGLE
OLD TOWN, MAINE-1988

1000 0 2000 4000 FEET

DWG: SITELOC LMN: SITELOC CTB: SME-STD REV: 2/11/2025

FIGURE 1-1
SITE LOCATION MAP
JUNIPER RIDGE LANDFILL EXPANSION
OLD TOWN, MAINE

SME
SEVEE & MAHER
ENGINEERS

\\Nserver\cfs\Casella\OldTownLandfill\GeneralSiteInfo\OM\2024\ACAD\Figures\SITELOC.dwg, FIGURE, 2/11/2025 2:16:46 PM, sjm

1.2 Annual Report Format

This Annual Report contains the information required by Section 401.4.D of the Maine Solid Waste Management Rules (Rules), including a general summary of activities during 2024, a compliance evaluation performed by JRL's environmental manager, a summary of 2024 operations and operational information, a summary of facility site changes, a summary of the site monitoring performed at and around the site during 2024, an update of the costs and documentation of changes to the closure and post-closure funding of the facility, and a summary of best efforts by CWS to divert MSW from landfilling at the JRL to the greatest extent practicable.

2.0 SUMMARY OF SITE ACTIVITIES

2.1 Site Activities

The following landfill related site activities occurred at JRL during 2024:

- Continued construction of the Renewable Natural Gas (RNG) Facility;
- Removal of the geosynthetic intermediate cover material on the southwestern slope of Cells, 4, 5 and 6, to allow for additional waste placement, in preparation for Stage 2 Final Cover;
- Construction of Cell 16 (6.0 Acres) and associated infrastructure;
- Routine waste placement primarily in Cells 15, 12, and where Stage 2 Final Cover was constructed (primarily the southwestern side slope of Cells 4, 5, and 6). Lesser amounts of waste were also placed on the north slope of the 2004 permitted footprint (Cells 1, 2, 3A, and 3B);
- Construction of Stage 2 Final Cover (9.6 acres);
- Excavation and stockpiling of soils in the borrow area;
- Continued placement of intermediate cover on the 2004 permitted footprint and the side slopes of Cell 15 as waste grades were reached; and
- Continued installation of new landfill gas collection components in the original 2004 permitted footprint and Cell 15 of the expansion. Components installed included new vertical LFG extraction wells, gas collection trenches, 12" header piping, and lateral extraction piping.

2.2 Summary of Applications Submitted and/or Approved at JRL in 2024

Listed in Table 2-1 is a summary of MEDEP, Local, and Federal applications that were submitted and or approved at JRL during 2024.

Table 2-1 Summary of Applications Submitted and/or Approved at JRL, 2024

Application Description	Agency	Permit/License Number
Maine Construction General Permit - to perform clearing/ grubbing/stumping work for Cell 16, Cell 17, and an adjacent area for the overhead electrical extension	MEDEP	Approved (after 14 day waiting period)
Approval of Part 70 Air Emissions License Amendment to allow for the installation of a continuous polit light of JRL's Flare #4	MEDEP	A-921-70-I-A
JRL Proposal of Sampling of RNG Condinsate	MEDEP	Approved (no permit issued)
Received MEDEP PIR Review comments memo that soils within the landfill expansion footprint meet the restrictive siting criterion	MEDEP	Approved (no permit issued)
Approval of the 2024 Annual Oversized Bulky Waste Limit Request	MEDEP	Approved (no permit issued)
Received Federal Fish & Wildlife Permit Renewal (Bird Depredation)	US Dept of Fish and Wildlife	MB670894-0
Approval of Stage 2 Final Closure Condition Compliance	MEDEP	S-020700-WD-CT-C
Approval of the Cell 16 Construction Design Report and received a condition compliance license	MEDEP	S-020700-WD-CU-C
Review/approval of JRL Financial Assurance Bonds	MEDEP	Approved (no permit issued)
Approval for JRL Cell 16 Change Orders 1 and 2 (A rectangle leachate manhole structure changed to a round structure and frost protection was added to 6-inch lateral and 8-inch header piping)	MEDEP	Approved (no permit issued)
Received updated approval list for JRL Gas Collectors with HOV parameters	MEDEP	Approved (no permit issued)

Table 2-1 Cont. Summary of Applications Submitted and/or Approved at JRL, 2024

Application Description	Agency	Permit/License Number
Cell 16 final inspection completed. Approval to start soft layer material placement	MEDEP	Approved (no permit issued)
Approval of substantial compliance with Stage 2 Final Cover Schedule of Compliance	MEDEP	Approved (no permit issued)
Public Benefit Determination (PBD) for a proposed landfill expansion was granted. (This determination does not constitute approval of the expansion, only warrants permitting to continue)	MEDEP	S-020700-W5-CV-N
Implementation Schedule for PFAS Treatment submitted as per PBD	MEDEP	Awaiting approval at year end. Acceptance received on 01-10-25

2.3 Compliance Self-Audit

As required by Section 401.4.D (1) (b) of the Rules, JRL performed an annual evaluation of landfill operations for calendar year 2024. A copy of the Audit is included as Attachment A of this report.

3.0 SUMMARY OF OPERATIONS

3.1 Types of Wastes Received at JRL during 2024

During calendar year (CY) 2024, JRL received and disposed of a total of 795,544 tons of waste material. Table 3-1 summarizes the waste types received, along with their corresponding tonnages. In compliance with JRL's permit condition, wastes going to the landfill were screened in advance to prevent unacceptable/unpermitted wastes from being accepted at the facility.

3.2 Estimates of Capacity Utilized during 2023 and Remaining Capacity

During 2024 approximately 1,033,554 cubic yards of capacity were utilized in Cells 1-15. These estimates are based on May 21, 2024 aerial survey results. Since survey data for the entire site is utilized, these values account for capacity gains due to settlement, compaction, and waste decomposition. Remaining capacity at JRL, as of December 31, 2024 is listed below in Table 3-2. Further details are provided in Attachment I (the 2024 JRL Geotechnical Monitoring Report). Please refer to Appendix B of the report.

Table 3-1 Summary of Wastes Accepted at JRL, 2024

Summary of Wastes Accepted at Juniper Ridge Landfill Report Year 2024				
Waste Type #	**Waste Types**	**Total (tons)**	**Origin**	**% Total Waste**
1	Bypass MSW[5]	300,835	Maine	37.8
2	CDD/MSW Processing Residue - OBW (Disposed of in the Original 2004 Permitted Footprint)	5,286	Maine	0.7
3	CDD/MSW Processing Residue - OBW (Disposed of in the Expansion Permitted Footprint)[4]	41,808	Maine	5.3
4	CDD Processing Residue - Fines[1]	36,169	Maine	4.5
5	Mixed CDD	311,698	Maine	39.2
6	Recycled/Reused Wood from CDD[2]	301	Maine	0.0
7	Residue/Trash from Single Stream	5,958	Maine	0.7
	Special Wastes Types			
8	Burn Pile Ash and/or Hot Loads Area Ash	596	Maine	0.1
9	Burnt Structure Debris/Ash	435	Maine	0.1
10	Catch Basin Grit & Street Sweeping	598	Maine	0.1
11	Coal, Oil & Multi-fuel Boiler Ash	34	Maine	0.0
12	Contaminated Soil & Debris	13,831	Maine	1.7
13	Dredged Spoils	1,243	Maine	0.2
14	Industrial (Miscellaneous)	136	Maine	0.0
15	Industrial WWTP Sludge	220	Maine	0.0
16	Leather Scraps	51	Maine	0.0
17	MSW Incinerator Ash	158	Maine	0.0
18	Municipal WWTP/POTW Sludge	63,054	Maine	7.9
19	Non-Friable Asbestos	6,727	Maine	0.8
20	Non-Hazardous Chemical Related	1,215	Maine	0.2
21	Oil Spill Debris	3,424	Maine	0.4
22	Polyethylene & Cellulose Trimmings	101	Maine	0.0
23	Sandblast Grit	176	Maine	0.0
24	Spoiled Foods	75	Maine	0.0
25	Sulfur Scrubbing Residues	668	Maine	0.1
26	Water/Air Filtration Media	30	Maine	0.0
27	WWTP Grit Screenings	718	Maine	0.1
SUBTOTAL WASTE TYPES 1-7		702,055	Maine	88.2
SUBTOTAL WASTE TYPES 8-27		93,489	Maine	11.8
GRAND TOTAL WASTE RECEIVED[3]		**795,544**	Maine	

1. Materials recycled/reused as alternative daily cover (ADC).

2. Wood from CDD was received at the Juniper Ridge Landfill wood storage facility then chipped and recycled/reused as ADC.

3. Total does not include construction materials. In 2024, 61,299.73 tons of Construction Fines were delivered from Resource in Lewiston. These fines were manufactured to meet construction specifications for the Stage 2 Final Cover and side slope grading requirements prior to installing synthetic intermediate cover. Total derived from sum of higher significant digit numbers, not rounded whole numbers as provided in the above table.

4. The previous limit of 65,000 tons per year, set by expansion license #S-020700-WD-BI-N, was modified through solid waste minor revision #S-020700-WD-CM-M. The minor revision approved the methodology and process used to determine JRL's annual OBW limit of 85,000 tons in the Expansion area for 2024. The approval was granted on 04-16-24.

5. MRC/MWS 65,235.50 tons, ecomaine 6,587.11 tons, PERC/EPEC 206,992.68 tons , and MMWAC 22,020.06 tons.

Table 3-2 Disposal Capacity Remaining as of December 31, 2024

	Constructed Area Capacity
280,949	2004 permitted footprint (Cells 1-10)
2,696,843	Expansion footprint (Cells 11-16)
2,977,792	**Total Constructed Area Capacity (Cells 1-16)**
1,345,051	**Total Permitted but Unconstructed Area Capacity (Cells 17)**
4,322,843	**Total Site Remaining Permitted Capacity (Cells 1-17)**

3.3 Estimates of the Amount of Cover Material Placed

During 2024, the second stage of final cover was installed (Stage 2 Final Cover). The total acreage covered by the project was approximately 9.6 acres, which was primarily installed over the southwestern side slope of Cells 4, 5, and 6. Installed above the final cover, is the continuation of a road, which will be extended in future final cover projects, and will be utilized as a final road to the top of the landfill once the landfill is permanently closed.

Also installed throughout the year was a mixture of synthetic and soil intermediate cover. Materials were placed as final waste grades were reached. Approximately 11 acres of additional synthetic cover (40-mil) were added to the side slopes of Cells 1, 2, 3A, 3B, and 15. Approximately 2 acres of soil cover was added to the top/upper side slopes of Cells 2/3A of the 2004 permitted footprint.

During daily operations, active areas received alternate daily cover (ADC). Approved ADC materials utilized throughout the year included: CDD processing fines, wood chips from clean CDD, wood grinding material from a local contractor, and soil equivalent foam (seasonal). Virgin soil was used when other ADC materials were lacking or unavailable. Details of materials used are listed below.

Totals of ADC Used:

- 36,169 tons - CDD Processing Fines
- 301 tons - Wood chips from clean CDD
- 8744 cubic yards – Wood grinding material from local contractor
- 16,187 gallons (135,000 lbs.) – Concentrated soil equivalent foam

Totals of Virgin Soil (primarily sand) used for Daily Cover:

- 32,610 cubic yards

3.4 Summary of Changes to the Facility's Operations Manual

Included as Attachment C are updated sections to include to the JRL Expansion Operations Manual (April 2024). Once included, the Operations Manual will be complete and will be considered the April 2025 revision. The updated sections for the 2025 revision are listed below. A new addition this year was a Gas Treatment System Monitoring and SSM Plan for the JRL RNG Facility.

- 1) Binder Cover/Spline Labels
- 2) JRL Expansion Operations Manual Narrative Section
- 3) Appendix A - MEDEP Operating Permits
- 4) Appendix C - Operator Training Program Outline
- 5) Appendix F - Stormwater Management and Erosion Control Plan (JRL SWPPP)
- 6) Appendix K - Odor Compliant Management and Response Plan
- 7) Appendix M - Facility Notification Procedures
- 8) Appendix O - Operational and Inspection Forms
- 9) Appendix R - JRL RNG Gas Treatment System Monitoring and SSM Plan (Add)

3.5 Proposed Changes to the Operations Manual or Other Landfill Operations

During 2025, JRL staff plan to continue updating the revised April 2025 JRL Expansion Operations Manual as changes arise. Changes in 2025 will likely include the addition of Stage 3 Final Cover, and additions to the RNG Facility.

3.6 Responses to Spills, Fires, Accidents or Unusual Events at the Landfill

During 2024, the JRL facility experienced 5 petroleum related spills, 1 antifreeze spill, 2 fires, and 3 other waste related events. MEDEP was notified regarding all events.

Petroleum/Antifreeze Related Spills

5 petroleum related spills and 1 antifreeze related spill occurred in 2024. Spills were properly cleaned up using spill pads, speedy dry, and heavy equipment as necessary by both JRL and 3rd party personnel. Once cleaned up materials were disposed of in the landfill. All spills occurred on the JRL property and caused no environmental and/or off-site impacts. Details are listed below.

- 3 petroleum spills were 5-gallons or less. 2 were caused by 3rd party equipment malfunctions and 1 a JRL equipment malfunction. These 3 spills occurred on and the MEDEP spill hotline notified on 04-23-24, 06-06-24, and 06-26-24.

- 2 petroleum spills were 20-gallons each. Both were caused by 3rd party equipment malfunctions and occurred during the commissioning of the RNG Facility. These 2 spills occurred on and the MEDEP spill hotline notified on 04-29-24 and 05-06-24.

- 1 antifreeze spill occurred of roughly 1-gallon. The spill was caused by 3rd party equipment malfunction. The spill occurred on and the MEDEP spill hotline notified on 4-30-24.

<u>Waste Related Fires</u>

Two on-site waste related fires occurred during 2024. The are described below.

- On 06-01-24 just before 4:00 PM, smoke was noticed coming from the Stage 2 final closure area located on the southwestern side of the landfill. A burnt/smoldering mattress was found with the cause of the fire starting unknown. JRL staff used a bulldozer/excavator to spread sand over the area to extinguish it. The area impacted was approximately 900 ft^2. The fire was reported to the MEDEP project manager.

- On 04-23-24 just before 2:00 AM a surface fire was noticed coming from the Stage 2 final closure area located on the southwestern side of the landfill. JRL staff used heavy equipment to spread sand over the area to extinguish it. Roughly 10,000 gallons of water were placed over the area afterwards. The fire department showed up at 4:13 AM but left shortly after around 4:30 AM, when they realized it was under control. By 5:00 AM the fire was out. The cause is unknown but a battery is suspected. The area impacted was approximately 625 ft^2. The fire was reported to the MEDEP project manager.

<u>Waste Related Events</u>

Three waste related events occurred at JRL in 2024. Details are listed below.

- Two of the waste related events, members of MEDEP notified JRL staff. Discussions were held to understand both issues and cooperation/additional information was provided as requested. Notifications of these waste related events occurred by MEDEP staff on 05-01-24 and 07-24-24.

- One waste related event occurred late on 06-05-24, when intense rain (2.47 inches in 40 minutes), caused several cover material washouts on the Cell 1 side slope. Cover materials (sand, gravel, and wood chips), were washed into Stormwater Pond #1.

  The MEDEP project manager was notified that day of the event and met JRL staff on-site the following morning. 35 to 45 cubic yards of material were removed from the pond using an excavator. Stormwater within the pond was checked for conductivity (299 to 363 µS/cm), which was extremely low and typical for stormwater on-site.

Damaged Intermediate Cover/Liner System

Several smaller areas of synthetic intermediate cover were damaged due to the wind in 2024. Areas were repaired as 3rd party crews could get a crew together on-site. Several areas along landfill gas (LFG) infrastructure also needed repair. 3rd party crews were called in as necessary . JRL site personnel continuously try new things to better secure the cover material to prevent recurrences.

3.7 Updated Cell Development Plans

Cells 11, 12, 13, 14, 15, and 16 plans will remain in the JRL Expansion Operations Manual. Future plans for Cell 17 will be included when the cell is designed and is likely to be constructed in 2026. Cell 17 will represent the seventh and last cell of the 9.35 million cubic yard permitted expansion.

3.8 Copies of Reports Prepared in Accordance with the Landfill's Hazardous and Special Waste Handling and Exclusion Plan

During 2024, JRL submitted monthly special waste activity reports to the BGS, the City of Old Town, and the MEDEP. Reports were also and placed on the BGS's JRL website for the public and the Landfill Advisory Committee to access.

3.9 Inspections and Testing

During 2024, JRL personnel performed routine inspections of the landfill and infrastructure as outlined in the JRL Operations Manual. Copies of quarterly (routine) and weekly inspection reports may be found on file in the Environmental Manager's Office. Completed sample inspection sheets are included in Attachment D of this Annual Report.

3.10 Description of System Failures and/or Repairs

Routine and non-routine maintenance activities were performed on the leachate and landfill gas collection infrastructure, access roads, stormwater structures, and cover systems during 2024. Leachate maintenance activities are listed chronologically in Attachment E. A summary of other identified landfill maintenance activities is listed in Attachment D.

During report year 2024, the following routine maintenance and/or repair functions were performed at the facility:

- Leachate maintenance and cleaning activities occurred as needed and in accordance with the Facility's Operations Manual;
- On-site stormwater structures were cleaned and/or repaired in accordance with standard BMP's to maintain erosion & sedimentation control during rain events;
- Various repairs were made to the existing 30/40-mil intermediate cover systems due to tears, rips, and/or holes from movement, settlement, or wind;
- Gas collection piping was repaired in multiple locations to accommodate for normal settlement and operations;
- Landfill gas (LFG) wellheads were repaired throughout the year due to normal wear and tear; and
- Access roads were graded and maintained as necessary to allow access to the facility.

4.0 FACILITY SITE CHANGES

During 2024, the following minor facility site changes not requiring Department approval occurred and are once again planned for 2025:

- Mowing, brush cutting, and other site maintenance upkeep;
- Continued safety and visual upgrades of the landfill paved access road;
- Continued improvements to stormwater control systems; and
- Continued efforts to mitigate wind-damage of landfill synthetic intermediate cover materials.

5.0 MONITORING

Water Quality

The 2024 Annual Water Quality Report for JRL is included as Attachment F of this report and includes an evaluation of the environmental monitoring data for the JRL site. During 2024, water quality samples were collected at JRL in accordance with the Environmental Monitoring Program (EMP), during April, July, and October.

Leachate Quality

Leachate quality was also evaluated and included as part of the 2024 Water Quality Report, Attachment F of this report.

Below in Table 5-1, are leachate volumes of each pump station, along with total leachate hauled for 2023 and 2024. As seen, leachate flows decreased overall for 2024. This decrease was attributed to having more normal total rainfall throughout the year 2024 as compared to 2023.

Table 5-1 Leachate Total Comparison, 2023 & 2024

Total Leachate Pumped By Cell Pump Stations					
	Cell 4	Cell 5	Cell 8	East Side Cells 11-14	West Side Cell 15
2023	11,348,465	3,953,780	4,052,985	5,291,615	416,230
2024	11,745,240	3,002,990	3,461,985	4,016,410	798,380
Difference	3%	-32%	-17%	-32%	47.87%

Total Leachate Produced (Hauled) By Month			
	2023	2024	Difference
January	2,023,640	2,601,130	22%
February	2,278,695	1,553,055	-47%
March	2,002,340	3,126,200	36%
April	1,410,090	3,583,370	61%
May	1,618,625	1,849,520	12%
June	2,056,070	1,944,380	-6%
July	1,877,845	1,859,645	-1%
August	2,902,795	1,977,065	-47%
September	2,011,375	1,501,075	-34%
October	2,881,385	1,392,300	-107%
November	2,051,655	1,248,330	-64%
December	3,417,010	1,421,630	-140%
TOTAL	26,531,525	24,057,700	-10%

Landfill Gas Monitoring

The 2024 Landfill Gas Monitoring Evaluation for JRL is included as Attachment G of this report. This routine landfill gas monitoring took place at various on-site gas management locations with results being submitted via electronic deliverable documents to the MEDEP as required.

The 2024 monitoring data associated with the landfill gas collection and treatment system indicates that the system is operating in accordance with the facility's air license.

Air Monitoring

The 2024 Air Monitoring Evaluation for JRL is included as Attachment H of this report. Two types of air monitoring activities occurred on-site during 2024: (1) hydrogen sulfide (H_2S) monitoring with stationary continuous monitors, and (2) quarterly methane (CH_4) emission surface scans on the landfill intermediate cover. Additionally, odor complaints from the 24-hour JRL odor complaint hotline provided an opportunity to evaluate the effectiveness of odor control measures at the JRL.

Geotechnical Monitoring

The 2024 Annual Geotechnical Monitoring Report for JRL is included as Attachment I of this report. During 2024, JRL continued to monitor site settlement and stability as in the past with the assistance of Dr. Richard Wardwell.

The report describes the geotechnical activities performed in accordance with the current Geotechnical Monitoring Plan (Appendix N of the Operations Manual) and the Stability and Settlement Monitoring Plan (Section 3.1.5 of the Design Report), prepared and included as part of the JRL Expansion Application for a new solid waste license, as approved by the MEBEP under Solid Waste License #S-020700-WD-BI-N and Natural Resources Protection Act #L-19015-TG-D-N dated 06/01/2017.

Results of this monitoring verify the consistency of the landfill's geotechnical performance with design parameters and assumptions, and with the goals of the JRL Expansion Operations Manual (NEWSME 2024). Specifically, geotechnical monitoring during 2023 included: (1) visual observation of landfill slope stability, settlement, and general landfill conditions, (2) assessment of site aerial topographic surveys; (3) a review of waste types, quantities, location of waste placement, and filling sequences, and (4) evaluation of fluid levels in the leachate collection layer of Cells 11, 12, 13, 14, and 15.

6.0 FINANCIAL ASSURANCE

The closure and post-closure costs have been recalculated to reflect those Cells that, as of the end of calendar year 2024, have been or will be constructed, but have not received final cover. A copy of the revised closure and post-closure costs may be found in Attachment J of this report. Following approval of the estimates, a revised financial assurance package will be submitted to the MEDEP under a separate cover.

7.0 MSW DIVERSION

In accordance with Condition #5 of Solid Waste Order #S-020700-WD-BC-A, a summary of best efforts by CWS to divert MSW from landfilling at JRL to the greatest extent practicable has been completed and may be found in Attachment K of this report.

ATTACHMENT A

Compliance Self Audit

JUNIPER RIDGE LANDFILL
COMPLIANCE SELF-AUDIT EVALUATION
REPORT YEAR 2024

This Compliance Self-Audit Evaluation is to be used to perform an annual audit of landfill operations as required by of Chapter 401, Section 4.D. (1) (b) of the State of Maine Solid Waste Management Rules. The purpose of this audit is to verify general compliance with the site operations manual, licenses and regulatory requirements. Qualified facility personnel performed the audit.

Facility Name……………….	**Juniper Ridge Landfill (JRL)**
Location……………………..	**Old Town, Maine**
Audit for Calendar Year…..	**2024**
Compliance Auditor………..	**Jeffrey M Pelletier**
Title………………………….	**Environmental Manager**
Signature of Auditor……….	

GENERAL EVALUATION:

1. Are active facility licenses kept on file at the facility?

Copies of active MEDEP licenses may be found in the Environmental Manager's office located at Pine Tree Landfill. Licenses are also available electronically to the landfill supervisor and staff at the JRL site.

2. Do the facility licenses have special license conditions relating to landfill operations?

Yes, a number of conditions are laid out in various licenses held by the facility. MEDEP licensed conditions are entered into a company Environmental Compliance Database that allows the division manager and compliance manager to monitor compliance with submission deadlines and fee requirements.

3. What pending licenses or approvals were sought from the MEDEP at the time of this audit.

- Stage 3 Final Cover Design (submitted 02/21/25)
- 2025 Annual Oversized Bulky Waste Limit Request Form submittal (pursuant to Condition 2 (D) of Solid Waste Minor Revision License #S-020700-WD-CM-M) (submitted 01-30-25).
- RNG Solid Waste Minor Revision (Submitted March 18, 2025)

4. Date of payment of MEDEP Annual Report/License Fees.

- MEDEP 2024 annual report fee of $4,976.00 was paid on February 18, 2025.
- MEDEP 2024 annual license fee of $18,455.00 was paid on June 25, 2024.

5. Date of submittal of previous MEDEP Annual Report & Report/License Fees.

- MEDEP 2023 annual report was submitted on April 30, 2024.
- MEDEP 2023 annual report fee of $4,777.00 was paid on February 27, 2024.
- MEDEP 2023 annual license fee of $17,340.00 was paid on July 13, 2023.

6. Does the facility have a Host Community Agreement in-place and on file?

A Host Community Compensation and Facility Oversight Agreement was signed with the City of Old Town on December 8, 2005. Although not a host community, a Community Benefits Agreement also was signed with the Town of Alton on October 6, 2005. Copies of these agreements may be found in the Division Manager's Office.

7. Does the facility have a current liability insurance policy in-place and on file at the facility?

Yes, a copy of the policy is available in the Division Manager's Office.

8. Has the facility submitted an executed financial assurance instrument for closure and post closure care along with updated closure/post closure cost estimates to the MEDEP?

Yes, performance bonds were initially provided to the MEDEP on February 19, 2004. An updated financial assurance package for the closure/post-closure care is provided to the MEDEP within the annual report.

9. Last date a certified copy of the facility Operations Manual was updated.

An update to the JRL Expansion Operations manual was distributed in April 2024 alongside the 2023 Annual Report.

10. MEDEP approval date of last updated Operations Manual.

The facility Operations Manual was formally approved on June 01, 2017 as part of Solid Waste Order #S-020700-WD-BI-N.

11. Number and locations of the Certified Copies of the Operations Manual.

Certified copies of the Operations Manual may be found at the following locations:

- The Augusta Office of the MEDEP
- The Municipal Office of the City of Old Town
- JRL's Environmental Compliance Manager's Office
- JRL's Operations Supervisor's Office
- Manager of State Landfills at the Maine Bureau of General Services

12. Operational personnel who received landfill training during audit year.

During 2024, operations personnel received monthly training sessions on a variety of topics relating to safety, environmental compliance, and landfill operations. Records relating to the ongoing training of landfill personnel are kept on file in the Landfill Operation's Managers office.

13. Are only solid wastes or special wastes as allowed in the landfill's current license accepted and are those wastes handled as described in the landfill's Operations Manual?

JRL Staff work diligently to only accept approved non-hazardous special and solid wastes approved by licenses and approvals. Materials being accepted at JRL and are being characterized according to the conditions laid out in the facility's Waste Characterization Plan.

14. Are solid wastes and special wastes permitted for acceptance characterized on an ongoing basis in conformance with the characterization plan approved by the Department?

Yes, those wastes are being characterized at the required intervals and/or tonnage rates. Records associated with waste acceptance are kept on file electronically.

15. Is access to the facility controlled so that the public is not exposed to potential health and safety hazards and access is only permitted when an attendant is on duty?

Yes, an attendant is located at the scale house during operational hours. During non-operational hours the facility is manned by security personnel that perform regular site inspections. For public safety reasons, non-employee visitors entering the site during operational hours must first stop at the scalehouse and check in prior to further entry. The site is secured with fencing. Doors and gates around the site are secured unless in use.

16. Are the hours of operation and other limitations for access and use prominently posted at the entrance to the landfill?

Yes, the facility has the required signage in-place at the entrance to the landfill prior to and at the scale house. Additional signage is placed in prominent areas throughout the landfill.

17. Are the access roads within the facility maintained?

Yes, roads from the entrance to the active landfill are maintained year-round to accommodate passage of vehicles.

18. Are any access roads into the active cell of the landfill constructed and maintained to prevent migration of leachate outside of the cell.

Yes, the main access road into the active cell is designed to prevent leachate from migrating outside of the cell.

19. Is a road maintenance program appropriately implemented to prevent the accumulation of dust, mud, or wastes from the facility access, public, or private roads?

Yes, paved roads are mechanically swept, scraped, and/or plowed as needed to prevent accumulation of undesirable material on the roads. Roads are additionally watered seasonally as necessary as a further dust control measure.

20. Are the appropriate signs posted or other approved means implemented to indicate clearly where solid waste is to be unloaded and the location of any separate handling areas?

Yes, drivers are directed by the scale house attendant and/or landfill operators to the proper staging/unloading area where they are then given further instructions via radio communications with the operators. Delivery vehicles utilizing the site are required to be equipped with a means of radio communication. Hand-held radios are made available as needed.

21. Are the setbacks and buffer strips approved by the Department being maintained?

Yes, required setbacks and buffers are being maintained as required.

22. Are the cell development plans up-to-date and submitted with the annual report?

Yes, cell development plans are included as part of the updated operations manual section for Cells 11-16. Cell 17 plans will be added once the design is completed and approved.

23. Is compaction performed at least once per operating day and more often as necessary unless otherwise approved by the Department?

Compaction is currently being achieved at JRL with the use of compactors that are operated in a manner to achieve favorable compaction rates.

24. Has cover been placed as outlined in the operations manual?

Yes, suitable waste materials, (i.e., alternate daily cover), approved Atmos soil equivalent foam, and soil are primarily the materials being utilized as daily cover. Intermediate soil/synthetic cover materials are being installed as slopes reach appropriate elevation & grades. Stages 1 and 2 Final Cover systems have been installed and Stage 3 Final Cover system is scheduled to be installed in 2025.

25. Have storm water management and erosion control measures been implemented as outlined in the operations manual?

Yes, storm water management & erosion control measures are being utilized as outlined in JRL's Storm Water Pollution Prevention Plan, located in the Operations Manual. The plan was last updated in April 2025.

26. Are leachate management systems including collection, transport, storage, and pumping systems maintained in accordance with the site Operations Manual?

Yes, systems receive regularly scheduled maintenance and are inspected at pre-determined intervals in accordance with the site Operations Manual.

27. Are landfill gas systems installed and maintained as outlined in the Operations Manual?

Yes, the landfill maintains an active gas collection system consisting of horizontal gas collection piping, vertical wells, and a flare. The system is regularly maintained.

28. Is a methane gas-monitoring program implemented to verify the concentration of explosive gases generated by the landfill, and if an exceedance is triggered, appropriate steps are taken to protect human health and the Department notified of the occurrence and the protective steps that were taken?

Yes, methane gas monitoring is being performed as required at the groundwater quality wells, landfill surfaces, at landfill structures, and LFG wellheads as required. The facility has developed a plan of action that needs to be followed should elevated levels be detected. Elevated levels of H_2S (a separate component of LFG) were detected in 2024 and reported as required.

29. Are routine inspections of the landfill facilities performed as outlined in the Operations Manual, and are records of the inspections kept on file at the facility?

Yes, routine inspections are performed at pre-determined frequencies in compliance with the site Operations Manual, with records of inspections kept on file in the Environmental Manager's office.

30. Does the facility have a fire protection plan in-place and is it outlined in the operations manual?

Yes, fire protection procedures are located in the JRL Operations Manual and are being followed as required.

31. Does the facility have a hazardous and special waste handling and exclusion plan and is it implemented at the facility?

Yes, the hazardous and special waste handling and exclusion plan may be found in the Operations Manual. Appropriate response procedures are followed as required.

32. Does the facility have a litter control plan and is it implemented as outlined in the Operations Manual?

Yes, the facility controls litter using strategically placed litter fencing and regular litter patrols.

33. Has the Environmental Monitoring Program been implemented as outlined in the Operations Manual?

Yes, requirements as laid out in the environmental monitoring plan are being adhered to and are in the Operations Manual.

34. Environmental sampling events being conducted as required and results reported to the MEDEP.

A record of environmental sampling events with corresponding dates may be found in the annual water quality report being submitted to the MEDEP as part of the Annual Report. Site water quality monitoring was completed on a tri annual basis in April, July, and October, with monitoring reports from those events submitted to the MEDEP.

35. Are waste staging and storage areas maintained as outlined in the Operations Manual?

Yes, staging and storage areas are being operated and maintained in accordance with the site Operations Manual.

36. Is a vector control program in-place and implemented as outlined in the operations manual?

Yes, a pest control service regularly visits the site and maintains control devices. Additionally, the facility utilizes lethal & non-lethal means of deterring bird populations.

37. Does the facility accept asbestos wastes?

The facility is only licensed to accept non-friable asbestos containing waste and manages the material in a manner that minimizes exposure during offloading.

ATTACHMENT B

Annual Solid Waste Management Report

ANNUAL SOLID WASTE MANAGEMENT REPORT
FOR LICENSED LANDFILLS

FACILITY NAME: Juniper Ridge Landfill Report For Year: 2024

DEP LICENSE NUMBER #S-020700-WD-N-A & #S-020700-WD-BI-N

This report includes information on solid waste handling and disposal per 06-096 C.M.R. ch. 401, § 4(D) and § 7(G)(21), as applicable, for the following facility and/or municipalities, as applicable (please list all users):

CONTACT PERSON: Jeffrey Pelletier Title: Environmental Manager
Mailing Address: 358 Emerson Mill Road
City/Town: Hampden Zip Code: 04444
Phone: 207-249-8025 E-mail: jeffrey.pelletier@casella.com

LANDFILL MANAGER: Wayne Boyd
Mailing Address: 358 Emerson Mill Rd.
City/Town: Hampden Zip Code: 04444
Phone: 207-694-5510 E-mail: wayne.boyd@casella.com

■ **Please check here if a stand-alone annual report is being submitted. If so, submit this cover sheet only along with your report.**

I have examined this report to the best of my knowledge and believe this report is true, accurate and complete.

Signature of person completing this form: Jeff P Date Signed 04/30/25

Printed name of person completing this form: Jeffrey Pelletier

Please return one (1) paper copy and an electronic copy of your completed form with the required annual report fee by April 30th of each year to:

Geraldine Travers
Maine Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017

ATTACHMENT C

Updated Operations Manual Sections

Appendices included within Attachment C:

1) Binder Cover/Spline Labels
2) JRL Expansion Operations Manual Narrative
3) MEDEP Operating Permits (Ops. Manual - APPENDIX A)
4) Operator Training Program Outline (Ops. Manual - APPENDIX C)
5) Stormwater Management and Erosion Control Plan - SWPPP (Ops. Manual - APPENDIX F)
6) Odor Complaint Management and Response Plan (Ops Manual - APPENDIX K)
7) Facility Notification Procedures (Ops Manual - APPENDIX M)
8) Operational and Inspection Forms (Ops Manual - APPENDIX O)
9) JRL RNG Gas Treatment Systems Monitoring and SSM Plan (Ops Manual - APPENDIX R)

For the digital version, these documents will be inserted and submitted as a separate combined updated operations manual that has been revised in April 2025.

ATTACHMENT D

Facility Inspection Reports/

Other Maintenance Activities

Appendices included within Attachment D:

10) Weekly/Monthly/Quarterly Site Inspection Reports & JRL Other Maintenance Activities

Weekly/Monthly Site Inspection Reports

WEEKLY/MONTHLY INSPECTION FORM

Site Name/Company	Juniper Ridge Landfill/NEWSME Landfill Operations, LLC
Location	2828 Bennoch Road, Alton, Maine
Date of Visit	4-23-24
Inspector Name/Signature	Brandon Bieda / [signature]

Note: For weekly inspections, only Table 1 and Table 3 need to be completed. For monthly inspections, Tables 1, 2 and 3 need to be completed.

Table 1
Inspection of Active Areas at the Facility

Active Areas at the Facility			
Leachate	Is leachate observed on the ground, or leaking from tanks or piping, with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
Access Roads	Are industrial materials, residue or trash observed on roads where vehicles enter or exit the active landfill with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
MSW and CDD (windblown debris)	Is MSW and/or CDD on ground, tracking, blowing or whirling with evidence of or the potential to impact stormwater?	☐ Yes ☐ No	☑ Comments (see below)
Borrow Pit	Is there evidence of tracking or erosion from site soil borrow areas with potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
Mobile Equipment	Is mobile equipment leaking oil or other liquids with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)

Active Areas at the Facility	
Comments	- mild windblown litter, Pickers are on site at time of inspection 04-25-24 See Corrective Action report 04-08-24

Table 2
Inspection of Stabilized Areas at the Facility

Stabilized Active Areas at the Facility			
Leachate	Is leachate observed on the ground, or leaking from tanks or piping, with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
Access Roads	Are industrial materials, residue or trash observed on roads where vehicles enter or exit the active landfill with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
MSW and CDD (windblown debris)	Is MSW and/or CDD on ground, tracking, blowing or whirling with evidence of or the potential to impact stormwater?	☐ Yes ☐ No	☑ Comments (see below)
Comments	- mild windblown litter, Pickers on site at time of inspection 04-28-24 See corrective Action Report 04-08-24		

Table 3
Inspection of Stormwater BMPs, Conveyances and Outfalls

BMP	Describe where any of the following were observed: • Any evidence that the BMP is not functioning properly.
Detention Pond 1	Functioning Properly
Geomembrane Lined Storage Pond	Functioning Properly (Not currently flowing into pond 1)
Detention Pond 2	Functioning Properly
Detention Pond 6	Functioning Properly
Litter Fence	Functioning Properly
Lechate Storage Tank Containment Area	Functioning Properly, Checked plugs on lechate tank
Leachate Storage Tank Containment Area Riprap Outlet	Functioning Properly
Leachate Loading Rack Catch Basin	Functioning Properly
Detention Pond 9	Functioning Properly
2,000-Gallon Underground Storage Tank	Functioning Properly
Detention Pond 11	Functioning Properly
RNG Facility Stormwater Pond	Functioning Properly
Detention Pond 10	Functioning Properly

Table 3
Inspection of Stormwater BMPs, Conveyances and Outfalls

BMP	Describe where any of the following were observed: o Any evidence that the BMP is not functioning properly.
Outfall No. 1	Functioning Properly, Slight flow (clear)
Outfall No. 2	Functioning Properly, No Flow
Outfall No. 4	Functioning Properly, Flowing Clear
Outfall No. 5	Functioning Properly, Flowing Clear
Outfall No. 6	Functioning Properly, No Flow
Outfall No. 7	Functioning Properly, Flowing Clear

Table 4
New Potential Pollutant Source and/or Recommendations for Additional BMPs

Reference	Description	Schedule

Certification

- ☒ Site is in compliance with SWPPP and MSGP.
- ☐ Site is not in compliance with SWPPP and MSGP and either structural control measure maintenance, additional controls, or modifications to the SWPPP are required.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	
Name: Jeffrey Pelletier	**Telephone:** 207-249-8025
Signature:	**Date:** 04-26-24

CORRECTIVE ACTION REPORT

Site Name/Company: JRL NEWSME Landfill Operations LLC	
Location: Juniper Ridge Landfill	
Contact Name: Jeffrey Pelletier	**Contact Signature:** [signature]
Date of Discovery: 04-08-24	
Date of Corrective Action Initiation: 04-08-24 (Started picking on 04/09)	
Date of Corrective Action Completion: 05-01-24	
Condition Requiring Corrective Action	As snow melts litter from windy days throught winter is appered. Total Site litter pick required
Immediate Measures Taken to Control	Informed site operations manager (Brandon/ Luigi)
Measures Taken to Prevent Re-Occurrence	Keep picking wind blown litter as it appers & when the wind blows

Corrective actions must be completed within 14 days of the discovery of the condition. SWPPP modifications must be completed within 14 days of the completion of the corrective action. In the case of a spill, fill out Appendix E – Spill Report in addition to this form.

If it is not feasible to complete the corrective action within 14 days, please describe the reason and proposed schedule for completion: Entire Site Clean up. Working with Labor Services to Find help. Pickers working until everything looks good as weather permits.

If corrective actions cannot be completed within 45 days of discovery, MEDEP must be notified.

STI SP001 MONTHLY ABOVEGROUND STORAGE TANK AND CONTAINER CHECKLIST
NEWSME LANDFILL OPERATIONS LLC – JUNIPER RIDGE LANDFILL
2828 BENNOCH ROAD, ALTON, MAINE

INSPECTOR'S SIGNATURE:	DATE:	INSPECTOR'S TITLE:
Luigi Pizzuti / [signature]	9-27-2024	Environmental Analyst

The checklist shall be completed on a monthly basis and be retained with the SPCC Plan for at least 3 years.

TANK #:	1	2	3	4	5	6	7	8	9	Tote	Drums	Drums
LOCATION:	Maintenance Building		Outside Maintenance Building	Delivery Truck (Active Cell of Landfill)	Active Cell of Landfill		Office Building	Diesel Generator	LFG Treatment Facility	Maintenance Building		Rubb Building
CONTENTS:	500-GAL Motor Oil	500-GAL Hydraulic Oil	1,500-GAL Gasoline	500-GAL Diesel	275-GAL Hydraulic Oil	2,500-GAL Diesel	275-GAL No. 2 Fuel Oil	366-GAL Diesel	270-GAL Mineral Oil	275-GAL Used Oil	55-GAL Drums Varies	55-GAL Drums Varies
TANK CONTAINMENT:												
Water in primary tank, secondary containment, interstice, or spill container?	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ○ NA ● No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ○ NA ● No	○ Yes ● NA ○ No			
Debris or fire hazard in containment?	○ Yes ○ NA ● No	○ Yes ○ NA ● No	○ Yes ○ NA ● No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ○ NA ● No	○ Yes ● NA ○ No			
Drain valves operable and in a closed position?	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No			
Containment egress pathways clear and gates/doors operable?	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No			
Concrete intact and in good condition with no cracks?	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No			
LEAK DETECTION:												
Visible signs of leakage around the tank, concrete pad, containment, ring wall or ground?	○ Yes ○ NA ● No	○ Yes ○ NA ● No	○ Yes ○ NA ● No	○ Yes ○ NA ● No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ○ NA ● No	○ Yes ○ NA ● No			
TANK ATTACHMENTS AND APPURTANCES:												
Ladder and platform structure secure with no sign of severe corrosion or damage?	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No			
Tank liquid level gauge readable and in good condition?	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No			
Tank openings properly sealed?	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No			

COMMENT ON MAINTENANCE OR REPAIR NEEDED ON THE LAST PAGE OF THIS DOCUMENT FOR ANY MARKED RED UNDERLINED CHECK BOX.

STI SP001 MONTHLY ABOVEGROUND STORAGE TANK AND CONTAINER CHECKLIST
NEWSME LANDFILL OPERATIONS LLC – JUNIPER RIDGE LANDFILL
2828 BENNOCH ROAD, ALTON, MAINE

TANK #:	1	2	3	4	5	6	7	8	9	Tote	Drums	Drums
GENERAL HOUSEKEEPING:												
Fire extinguisher nearby?	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No			
Spill equipment nearby?	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No			
PORTABLE CONTAINERS:												
Are portable containers in designated storage area?										● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No
Debris, spill, or other fire hazards in containment or storage area?										○ Yes ○ NA ● No	○ Yes ○ NA ● No	○ Yes ○ NA ● No
Water in outdoor secondary containment?										○ Yes ○ NA ● No	○ Yes ○ NA ● No	○ Yes ○ NA ● No
Drain valves operable and in a closed position?										● Yes ✗ NA ○ No	○ Yes ● NA ○ No	○ Yes ● NA ○ No
Egress pathways clear and gates/doors operable?										● Yes ○ NA ○ No	● Yes ○ NA ○ No	● Yes ○ NA ○ No
Container distorting, buckling, denting, or bulging?										○ Yes ○ NA ● No	○ Yes ○ NA ● No	○ Yes ○ NA ● No
Visible signs of leakage around the container or storage area?										○ Yes ○ NA ● No	○ Yes ○ NA ● No	○ Yes ○ NA ● No

COMMENTS / REPAIRS / MAINTENANCE:

Quarterly
Site Inspection
Reports

ROUTINE INSPECTION REPORT

Site Name/Company	Juniper Ridge Landfill/NEWSME Landfill Operations, LLC
Location	2828 Bennoch Road, Alton, Maine
Date of Visit	10-22-2024
Inspector Name/Signature	Luigi Pizzuti / [signature]
Weather	Sunny 56°F

Does this inspection qualify as the one required annual inspection conducted during qualifying storm event? ☐ Yes ☒ No

Are there any new discharges or pollutants at the site? ☐ Yes ☒ No

Table 1
Inspection of Potential Pollutant Sources (PPS)

[illegible]	Description
[illegible]	[illegible] Tracking or blowing of raw, final, or waste materials.
Scale House and Scale	No discharges
Soil Stockpile Areas	No discharges
Borrow Pit	No discharges
Wood Waste Handling Area	No discharges
Maintenance Building	No discharges

Table 1
Inspection of Potential Pollutant Sources (PPS)

Rubb Building	No discharges
LFG Treatment Facility	No discharges
RNG Facility	No discharges
Leachate Storage Tank	No discharges
Leachate Loading Rack	No discharges
Leachate Collection System	No discharges
Gravel Laydown Area	No discharges
Employee Parking Area	No discharges
1,500-Gallon Gasoline Tank	No discharges
2,500-Gallon Diesel Delivery Truck	No discharges
Access Roads	No discharges

Table 2
Inspection of Structural Control Measures and Outfalls

BMP	Describe where any of the following were observed: 1. Any evidence that the BMP is not functioning properly? 2. Any evidence of erosion and 3. Industrial materials, residue, or trash.
Detention Pond 1	Functioning properly / draining slowly
Geomembrane Lined Storage Pond	water level very low Functioning properly / no out flow
Detention Pond 2	Functioning properly / no flow
Detention Pond 6	Functioning properly / pond dry
Litter Fence	Functioning properly
Leachate Storage Tank Containment Area	plugs pulled Functioning properly / No liquid found
Leachate Storage Tank Containment Area Riprap Outlet	some water drip Functioning properly / draining slowly / clear
Leachate Loading Rack Catch Basin	Functioning properly
Detention Pond 9	Functioning properly / draining slowly
2,000-Gallon Underground Storage Tank	Functioning properly / no discharges
Detention Pond 10	Functioning properly / draining
Detention Pond 11	Functioning properly / draining
RNG Facility Stormwater Pond	Functioning properly

Table 2
Inspection of Structural Control Measures and Outfalls

Outfall No. 1	Functioning properly / trickle in flow / clear
Outfall No. 2	Functioning properly / no flow
Outfall No. 4	Functioning properly / no flows
Outfall No. 5	Functioning properly / trickle flow - clear
Outfall No. 6	Functioning properly / small pipe - steady flow, clear / overflow pipe - trickle clear
Outfall No. 7	Functioning properly / steady flow - clear

Table 3
Corrective Actions Required for PPS(s) and/or Existing Structural Control Measures

Reference	Description/Schedule	Date Completed

Table 4
Recommendation for New PPS(s) and/or Structural Control Measures

Reference	Description/Schedule	Date Completed

Table 5
Modifications Required to SWPPP or Site Plan

Reference	Description

Certification

☒ Site is in compliance with SWPPP and MSGP. ☐ Site is not in compliance with SWPPP and MSGP and either structural control measure maintenance, additional controls, or modifications to the SWPPP are required.
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name:	Jeffrey Pelletier	**Telephone:**	207-249-9025
Signature:	Jeffrey	**Date:**	10-22-24

QUARTERLY VISUAL MONITORING FORM

Person Collecting Sample: Brandon Bieda / Luigi Pizzuti

Person Performing Visual Assessment: Brandon Bieda

Site Name and Address: Juniper Ridge Landfill, 2828 Bennoch Road, Alton, Maine

Date and Time: 01-10-24 1:00 PM-1:45 PM

Time Since Previous Storm Event: >72 Hours (01-06-24)

Time Since Current Storm Event Began: 6:45 AM (6 hours and 15 min)

Measurable Discharge from Outfall(s): Yes from outfalls 1,2,4,5,6,7

Outfall	Time	Type of Discharge (rainfall/ snowmelt)	Observations								
			color	odor	clarity	floating solids	settled solids	suspended solids	foam	oil sheen	other
Outfall #1	1:20 PM	Rainfall	Clear	Normal	Clear	None	None	None	None	None	
Outfall #2	1:10 PM	Rainfall	Clear	Normal	Clear	None	None	None	None	None	
Outfall #4	1: 00 PM	Rainfall	Light Brown	Normal	Cloudy	None	Minuscule of Sand	None	None	None	
Outfall #5	1:30 PM	Rainfall	Clear	Normal	Clear	None	None	None	None	None	
Outfall #6	1:35 PM	Rainfall	Clear	Normal	Cloudy	None	Minuscule of Sand	Minuscule of Sand	None	None	
Outfall #7	1:45 PM	Rainfall	Clear	Normal	Clear	None	None	Minuscule of Sand	None	None	
Comments											

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Title: Environmental Manager Date: 01-10-24

2024 Juniper Ridge Landfill Other Maintenance Activities	
Below is a list of all other maintenance activities that occurred throughout 2024. A list of all leachate maintenance and cleaning activities is chronologically listed in Attachment E of the 2024 JRL Annual Report.	
Access Road Maintenance	
●	Access roads going to the top of the landfill and around the north, west, and south sides of the landfill perimeter were graded as necessary.
●	All access roads were swept and watered as necessary.
●	Paving was completed along the main access road to repair potholes.
Landfill Cover System Maintenance	
●	Various repairs were made to the existing 30/40 mil intermediate cover system due to tears, rips, and holes from liner movement, settlement, and the wind.
Landfill Gas System (LFG) Maintenance	
●	Roughly 66 major improvements were made to the LFG system throughout 2024. These improvements included: well/gas collection trench installations/extensions, and vacuum header pipe installions. Additionally, maintenance to well head collection components (valves, ports, hoses) were also completed as nessary. Torn well boots were repaired along with other intermediate cover repairs.
●	The flare flame arrestor was cleaned periodically.
●	Routine maintenance was performed at the JRL Thiopaq Facility in accordance with the Facility's operations manual.
●	Condensate knockout pots (KOP) were cleaned as necessary.
Other Site Maintenance	
●	Third party contractors were used to mow around the landfill perimeter, along access roads, and along security fencing.
●	Archaea contractors building the RNG facility performed regular clean up while buiding/commisioning the new facility.
Scale House Maintenance	
●	Gravel along the road shoulders was graded periodically.
●	Scales were cleaned, de-iced, and calibrated as necessary.
Stormwater Maintenance	
●	All stormwater ditches around the landfill were cleaned routinely. Culverts were cleaned and new rip-rap was installed as necessary.
●	New erosion control mix was added and used as necessary during on-site construction activities
●	Seeding and mulching occurred as necessary to prevent erosion.
●	Continuous litter patrols were performed by 3rd party temporary personnel.

ATTACHMENT E

Leachate Collection Maintenance Activities

2024 Juniper Ridge Landfill Leachate Maintenance and Repairs	
4/2/2024	Replaced both level transducers in the Cell 4 pump station.
5/29/2024	Cleaned the leachate collection sumps, pumps, piping, valves, and flow meter in the Cell 4 pump station.
6/7/2024	Replaced the leak detection level transducer in the Cell 12 pump station.
6/25/2024	Replaced the wire leads on Pump #1 motor in the Cell 4 pump station.
7/26/2024	Replaced Pump #1 level transducer in the Cell 4 pump station.
7/26/2024	Replaced Pump #1 level transducer in the Cell 8 pump station.
7/30/2024	Cleaned the leachate collection sumps, pumps, piping, valves, and flow meter in the Cell 5 pump station.
7/31/2024	Cleaned leachate collection Pump #1 sump, pump, piping, valve, and flow meter in the Cell 4 pump station.
8/15/2024	Inspected the leachate tank and force main for cleanliness. Cleaning was not required in 2024.
9/24/2024	Replaced Pump #2 level transducer in the Cell 8 pump station.
12/4/2024	Installed new heater in the Cell 11 pump station.
12/4/2024	Installed new heater in the Cell 14 pump station.
12/6/2024	Completed a cleaning of all the leachate collection lines around the landfill.
12/9/2024	Cleaned the leachate collection sumps, pumps, piping, valves, and flow meter in the Cell 14 pump station
12/10/2024	Replaced Pump #1 and cleaned the sump in the Cell 4 pump station.
12/17/2024	Cleaned the leachate collection sumps, pumps, piping, valves, and flow meter in the Cell 8 pump station.

Additional Items Completed:

Surface water from the leachate force main manholes were completed at least Quarterly throughout 2024. At that time force mains infrastructure and pressure gauges were inspected.

ATTACHMENT F

Water Quality Monitoring Report

2024 ANNUAL WATER QUALITY REPORT
JUNIPER RIDGE LANDFILL

Prepared for

NEWSME LANDFILL OPERATIONS, LLC

STATE OF MAINE
LISA L. JACOB
GE603
GEOLOGIST
4/24/2025

April 2025

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Cumberland, ME 04021

Tel: 207.829.5016 sme-engineers.com

SME
SEVEE & MAHER
ENGINEERS

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2024 ANNUAL WATER QUALITY REPORT
JUNIPER RIDGE LANDFILL

1.0 INTRODUCTION

The Juniper Ridge Landfill (JRL or site) is a secure landfill located on a 780-acre parcel in Old Town, Maine. It is owned by the Maine Bureau of General Services (BGS) and is operated by NEWSME Landfill Operations, LLC (NEWSME). Since 2004, JRL has been an integral part of the State of Maine's overall solid waste management program, providing environmentally sound disposal capacity for non-hazardous solid waste generated throughout the State of Maine. Figure 1-1 shows the location of the site. Figures 1-2 and 1-3 show the general site layout and monitoring locations of the site in 2024.

Water quality has been monitored at the site since 1990 when the site was first selected for a landfill.[1] This report describes the results and analysis of the water quality sampling completed by Sevee & Maher Engineers, Inc. (SME) in 2024. The analysis compares the 2024 results to historical water quality at the site, using statistical and graphical evaluations of trends in the data by sample location, and to State and Federal water quality standards. The analysis also looks at the water quality data in terms of the site conditions that exist at the JRL.

1.1 2024 Monitoring Activities

Sampling during 2024 was completed in general accordance with the current Environmental Monitoring Plan (EMP) for the JRL (revised April 2016) and the EMP for the JRL expansion (revised June 2017), as well as an April 2024 EMP submitted to MEDEP that combines the JRL monitoring programs into a single document.[2,3,4] Descriptions of the 2024 water quality monitoring results are provided in this report.

Descriptions of the site setting, facility layout, monitoring locations, analytical parameters, and 2024 site activities are included herein.

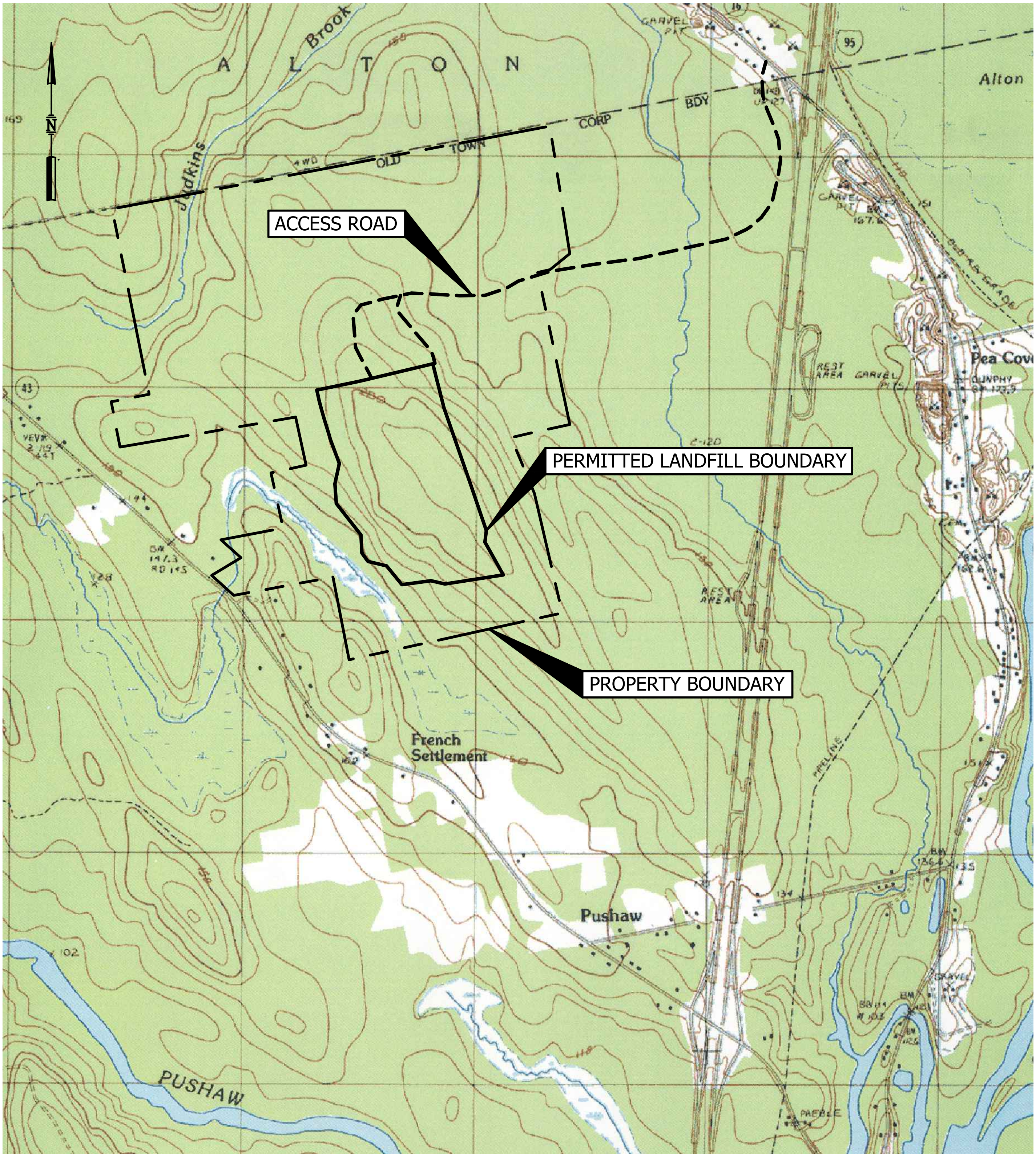
---

[1] The JRL was formerly known as the West Old Town Landfill and was owned and operated by Georgia-Pacific (previously known as Fort James and James River Paper Company) as a secure, non-hazardous, generator-owned waste disposal facility. A comprehensive description of the site setting and hydrogeology is contained in the 1991 report by SME entitled: *James River Paper Company Inc., West Old Town Landfill Project, Old Town Maine, Volume III, Site Investigation and Hydrogeologic Evaluation, August 1991*).

[2] SME, April 2016, Environmental Monitoring Plan, Juniper Ridge Landfill, Old Town, Maine, Prepared for NEWSME Landfill Operations LLC, Revised April 2016.

[3] SME, June 2017, Juniper Ridge Landfill Expansion Application Environmental Monitoring Plan, Submitted by: State of Maine Bureau of General Services, as Owner and NEWSME Landfill Operations, LLC, as Operator, July 2015 (Revised June 2017).

[4] SME, April 2024, Environmental Monitoring Plan, Juniper Ridge Landfill, Old Town, Maine, prepared for NEWSME Landfill Operations LLC. Revised April 2024.



BASE MAP ADAPTED FROM 7.5 MIN
USGS TOPOGRAPHIC QUADRANGLE
OLD TOWN, MAINE-1988

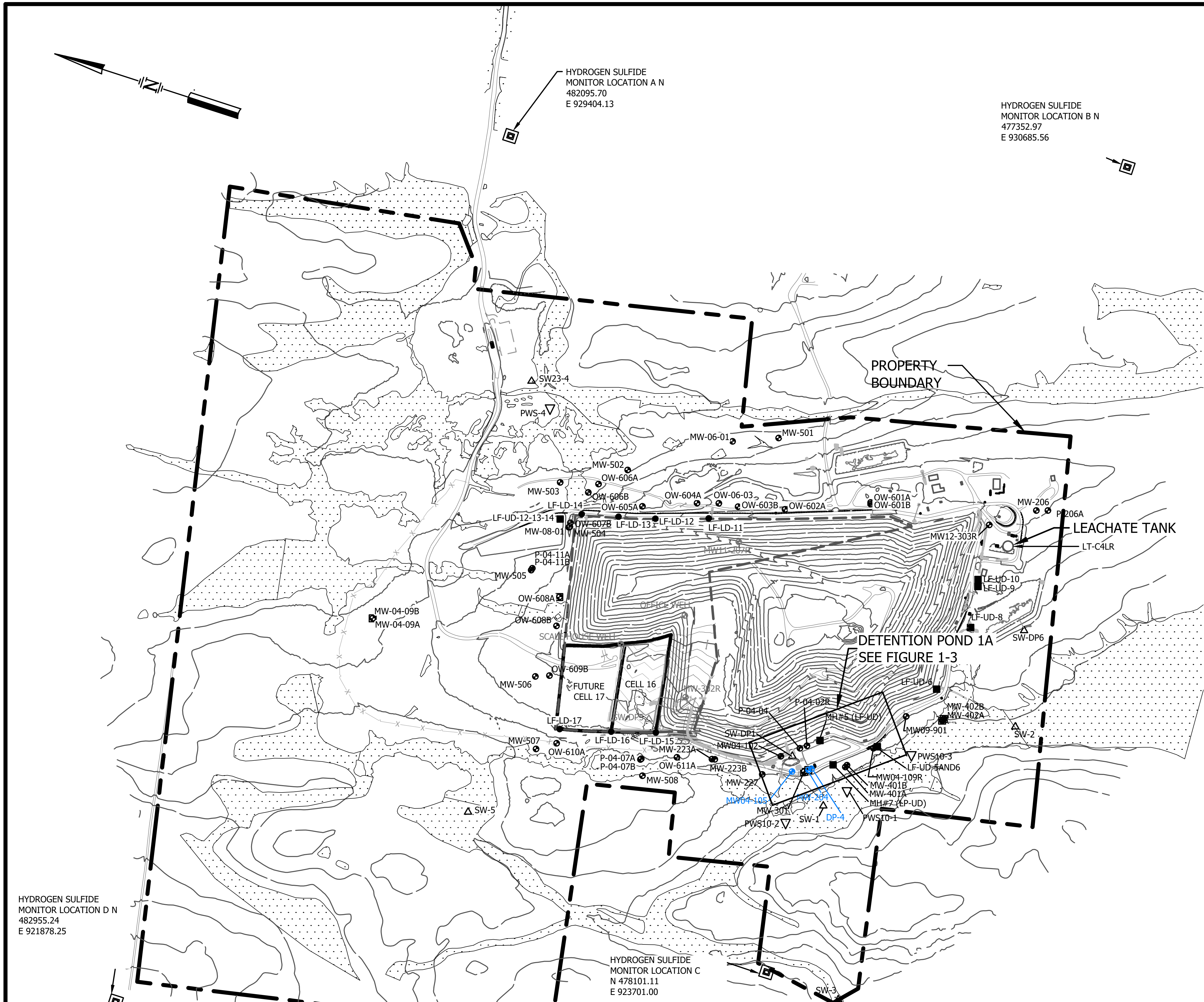
1000 0 2000 FEET

FIGURE 1-1
SITE LOCATION MAP
JUNIPER RIDGE LANDFILL
OLD TOWN, MAINE

SME
SEVEE & MAHER
ENGINEERS

DWG: SITELOC LMN: FIG 1 CTB: SME-STD REV: 4/5/2022

\\Nserver\cfs\Casella\OldTownLandfill\GeneralSiteInfo\Usgs\SITELOC.dwg, FIGURE 1-1, 4/5/2022 6:35:05 AM, sjm



LEGEND

- GROUNDWATER SAMPLING AND GAS MONITORING LOCATION
- DECOMMISSIONED WELL
- SURFACE WATER SAMPLING LOCATION
- HYDROGEN SULFIDE MONITORING LOCATION
- PORE WATER SAMPLING LOCATION
- FALL FIELD PARAMETER AND GAS MONITORING LOCATION
- LF-UD-6 UNDERDRAIN SAMPLING AND GAS MONITORING LOCATION
- LF-LD-11 LEAK DETECTION SAMPLING AND GAS MONITORING LOCATION

NOTES:

1. TOPOGRAPHY FROM AERIAL SURVEY PERFORMED BY AERIAL SURVEY & PHOTO INC., NORRIDGEWOCK, MAINE. PHOTO DATE 5/31/2024. VERTICAL DATUM: BRASS PLUG AT FORMER LEACHATE POND PUMP STATION. HORIZONTAL DATUM: MAINE STATE COORDINATES EAST ZONE NAD 83. GROUND CONTROL BY SEVEE & MAHER ENGINEERS, INC, CUMBERLAND, MAINE.
2. TOPOGRAPHY CONTOURS INCLUDE PROPOSED TOPOGRAPHY FOR CELL 16 BASE GRADES.

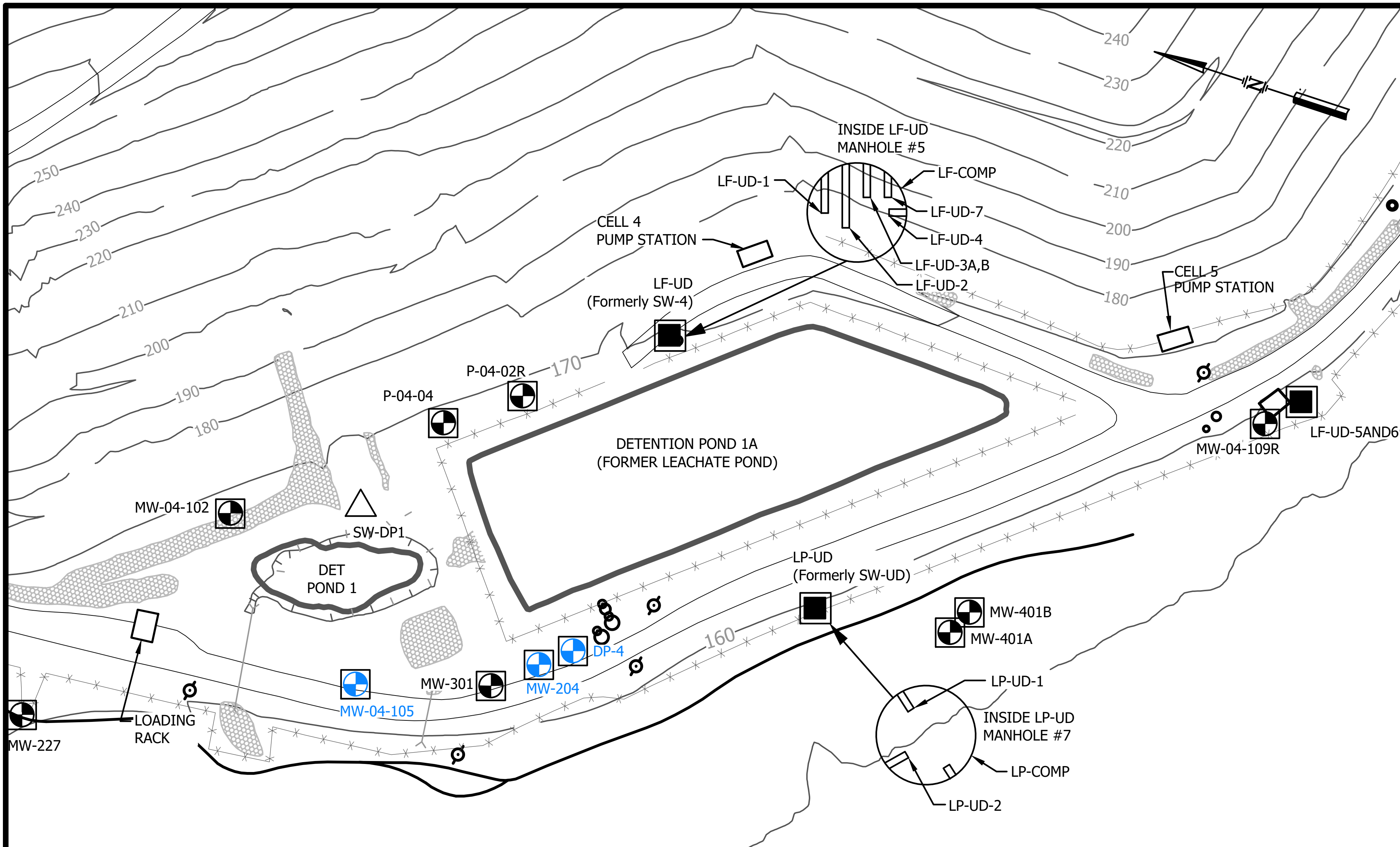
400 0 800 1600 FEET

FIGURE 1-2
SITE LAYOUT AND ENVIRONMENTAL MONITORING LOCATIONS
JUNIPER RIDGE LANDFILL
OLD TOWN, MAINE

SME
SEVEE & MAHER ENGINEERS

DWG: EMP LMN: WQ 1-2 CTB: SME-STD REV: 4/21/2025

\\Nserver\cfs\Casella\OldTown\Landfill\General\SiteInfo\Acad\EMP.dwg, WQ FIG 1-2, 4/21/2025 1:04:00 PM, bwb



NOTE:
TOPOGRAPHY FROM AERIAL SURVEY PERFORMED BY AERIAL SURVEY & PHOTO INC., NORRIDGEWOCK, MAINE. PHOTO DATE 5/31/2025. VERTICAL DATUM: BRASS PLUG AT FORMER LEACHATE POND PUMP STATION. HORIZONTAL DATUM: MAINE STATE COORDINATES EAST ZONE NAD 83. GROUND CONTROL BY SEVEE & MAHER ENGINEERS, INC, CUMBERLAND, MAINE.

50 0 100 FEET

LEGEND

- GROUNDWATER MONITORING LOCATION
- SURFACE WATER MONITORING LOCATION
- GAS MONITORING LOCATION
- UNDERDRAIN MONITORING LOCATION
- FALL FIELD PARAMETER ONLY

FIGURE 1-3
ENVIRONMENTAL MONITORING LOCATIONS
ADJACENT TO
FORMER LEACHATE POND
JUNIPER RIDGE LANDFILL
OLD TOWN, MAINE

SME
SEVEE & MAHER
ENGINEERS

DWG: EMP LMN: WQ 1-3 CTB: SME-STD REV: 4/23/2024

\\Nserver\cfs\Casella\OldTownLandfill\GeneralSiteInfo\Acad\EMP.dwg, WQ FIG 1-3, 4/21/2025 1:06:00 PM, bwb

1.2 2024 Landfill Conditions

The JRL is designed and constructed as a secure waste disposal facility in that the groundwater beneath and adjacent to the site is protected by a composite liner and a leachate collection system. Leachate generated at the site in 2024 was collected and stored in an on-site storage tank and then transported to either the MEDEP licensed wastewater treatment facility at the Old Town Mill owned by Nine Dragons Paper or the Anson Madison Sanitary District for treatment.

Cells 1, 2, 3A, 3B, 4, 5, 6, 7, 8, 9, and 10 account for the 68-acre landfill approved by the Maine Department of Environmental Protection (MEDEP) Solid Waste Order #S-020700-WD-N-A. A landfill expansion was approved by Board Order #S-020700-WD-BI-N and includes expansion Cells 11 through 17. Landfill expansion cells were constructed as needed for landfilling activities during the years listed below:

- Cell 11 in 2018,
- Cell 12 in 2020,
- Cell 13 in 2021,
- Cell 14 in 2022,
- Cell 15 in 2023, and
- Cell 16 in 2024.

Cell 16 construction activities included site grading, construction of the landfill perimeter dike and pump station, and modifications to perimeter stormwater drainage ditches west and north of the landfill. Intermediate cover and landfill gas collection piping and wells were installed within several areas of the active landfill cells in 2024.

Waste filling in 2024 occurred in Cells 1, 2, 3A, 3B, 4, 5, 6, 12, and 15.

The Stage 2 final closure was constructed in 2024. The Stage 2 final closure is approximately 10 acres and covers portions of Cells 4, 5, and 6. The stormwater from the Stage 2 final closure is directed toward Sediment Ponds 2 and 6.

2.0 SITE HYDROGEOLOGIC SETTING

The JRL site is underlain primarily by the glacial till deposited along a northwest-southeast oriented drumlin. There are marine clay deposits of the Presumpscot Formation in the lower topographic areas of the site (e.g., the wetlands in the west and east portions of the site). Throughout the site, the glacial till generally consists of a very dense brown till grading to very dense gray till with depth. The till typically ranges from 20 to 50 feet thick beneath the landfill and thus provides a natural containment layer for the landfill. At a few locations outside of the landfill boundary, bedrock outcrops are exposed at the ground surface. In addition, there are several isolated, discontinuous, washed till zones found beneath the till. However, these discontinuous washed till zones are often found within finer grained glacial tills.

Bedrock beneath the facility has been identified as a light gray and brown metagraywacke and metaquartzite interbedded with dark gray phyllite. The metasediments are typically competent and non-foliated, except for zones within the phyllite. The bedrock is mostly non-weathered, although some discontinuous weathered zones have been observed. No faulting has been observed in bedrock cores and there are no faults mapped in the vicinity of the site. The bedrock surface beneath the landfill is locally variable; however, the surface generally mimics the drumlin topography.

Groundwater elevations in soil and bedrock monitoring wells and piezometers across the JRL site were measured during a supplemental groundwater level monitoring event in October 2024. Interpreted groundwater elevation contour maps for the overburden groundwater and for the upper bedrock groundwater from the October 2024 monitoring are provided in Appendix B for reference to the following description of the site hydrogeology. The data from the October 2024 supplemental groundwater level monitoring event are also included in Appendix B.

Cells 1 through 10 of the JRL, which were developed between approximately 1996 and 2017, were constructed southwest of the crest of the drumlin, which, at the time, limited the overall cutoff of precipitation recharge to the drumlin. This resulted in little change to groundwater elevations and groundwater elevation contours generally continued to mimic topographic contours, as is typical for climate and geological conditions such as Maine’s.

Construction of Cells 11 through 16 of the permitted landfill expansion between 2018 and 2024 covered the crest of the original drumlin topography and, as anticipated, has resulted in cutoff of precipitation recharge and the lowering of the groundwater table beneath and surrounding the landfill expansion.

Groundwater flow is understood to be generally in the direction perpendicular to the interpreted groundwater elevation equipotential contours (see Appendix B). Based on the October 2024 interpreted groundwater elevation equipotential contours, most of the groundwater below the JRL flows to the southwest toward a large wetland and an unnamed stream (Class B) that empties into Pushaw Stream

(Class B). Pushaw Stream empties into the Stillwater River (Class B), which flows to the Penobscot River (Class B). The large change in elevation from the original crest of the drumlin to the southwest across the landfill area results in upward groundwater seepage gradients near the unnamed stream and wetland area. Horizontal groundwater seepage gradients on the western side of the stream indicate that groundwater also moves from the west towards the stream; thus, the stream acts as a hydrologic barrier for groundwater flow from the landfill beyond the east side of the stream.

Smaller areas beneath the southeast and northeast portions of the JRL have underlying groundwater flow directions to the northeast to wetlands and an unnamed and unclassified stream that empties into an unnamed tributary to Judkins Brook (Class B). Surface water from Judkins Brook (Class B) flows to Brown Brook (Class B), then to Birch Stream (Class A), then to Stillwater River (Class B), and then to the Penobscot River (Class B). The large change in elevation from the original crest of the drumlin to the northeast results in upward groundwater seepage gradients near the unnamed stream and wetland areas. The unnamed tributary to Judkins Brook on the east side of the JRL acts as a hydrologic barrier for groundwater flow from the landfill to existing groundwater users beyond the west side of the brook.

The anticipated lowering of the groundwater table from the construction of Cells 11 through 16 is monitored by groundwater elevations measured during routine monitoring events. While the 2024 site groundwater level conditions around the landfill expansion Cells 11 through 16 are lower than prior to their construction, the groundwater monitoring locations remain hydraulically downgradient from the landfill. Linear trendlines of groundwater elevations later than 2007 were calculated for thirty-nine of the site's fifty current groundwater monitoring locations to evaluate water level changes during the time period ending with the routine water quality monitoring event completed in October 2024 (see Appendix B for water level and trendline plots). The average slopes of linear trendlines during this period were used to quantify the approximate rates of groundwater elevation changes at site groundwater monitoring locations, which are summarized in Table 2-1.

As shown in Table 2-1, thirty of the thirty-eight monitoring wells included in this analysis have downward water level trends for data collected later than 2007. Twenty-one of the monitoring locations included in Table 2-1 are located downgradient of the landfill expansion, sixteen of which have downward groundwater elevation trends resulting from the cut-off of recharge from precipitation by the landfill expansion liner systems. Groundwater elevations at these locations have declined at average annual rates ranging from -2.41 feet per year (ft/yr) at OW-609B to -0.26 ft/yr at MW-504. Groundwater elevations have increased at five of the twenty-one landfill expansion monitoring locations downgradient from the landfill expansion, with average annual groundwater elevation change rates ranging from 0.001 ft/yr at MW-507 to 0.62 ft/yr at OW-605A.

TABLE 2-1

2024 SUMMARY OF SITE GROUNDWATER ELEVATION TRENDS

Location Designation	Position Relative to Landfill	Date Range for Analysis	Average Groundwater Elevation Change (feet-NGVD)	Average Annual Rate of Groundwater Elevation Change (feet/year)
OW-609B	Downgradient (Expansion)	Feb-21 to Oct-24	-8.82	-2.41
P-206A	Upgradient	Jul-13 to Oct-24	-4.90	-0.44
OW-604A	Downgradient (Expansion)	Apr-18 to Oct-24	-4.75	-0.73
MW12-303R	Upgradient	Oct-12 to Oct-24	-4.37	-0.37
OW-602A	Downgradient (Expansion)	Apr-18 to Oct-24	-4.27	-0.66
P-04-11A	Downgradient (Expansion)	Feb-21 to Oct-24	-3.88	-1.06
OW-607B [1]	Downgradient (Expansion)	Feb-21 to Oct-24	-3.21	-0.88
MW-505 [2]	Downgradient (Expansion)	Feb-21 to Oct-24	-3.21	-0.88
OW-608B	Downgradient (Expansion)	Feb-21 to Oct-24	-3.08	-0.84
MW-508	Downgradient (Expansion)	Oct-22 to Oct-24	-2.65	-1.31
MW-223A	Downgradient	May-07 to Oct-24	-2.54	-0.15
OW-601A	Downgradient (Expansion)	Apr-18 to Oct-24	-2.14	-0.33
MW04-102	Downgradient	May-07 to Oct-24	-1.91	-0.11
P-04-04	Downgradient	May-07 to Oct-24	-1.91	-0.11
MW-223B	Downgradient	May-07 to Oct-24	-1.91	-0.11
OW-601B	Downgradient (Expansion)	Apr-18 to Oct-24	-1.90	-0.29
P-04-07A	Downgradient (Expansion)	Oct-22 to Oct-24	-1.62	-0.80
P-04-07B	Downgradient (Expansion)	Oct-22 to Oct-24	-1.55	-0.77
OW-610A	Downgradient (Expansion)	Oct-22 to Oct-24	-1.54	-0.77
MW04-105	Downgradient	May-07 to Oct-24	-1.27	-0.07
MW-08-01 [1]	Downgradient (Expansion)	Feb-21 to Oct-24	-1.07	-0.29
OW-611A	Downgradient (Expansion)	Apr-18 to Oct-24	-0.95	-0.15
MW-504 [1]	Downgradient (Expansion)	Feb-21 to Oct-24	-0.94	-0.26
P-04-02R	Downgradient	Jul-15 to Oct-24	-0.67	-0.07
MW-206	Upgradient	May-07 to Oct-24	-0.64	-0.04
MW-204	Downgradient	May-07 to Oct-24	-0.64	-0.04
MW-227	Downgradient	May-07 to Oct-24	-0.25	-0.01
DP-4	Downgradient	May-07 to Oct-24	-0.25	-0.01
MW-401B	Downgradient	May-07 to Oct-24	-0.13	-0.01
MW04-109R	Downgradient	Dec-09 to Oct-24	-0.11	-0.01
MW-507	Downgradient (Expansion)	Apr-18 to Oct-24	0.01	0.001
MW-402B	Downgradient	May-07 to Oct-24	0.13	0.01
MW-401A	Downgradient	May-07 to Oct-24	0.32	0.02
MW-04-09A	Downgradient (Expansion)	Feb-20 to Oct-24	0.34	0.07
OW-608A	Downgradient (Expansion)	Apr-18 to Oct-24	0.48	0.07
MW-04-09B	Downgradient (Expansion)	Feb-20 to Oct-24	0.84	0.18
MW09-901	Downgradient	Dec-09 to Oct-24	2.71	0.18
OW-605A	Downgradient (Expansion)	Apr-18 to Oct-24	4.04	0.62

Notes:

1. The top of casing elevations for monitoring locations MW-08-01, MW-504, and OW-607B were raised by approximately 7 feet between the fall 2021 and spring 2022 monitoring events. Previous summaries of groundwater elevation trends for these wells did not include the corrected top of casing elevations, which resulted in overestimated elevation changes. The correct top of casing elevations for these wells were used for the 2024 summary of groundwater elevation trends.
2. The top of casing elevation for monitoring location MW-505 was discovered to have been historically misreported as 200.02 feet NGVD and has been corrected to 186.54 feet NGVD.

The remaining seventeen monitoring locations in Table 2-1 are upgradient (three) or downgradient from all or a portion of Cells 1 through 10 of the JRL (fourteen). The cut-off of recharge from precipitation by the landfill liner systems has resulted in greater rates of groundwater elevation decline at two of the three upgradient monitoring locations. Upgradient monitoring locations P-206A and MW12-303R have groundwater elevation change rates of -0.44 ft/yr and -0.37 ft/yr, respectively. The groundwater elevation decline at upgradient monitoring location MW-206 has been slower, with a rate of -0.04 ft/yr. Groundwater elevations have declined in eleven of the fourteen monitoring locations downgradient from all or portions of Cells 1 through 10 of the JRL that were analyzed for groundwater elevation trends for data collected later than 2007. These declines have ranged from rates of -0.15 ft/yr at MW-223A to -0.01 ft/yr at DP-4, MW-227, MW-401B, and MW04-109R. The monitoring locations downgradient from all or a portion of Cells 1 through 10 of the JRL with increasing groundwater elevations have ranged from rates of 0.18 ft/yr at MW09-901 to 0.01 ft/yr at MW-402B.

Site monitoring wells MW-301, MW-402A, MW-502, MW06-01, OW-603B, OW-606A, OW-606B, and P-04-11B are not included in the analysis summarized in Table 2-1, because the rates of decline cannot be quantified due to either intermittent flowing or dry conditions. These wells generally show indications of declining to steady water levels. Monitoring wells MW-501 and MW-503 have been flowing during each monitoring event to date and therefore were also not included in Table 2-1.

Monitoring well MW-301 is located downgradient from the JRL. Groundwater elevation data from MW-301 show slight declines from 2007 through 2012. MW-301 was found to be damaged during the April 2013 monitoring round. It was repaired prior to the July 2013 monitoring round by replacing the upper section of the well, and since that time has had reported average groundwater elevations in the order of 4 feet higher than values prior to the repair. Monitoring well MW-301 is not included in the analysis summarized in Table 2-1 due to this discrepancy. Groundwater elevation data from MW-301 show continued declines from 2013 through 2024.

Monitoring well MW-506 is located downgradient from the JRL expansion. Groundwater elevation data from MW-506 generally shows steady declines from 2021 through 2024 but appears to be influenced by an on-site non-potable bedrock water supply well and is not included in the analysis summarized in Table 2-1.

In addition to the cut-off of precipitation recharge by the landfill liner systems, groundwater elevations at the site are affected by the amount of precipitation that falls on the site. Based on National Climatic Data Center (NCDC) climatological data from the Bangor Area, the annual precipitation near the PTL was 41.72 inches during 2024, which was 0.01 inches above the normal precipitation for this area. Monthly precipitation totals ranged from a low of 1.32 inches in October 2024 to a maximum of 8.99 inches in March 2024. The 2024 annual precipitation near the PTL decreased from the 2023 annual precipitation of 49.28 inches, which is an approximate decrease of 15 percent. Hydrological drought conditions, on a monthly basis, did not occur in January through October 2024 but did occur during November and December 2024 in the Southern Interior Zone of Maine, where the Site is located.[5]

[5] NOAA Palmer Hydrological Drought Index (web data: https://www.ncei.noaa.gov/access/monitoring/historical-palmers/maps/phd/202401-202412.

3.0 MONITORING LOCATIONS

Monitoring during 2024 was completed in general accordance with the current EMP for the JRL (revised April 2016) and the EMP for the JRL expansion (revised June 2017), as well as an April 2024 EMP submitted to MEDEP that combines the JRL monitoring programs into a single document. Descriptions of the monitoring locations sampled during 2024 are provided herein.

3.1 Monitoring Locations

Monitoring events were conducted in April, July, and October 2024 at 50 groundwater monitoring wells and piezometers,[6] four pore-water sample locations, four surface water locations, two stormwater locations, fifteen underdrain monitoring locations,[7] five leak detection locations,[8] and one leachate monitoring location. Measurement of field parameters (e.g., temperature and specific conductance) at the underdrain and leak detection monitoring locations that contained water were completed on a monthly basis by NEWSME personnel.

The site monitoring points are summarized in Tables 3-1 and 3-2 and their locations are shown on Figures 1-2 and 1-3. Information on the geologic formation in which each monitoring well is screened, as well as the elevation and distance below ground of each monitoring well screened interval, is listed in Table 3-1.

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[6] Three of the site groundwater monitoring wells (DP-4, MW04-105, and MW-204) are only monitored for field parameters and only during the fall monitoring event. Fourteen of the site groundwater monitoring wells (OW-06-03, OW-601A, OW-601B, OW-602A, OW-603B, OW-604A, OW-605A, OW-606A, OW-606B, OW-607B, OW-608A, OW-608B, OW-609B, OW-610A, OW-611A, P-04-07A, P-04-07B, P-04-11A, and P-04-11B) are monitored for detection monitoring parameters only during the summer monitoring event and are monitored for field parameters only during the spring and fall monitoring events. Monitoring well MW-506 was reported as damaged and was not monitored in April, July, and October 2024. Monitoring well OW-06-03 had insufficient water for sampling in July and October 2024 and monitoring well OW-603B was dry and could not be sampled in April, July, and October 2024. Piezometer P-04-11B was dry and could not be sampled in October 2024.

[7] Samples were obtained from two underdrain monitoring locations (LF-UD-5and6 and LP-UD-2) during one or more of the 2024 sampling events. The remaining eleven underdrain monitoring locations were not sampled during 2024 due to dry conditions (LF-UD-1, LF-UD-2, LF-UD-3A,B, LF-UD-4, LF-UD-6, LF-UD-7, LF-UD-8, LF-UD-9, LF-UD-10, LF-UD-12+13+14, and LP-UD-1). No composite samples were required to be taken at Manhole #5 (LF-COMP) and Manhole #7 (LP-COMP) in 2024. Underdrain monitoring locations were monitored for field parameters monthly in 2024, unless those locations were dry.

[8] Leak detection monitoring locations LF-LD-11, LF-LD-12, LF-LD-13, and LF-LD-14 were sampled for field parameters and the detection monitoring parameters in July 2024 and for field parameters monthly. LF-LD-15 was sampled for field parameters and the detection monitoring parameters in July and October 2024 and for field parameters monthly.

TABLE 3-1

2024 GROUNDWATER MONITORING LOCATIONS

Location Designation	Position Relative to Landfill	Screen Depth Interval (feet below ground surface)	Ground Surface Elevation (feet-NGVD)	Screen Interval Elevation (feet-NGVD)	Geologic Formation Screened
MW-204	Downgradient	13.8 – 18.8	158.5	144.7 – 139.7	Overburden
MW-206	Upgradient	15.0 – 20.0	201.2	186.2 – 181.2	Overburden
P-206A	Upgradient	85.5 – 90.5	201.5	116.0 – 111.0	Bedrock
MW-223A	Downgradient	28.0 – 33.0	173.5	145.5 – 140.5	Bedrock
MW-223B	Downgradient	12.6 – 17.6	173.5	160.9 – 155.9	Overburden
MW-227	Downgradient	15.0 – 20.0	161.0	146.0 – 141.0	Overburden
MW-301	Downgradient	162.7 – 182.7	163.5	0.8 – -19.2	Bedrock
MW12-303R	Upgradient	30.4 – 40.4	206.1	175.7 – 165.7	Overburden
MW-401A	Downgradient	98.8 – 108.8	153.8	55.0 – 45.0	Bedrock
MW-401B	Downgradient	10.0 – 20.0	154.6	144.6 – 134.6	Overburden
MW-402A	Downgradient	95.5 – 105.5	149.5	54.0 – 44.0	Bedrock
MW-402B	Downgradient	12.0 – 22.0	149.8	137.8 – 127.8	Overburden
DP-4	Downgradient	18.5 – 24.5	165.5	147.0 – 141.0	Overburden
P-04-02R	Downgradient	30.0 – 35.0	168.0	138.0 – 133.0	Overburden
P-04-04	Downgradient	25.0 – 30.0	166.7	141.7 – 136.7	Overburden
MW04-102	Downgradient	10.0 – 15.0	167.0	157.0 – 152.0	Overburden
MW04-105	Downgradient	14.8 – 19.8	162.2	147.4 – 142.4	Overburden
MW04-109R	Downgradient	15.0 – 20.0	157.1	142.1 – 137.1	Overburden
MW-04-09A	Downgradient Expansion	38.0 – 39.0	167.0	129.0 – 128.0	Bedrock
MW-04-09B	Downgradient Expansion	14.0 – 15.0	167.0	153.0 – 152.0	Overburden
MW-08-01	Downgradient Expansion	117.0 – 127.0	173.1	56.1 – 46.1	Bedrock
MW09-901	Downgradient	15.0 – 20.0	161.9	146.9 – 141.9	Overburden
MW-501	Downgradient Expansion	35.0 – 45.0	163.2	128.2 – 118.2	Bedrock
MW-502	Downgradient Expansion	38.0 – 43.0	157.4	119.4 – 114.4	Bedrock
MW-503	Downgradient Expansion	60.0 – 70.0	160.7	100.7 – 90.7	Bedrock
MW-504	Downgradient Expansion	71.5 – 81.5	172.6	101.1 – 91.1	Bedrock
MW-505	Downgradient Expansion	72.2 – 82.2	184.1	111.9 – 101.9	Bedrock
MW-506	Downgradient Expansion	50.0 – 60.0	195.8	145.8 – 135.8	Bedrock
MW-507	Downgradient Expansion	22.5 – 220.0	174.7	152.2 – -45.3	Bedrock (Open Borehole)
MW-508	Downgradient Expansion	26.0 – 36.0	189.3	163.3 – 153.3	Bedrock
MW06-01	Downgradient Expansion	10.0 – 20.0	163.3	153.3 – 143.3	Overburden
OW-06-03	Downgradient Expansion	13.0 – 23.0	203.0	190.0 – 180.0	Overburden
OW-601A	Downgradient Expansion	66.6 – 76.6	214.9	148.3 – 138.3	Bedrock
OW-601B	Downgradient Expansion	46.2 – 56.2	214.5	168.3 – 158.3	Overburden
OW-602A	Downgradient Expansion	22.5 – 240.0	211.7	189.2 – -28.3	Bedrock (Open Borehole)
OW-603B	Downgradient Expansion	16.2 – 26.2	205.1	188.9 – 178.9	Overburden/Bedrock
OW-604A	Downgradient Expansion	22.5 – 32.5	195.8	173.3 – 163.3	Bedrock
OW-605A	Downgradient Expansion	62.5 – 260.0	184.7	122.2 – -75.3	Bedrock (Open Borehole)
OW-606A	Downgradient Expansion	42.5 – 240.0	157.0	114.5 – -83.0	Bedrock (Open Borehole)
OW-606B	Downgradient Expansion	7.0 – 12.7	162.9	155.9 – 150.2	Overburden/Bedrock
OW-607B	Downgradient Expansion	41.0 – 51.0	172.2	131.2 – 121.2	Overburden
OW-608A	Downgradient Expansion	62.5 – 260.0	196.1	133.6 – -63.9	Bedrock (Open Borehole)
OW-608B	Downgradient Expansion	33.5 – 43.5	198.4	164.9 – 154.9	Overburden
OW-609B	Downgradient Expansion	39.0 – 49.0	209.9	170.9 – 160.9	Overburden
OW-610A	Downgradient Expansion	26.7 – 36.7	180.4	153.7 – 143.7	Bedrock
OW-611A	Downgradient Expansion	12.5 – 220.0	183.1	170.6 – -36.9	Bedrock (Open Borehole)
P-04-07A	Downgradient Expansion	73.0 – 83.0	174.1	101.1 – 91.1	Bedrock
P-04-07B	Downgradient Expansion	24.5 – 25.5	174.1	149.6 – 148.6	Bedrock
P-04-11A	Downgradient Expansion	48.5 – 49.5	184.0	135.5 – 134.5	Overburden
P-04-11B	Downgradient Expansion	9.0 – 10.0	184.0	175.0 – 174.0	Overburden

TABLE 3-2

2024 SURFACE WATER, STORMWATER, LEACHATE, LEAK DETECTION, AND UNDERDRAIN MONITORING LOCATIONS

Location Designation	Water Body Description
SW-1	Southwesterly unnamed tributary of Pushaw Stream
SW-2	Southwesterly unnamed tributary of Pushaw Stream
SW-3	Southwesterly unnamed tributary of Pushaw Stream
SW23-4	Northerly unnamed tributary of Pushaw Stream
SW-DP1	Stormwater Detention Pond 1
SW-DP6	Stormwater Detention Pond 6
PWS10-1	Downgradient Stream Alluvium
PWS10-2	Downgradient Stream Alluvium
PWS10-3	Downgradient Stream Alluvium
PWS-4	Downgradient Stream Alluvium
LF-LD-11	Cell 11 Leak Detection
LF-LD-12	Cell 12 Leak Detection
LF-LD-13	Cell 13 Leak Detection
LF-LD-14	Cell 14 Leak Detection
LF-LD-15	Cell 15 Leak Detection
LF-UD-1	Cell 1 underdrain at MH #5
LF-UD-2	Cell 2 underdrain at MH #5
LF-UD-3A,B	Cell 3A & Cell 3B underdrain at MH #5
LF-UD-4	Cell 4 underdrain at MH #5
LF-UD-5 and 6	Cell 5 & Cell 6 Underdrain (combined flow)
LF-UD-6	Cell 6 Underdrain
LF-UD-7	Cell 7 Underdrain at MH #5
LF-UD-8	Cell 8 Underdrain
LF-UD-9	Cell 9 Underdrain
LF-UD-10	Cell 10 Underdrain
LF-UD-12+13+14	Cell 12, 13, and 14 Underdrain (combined flow)
LP-UD-1	Detention Pond 1A underdrain south end at MH #7
LP-UD-2	Detention Pond 1A underdrain north end at MH #7
LF-COMP	Composite sample of LF-UD-1, LF-UD-2, LF-UD-3A,B, LF-UD-4, and LF-UD-7 when water level in manhole covers the inlet pipes at MH #5
LP-COMP	Composite sample of LP-UD-1 and LP-UD-2 when water level in manhole covers both of the inlet pipes at MH #7
LT-C4LR	Leachate – On-site leachate storage tank

The sampling frequencies and monitoring parameters for each monitoring location are listed in the site's EMP. Monitoring parameters are discussed in Section 4.0.

3.2 Groundwater Locations

Groundwater monitoring wells MW-206, P-206A, and MW12-303R are positioned upgradient of the landfill.

Groundwater monitoring wells DP-4, MW04-102, MW04-105, MW04-109R, MW-204, MW-223A, MW-223B, MW-227, MW-301, MW-401A, MW-401B, MW-402A, MW-402B, MW09-901, P-04-02R, and P-04-04 are positioned downgradient of all or part of Cells 1 through 10 of the landfill.

Groundwater monitoring wells MW-04-09A, MW-04-09B, MW-08-01, MW-501, MW-502, MW-503, MW-504, MW-505, MW-506, MW-507, MW-508, OW-06-01, OW-06-03, OW-601A, OW-601B, OW-602A, OW-603B, OW-604A, OW-605A, OW-606A, OW-606B, OW-607B, OW-608A, OW-608B, OW-609B, OW-610A, OW-611A, P-04-07A, P-04-07B, P-04-11A, and P-04-11B are positioned downgradient of the landfill expansion.

3.3 Surface Water and Stormwater Locations

Surface water monitoring locations SW-1, SW-2, and SW-3 are located west of the landfill in a southwesterly unnamed tributary to Pushaw Stream. SW-1 and SW-3 are located downstream of the landfill, while SW-2 is located upstream of the landfill. Surface water monitoring location SW23-4 is located northeast of landfill in a northerly unnamed tributary to Judkins Brook. Stormwater sample monitoring locations SW-DP1 and SW-DP6 are located at the discharge locations of Detention Pond 1 and Detention Pond 6, respectively.

3.4 Pore-Water Locations

Stream-based pore-water sample locations PWS10-1, PWS10-2, and PWS10-3 are located downgradient of the landfill along the southwesterly unnamed tributary to Pushaw Stream and represent water in the overburden adjacent to the stream. Stream-based pore-water sample location PWS-4 is located downgradient of the landfill expansion along a northerly unnamed tributary to Judkins Brook and represents water in the overburden adjacent to the stream.

3.5 Leachate Sample Location

During the 2024 sampling events, leachate samples were obtained from the on-site leachate storage tank (i.e., LT-C4LR). The sampling location at the leachate storage tank, LT-C4LR, is shown on Figure 1-2.

3.6 Underdrain Monitoring

The sample locations where underdrain samples were obtained in 2024 are shown on Figures 1-2 and 1-3 and a diagram of the underdrain collection system is included on Figure 3-1. By design, the sampling of the landfill underdrain system provides a means to monitor for landfill cell leakage as the underdrains underlie the landfill liner system. Manhole MH #5, located northeast of Detention Pond 1A, is the sample

NOTES:
1. THE SAMPLING LOCATION FOR CELL 15 TO BE ESTABLISHED.
2. TOPOGRAPHY FROM AERIAL SURVEY PERFORMED BY AERIAL SURVEY & PHOTO INC., NORRIDGEWOCK, MAINE. PHOTO DATE 5/31/2025. VERTICAL DATUM: BRASS PLUG AT FORMER LEACHATE POND PUMP STATION. HORIZONTAL DATUM: MAINE STATE COORDINATES EAST ZONE NAD 83. GROUND CONTROL BY SEVEE & MAHER ENGINEERS, INC, CUMBERLAND, MAINE.

DWG: EMP | LMN: UD-MONLOCS | CTB: SME-STD | REV: 4/21/2025

FIGURE 3-1
UNDERDRAIN PIPING LAYOUT AND MONITORING LOCATIONS
JUNIPER RIDGE LANDFILL
OLD TOWN, MAINE

SME
SEVEE & MAHER ENGINEERS

\\Nserver\cfs\Casella\OldTownLandfill\GeneralSiteInfo\Acad\EMP.dwg, UD MONLOCS FIG3-1, 4/21/2025 1:25:07 PM, bwb location which receives groundwater entering the underdrains beneath Cells 1, 2, 3A, 3B, 4, and 7. The sampling location for the underdrain for Cell 6 (LF-UD-6) is from a stilling well in the underdrain line. The base grades for Cells 5 and 6 were designed such that the Cell 5 underdrain would also accommodate flow from the Cell 6 underdrain. The combined flow from the Cells 5 and 6 underdrains then drains to a 6-inch-diameter pipe outfall located on the southern perimeter of the landfill, which is sampled as a composite sample (LF-UD-5 and 6).

The underdrain for Cell 8 was constructed in 2012 at a discrete location shown on Figure 3-1. LF-UD-8 was added to the monitoring program during the April 2013 sampling event as the underdrain monitoring location for Cell 8. The underdrain for Cell 9, LF-UD-9, was constructed in 2015 and was added to the monitoring program during the April 2016 sampling event. With the construction of Cell 10 in 2017, the underdrain piping and sample collection location of the underdrain for LF-UD-9, which was located in a temporary underdrain manhole adjacent to Cell 9, was extended to the south outside of the Cell 10 perimeter berm. The underdrain for Cell 10, LF-UD-10, was constructed in 2017 outside of the southern perimeter berm of Cell 10, and was added to the monitoring program during the October 2017 sampling event.

The Cell 12 underdrain, LF-UD-12, was monitored in spring of 2021. Samples for the underdrains for Cells 12 through 14 are now collected as a combined sample at monitoring location LF-UD-12+13+14, which was first monitored in fall 2022. Data from LF-UD-12 has been combined with data from LF-UD-12+13+14.

Manhole location MH #7, which is located southwest of Detention Pond 1A, is the sample location for LP-UD-1 and LP-UD-2, which monitors groundwater entering the southern and northern underdrains, respectively, of Detention Pond 1A.

Underdrain samples were obtained by SME as part of routine monitoring and analyzed for the detection monitoring parameters. Samples were also obtained monthly by NEWSME for field parameters. The underdrain sample locations LF-UD-1, LF-UD-2, LF-UD-3A,B, LF-UD-4, LF-UD-5 and 6, LF-UD-6, LF-UD-7, LF-UD-8, LF-UD-9, LF-UD-10, LP-UD-1, and LP-UD-2 were sampled during 2024, unless those locations were dry or their sample pipe inverts were submerged.

Historically, during times when LF-UD-1, LF-UD-2, LF-UD-3A,B, LF-UD-4, and LF-UD-7 were not able to be sampled separately due to pipe invert submergence, LF-COMP has been obtained from the manhole MH #5. This sample provides a composite sample of the subject underdrain locations. Sample pipe submergence did not occur during the three 2024 detection monitoring events. LF-COMP samples were obtained from manhole MH #5 and analyzed for field parameters monthly during 2024, regardless of the level of the liquid level in the manhole.

Composite LP-COMP samples have never been obtained during the routine monitoring events in 2024 because pipe invert submergence did not occur at individual sample locations LP-UD-1 and LP-UD-2. LP-COMP samples were obtained and analyzed for field parameters monthly during 2024, regardless of the level of the liquid level in the manhole.

3.7 Leak Detection Monitoring

Detection monitoring began in 2021 at landfill leak detection sampling locations LF-LD-11 and LF-LD-12 for the Cells 11 and 12 leak detection systems, respectively. Detection monitoring began in 2022 at landfill leak detection sampling location LF-LD-13 for the Cell 13 leak detection system, in 2023 for landfill leak detection sampling location LF-LD-14 for the Cell 14 leak detection system, and in 2024 for landfill leak detection sampling location LF-LD-15 for the Cell 15 leak detection system. Monitoring locations LF-LD-11, LF-LD-12, LF-LD-13, LF-LD-14, and LF-LD-15 are shown on Figure 3-1.

3.8 Annual Monitoring Well Specific Conductance Measurements

Specific conductance measurements were measured in 2024 from an expanded list of monitoring wells surrounding the existing landfill operations at JRL during the October monitoring event based on the MEDEP's request in 2008. Locations measured annually for specific conductance are listed in Table 3-3 and shown on Figure 3-2. The results of the 2024 and historical fall specific conductance measurements are included in Appendix C.

TABLE 3-3

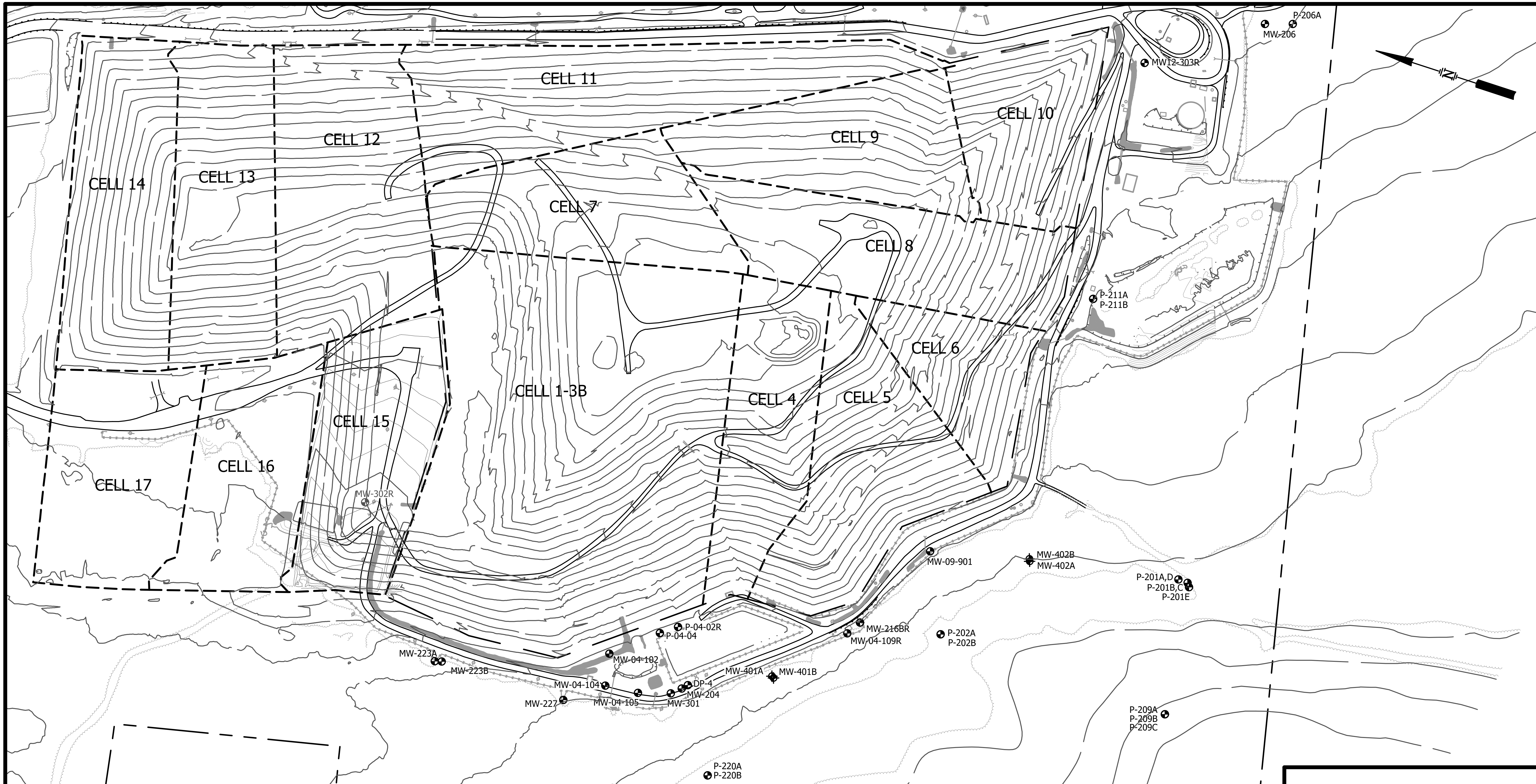
2024 MONITORING WELL AND PIEZOMETER LOCATIONS
USED FOR ANNUAL SPECIFIC CONDUCTANCE MEASUREMENTS

Location Designation	
DP-4	P-04-02R
MW04-102	P-04-04
MW04-104	P-201A
MW04-105	P-201B
MW04-109R	P-201C
MW09-901	P-201D
MW12-303R	P-201E
MW-204	P-202A
MW-206	P-202B
MW-216BR	P-206A
MW-223A	P-209A
MW-223B	P-209B
MW-227	P-209C [1]
MW-301	P-211A
MW-401A	P-211B
MW-401B	P-220A [2]
MW-402A	P-220B [2]
MW-402B	

Notes:
1 Similar to most other years, P-209C was dry in October 2024 and specific conductance was not measured at this location.
2 P-220A and P-220B have not been monitored since 2021 because the area was flooded due to a beaver dam.

3.9 Water Quality Landfill Gas Monitoring Program

Concurrent with the routine water quality monitoring events in 2024, site monitoring wells, underdrain locations, leachate manholes, a leak detection manhole, and JRL site property boundaries were monitored for the presence of landfill-related gases using a hand-held gas meter. Figures 1-2 and 1-3 show the gas monitoring locations associated with the landfill's water quality monitoring program. The results of the 2024 and historical landfill gas monitoring are discussed in Section 9.0.



NOTES

1. TOPOGRAPHY FROM AERIAL SURVEY PERFORMED BY AERIAL SURVEY & PHOTO INC., NORRIDGEWOCK, MAINE. PHOTO DATE 6/23/2023. VERTICAL DATUM: BRASS PLUG AT FORMER LEACHATE POND PUMP STATION. HORIZONTAL DATUM: MAINE STATE COORDINATES EAST ZONE NAD 83. GROUND CONTROL BY SEVEE & MAHER ENGINEERS, INC, CUMBERLAND, MAINE.

2. REMAINDER OF BASE MAP PREPARED BY AERIAL SURVEY & PHOTO INC., NORRIDGEWOCK, MAINE. PHOTO DATE 5/31/2025. VERTICAL DATUM: BRASS PLUG AT PUMP STATION AND AT THE ADMINISTRATION BUILDING. HORIZONTAL DATUM: MAINE STATE COORDINATES EAST ZONE NAD 83. GROUND CONTROL BY SEVEE & MAHER ENGINEERS, INC, CUMBERLAND, MAINE.

3. PROPERTY LINE LOCATIONS ARE A RESULT OF FIELD SURVEY PERFORMED BY HERRICK AND SALSBURY, INC. LAND SURVEYORS, ELLSWORTH, MAINE FOR TRYTON TREE FARM PROJECT, PATTEN CORPORATION-DOWNEAST, OLD TOWN, MAINE, FEBRUARY 23, 1988, REVISED APRIL 7, 1988.

4. LOCATIONS OF EXPLORATIONS ARE APPROXIMATE.

LEGEND

MW-402B — GROUNDWATER SAMPLING LOCATION

MW-302R — DECOMMISSIONED GROUNDWATER SAMPLING LOCATION

150 0 300 FEET

FIGURE 3-2
MONITORING WELL LOCATIONS USED FOR ANNUAL CONDUCTIVITY MEASUREMENTS
JUNIPER RIDGE LANDFILL
OLD TOWN, MAINE

SME
SEVEE & MAHER ENGINEERS

DWG: GW LMN: FIG3-2 CONDUCTIVITY CTB: CONDUCTIVITY REV: 4/18/2023

\\Nserver\cfs\Casella\OldTownLandfill\GeneralSiteInfo\Acad\GW.dwg, FIG 3-2 ANNUAL CONDUCTIVITY, 4/21/2025 1:32:37 PM, bwb

4.0 DETECTION MONITORING PROGRAM PARAMETERS

Sampling during 2024 was completed in general accordance with the current EMP for the JRL (revised April 2016) and the EMP for the JRL expansion (revised June 2017), as well as an April 2024 EMP submitted to MEDEP that combines the JRL monitoring programs into a single document. The detection monitoring parameters are listed in Table 4-1.

Analysis for volatile organic compounds (VOCs) was included during the April monitoring event for multiple locations (LF-UD-1, LF-UD-2, LF-UD-3A,B, LF-UD-4, LF-UD-5 and 6, LF-UD-6, LF-UD-7, LF-UD-8, LF-UD-9, LF-UD-10, LF-UD-12+13+14, LP-UD-1, LP-UD-2, and MW-401B), provided that there was sufficient water available to sample at these locations. The leachate samples (LT-C4LR) were analyzed for the same VOCs list during the April, July, and October 2024 monitoring events. LT-C4LR was also analyzed for the parameters listed in Appendix A, Column 3 of the Chapter 405 MEDEP Solid Waste Regulations during the April 2024 monitoring event.

A supplement to the 2024 monitoring program included sampling and analysis for dissolved methane at monitoring well MW-223B in April and October 2024 and pore-water sampling locations PWS10-1, PWS10-2, and PWS10-3 in April, July, and October 2024. Dissolved methane is also included in the EMP for the JRL expansion. The results of the 2024 dissolved methane monitoring are discussed in Section 8.0.

TABLE 4-1

2024 DETECTION MONITORING ANALYTICAL PROGRAM

Water Quality Parameter[1]	Method	Practical Quantitation Limit (PQL)[2] (milligrams per liter [mg/L])
Total Dissolved Solids	SM 2540C	10
Total Suspended Solids	SM 2540D	4.0
Arsenic (As)	SW846/6010C/3010A	0.005
Calcium (Ca)	SW846/6010C/3010A	0.3
Iron (Fe)	SW846/6010C/3010A	0.05
Magnesium (Mg)	SW846/6010C/3010A	0.3
Manganese (Mn)	SW846/6010C/3010A	0.05
Potassium (K)	SW846/6010C/3010A	0.3
Sodium (Na)	SW846/6010C/3010A	0.3
Total Organic Carbon (TOC)	SW846/9060A	1.0
Chloride (Cl)	SW846/9056A	1.0
Bromide (Br)	SW846/9056A	0.1
Sulfate (SO_4)	SW846/9056A	2.0
Nitrate Plus Nitrite (NO_3-N/NO_2-N)	U.S.EPA 353.2	0.05
Bicarbonate Alkalinity (HCO_3-$CaCO_3$)[10]	SM 2320B	2.5
Volatile Organic Compounds (VOCs)[4,8]	U.S.EPA 8260C	0.0005 – 0.02
Total Kjeldahl Nitrogen (TKN)[5]	4500N(ORG)C/NH3D-11)	0.2
Total Phosphorous[6]	U.S.EPA 365.3	0.04
Biochemical Oxygen Demand (BOD)[7]	SM 5210B	2.0
Ammonia (NH3-N)[9]	SM 4500 NH3-B/SM 4500 NH3-C	0.5
Total Alkalinity[9]	SM 2320B	1.5
Sulfide[9]	8131 HACH	0.1
Copper (Cu)[9]	SW846/6010C/3010A	0.003
Boron (B)[9]	SW846/6010C/6010C	0.05
Dissolved Methane[9]	8015BMOD/RSK-175	0.020
<u>Field Parameters</u> Groundwater Elevation	Field Measurement	NA [3]
Specific Conductance	Field Measurement	NA
Dissolved Oxygen (DO)	Field Measurement	NA
pH	Field Measurement	NA
Eh	Field Measurement	NA
Temperature	Field Measurement	NA
Turbidity	Field Measurement (APHA 2130)	NA
Surface Water Flow Rate	Field Measurement	NA
Field Observations	Visual Observations	NA
Total Alkalinity (as $CaCO_3$) [9]	Field Measurement	NA

<u>Notes</u>:

1. In April 2024, leachate samples from LT-C4LR were analyzed for Appendix A, Column 3 parameters (from Chapter 405 MEDEP Solid Waste Regulations).
2. At dilution factor of unity. Some PQLs may differ for surface and stormwater analysis.
3. NA = Not Applicable.
4. VOCs are the 47 organic constituents listed in Appendix I of 40 CFR Part 258. Diethyl ether and tetrahydrofuran were added to the list of VOCs in 2016 at the request of MEDEP. PQLs for VOCs are reported at a dilution factor of unity.
5. Monitoring wells and leachate only.
6. Surface waters, stormwater, pore-water, and underdrain only.
7. Surface waters only (excluding stormwater detention ponds and underdrains).
8. In April and October 2024, LF-UD-1, LF-UD-2, LF-UD-3A,B, LF-UD-4, LF-UD-5and6, LF-UD-6, LF-UD-7, LF-UD-8, LF-UD-9, LF-UD-10, LF-UD-12+13+14, LP-UD-1, and LP-UD-2 were analyzed for VOC compounds, unless those locations were dry. In April 2024, MW-401B was analyzed for VOC compounds.
9. Underdrain and landfill expansion monitoring locations only.
10. Cells 1 through 10 monitoring locations only.

5.0 SAMPLING TECHNIQUES

5.1 Monitoring Wells

Groundwater samples from monitoring wells and piezometers are obtained utilizing the low-flow sample collection techniques in general accordance with the EMP for the JRL. The low-flow sampling program includes dedication of 1/8-inch-diameter (I.D.) polyethylene tubing in each well. The tubing is secured at the top of the well such that the inlet of the tubing is placed approximately at the middle of the screen zone in each well. Prior to sampling, the static water level is measured in each well. A peristaltic pump with an adjustable flow rate is used to purge and sample monitoring wells with relatively shallow water tables. Monitoring wells with water tables greater than 28 feet below ground surface (bgs) are sampled with dedicated submersible pumps rather than a peristaltic pump due to the depth of the groundwater.

The low-flow sampling procedure at the JRL consists of purging the monitoring wells at approximately 100 to 200 milliliters per minute. While the wells are being purged, water levels and field parameter measurements of specific conductance, temperature, pH, Eh, dissolved oxygen, and turbidity are taken through a flow-through cell at regular intervals. Field parameters and water level measurements are monitored to determine if parameter stabilization has occurred as outlined in the EMP. Once stabilization of the field parameters has occurred, in particular for water level and turbidity, a sample is obtained for chemical analysis. Several of the wells have very low recharge rates and therefore do not stabilize even under these low purge rates. For these wells, a sample is obtained after purging the liquid present in the sampling tube and pump.

5.2 Surface Water, Stormwater, Underdrain, Leak Detection, and Leachate Sampling Locations

Grab samples are obtained at the surface water, stormwater, underdrain, leak detection, and leachate sampling locations, which is consistent with historical sampling methods and in accordance with the EMP. These samples are not filtered prior to analysis.

5.3 Pore-Water Sampling Locations

The pore-water samples are obtained in the following manner:

- The pore-water sampling apparatus (i.e., pore-water sampler) is decontaminated with Alconox® and deionized water solution followed by several deionized water rinses;
- The area to be sampled is entered from an area downstream from the sample point. Caution is used not to disrupt the area where the pore-water sampler will be used;
- The pore-water sampler is gently pushed approximately two feet into the soil surface in the sampling location area specified in the EMP. The inner rod remains inside of the pore-water

sampler as it is pushed into the soil surface in order to maintain the integrity of the pore-water sample;

- Once the pore-water sampler is advanced approximately two feet into the soil surface, the inner rod is removed and a new, clean piece of polyethylene tubing is attached to the top of the pore-water sampler using a new, clean silicone tube coupling;
- Water is pumped from the pore-water sampler at a rate of approximately 100 to 200 milliliters per minute with a peristaltic pump;
- Field parameters are monitored at a regular interval until stabilization criteria are met, or until the pore-water sampler runs out of water. If the pore-water sampler runs out of water, it is allowed to recharge and samples are then obtained for laboratory analyses; and
- After sampling is complete, the pore-water sampler is removed from the soils and a labeled grade stake is installed at the sampling location that clearly identifies the location for future sample collection from the same general location.

5.4 Water Quality Landfill Gas Monitoring

Gas monitoring at the monitoring wells, underdrain locations/manholes, leak detection manhole, and JRL site property boundaries is done using a hand-held gas meter. Measurement of headspace gas in the monitoring wells is accomplished by placing the probe tip into the upper few inches of the well casing immediately after the well cap is removed. Gas measurements at underdrain and leak detection manhole locations are measured by placing the probe at the manhole opening where samples are obtained. The meter is calibrated daily before use. Methane-equivalent, carbon dioxide, and oxygen are reported as percent by volume. Hydrogen sulfide is reported in parts per million by volume.

5.5 Sample Handling and Chain-of-Custody

After obtaining the water quality samples in 2024, the samples were preserved on ice in coolers and shipped by SME to Maine Environmental Laboratory (MEL) of Yarmouth, Maine for analysis. Eastern Analytical, Inc. of Concord, New Hampshire, Katahdin Analytical Services of Scarborough, Maine, Alpha Analytical of Westborough, Massachusetts, and ALS Environmental of Rochester, New York performed some of the analyses under contract to MEL. Chain-of-custody sheets prepared by the sampling personnel accompanied the samples and contain the signatures documenting the transfer of the water quality samples from the field sampler to the receiving laboratory.

6.0 DATA VALIDATION AND QUALITY ASSURANCE (QA)/QUALITY CONTROL (QC)

QA/QC activities associated with sampling include the utilization of standardized collection procedures and sample data records, calibration of field instruments, and the use of chain-of-custody procedures. SME followed the EMP procedures to ensure that both the field instruments and protocols employed generate data that are reliable and provide valid analytical results. Instruments were calibrated, analyses were conducted to determine potential matrix interference as necessary, precision and accuracy were checked, and hold-times were verified. Analytical QA/QC involves the use of approved analytical protocols by a qualified laboratory. Water quality samples that were analyzed outside of the required hold-times are identified in Appendix D.

Data validation and laboratory quality control procedures were followed and documented as described in the MEDEP Solid Waste Management Rules, Chapter 405. During 2024 monitoring events, duplicate water quality samples were obtained from several monitoring locations, as discussed in water quality data submittals for each round. Reports on Relative Percent Difference (RPD), calculated ratios of total dissolved solids to specific conductance, and values falling outside of historical ranges for each monitoring event were presented in each of the three data transmittals provided in 2024.

7.0 DATA ANALYSIS

Appendix D contains tables of historical water quality data collected over the past ten years, including 2024, for the sampling locations and parameters identified in this report. Water quality data for the site have been quantitatively evaluated using the methods described below and qualitatively evaluated based on the knowledge of the site hydrogeologic conditions developed from the extensive site investigations and the status of site development and operations. Detailed discussion and evaluations of the water quality from sampling locations are presented in Section 8.0. Conclusions about site water quality are based on a combination of the quantitative and qualitative methods used to evaluate the water quality data.

7.1 Concentrations above MCL, LHA, DWA, MFCCC

Parameters measured at the site groundwater monitoring wells and pore-water sample locations that were above their respective Maine and United States Environmental Protection Agency (U.S.EPA) drinking water quality standards during 2024 are identified in detail in Sections 8.3 and 8.4. The Maine Center for Disease Control (MECDC) uses the U.S.EPA drinking water standards and health advisory levels for contaminants found in well water in Maine.[9] The health-related U.S.EPA drinking water standards and health advisory levels include:

- Maximum Contaminant Levels (MCLs);
- Life-time Health Advisory (LHA) Levels; and
- Health-Based Drinking Water Advisories (DWAs).

Parameters measured at the site surface water and stormwater monitoring locations that were above their Maine Freshwater Criterion Continuous Concentrations (MFCCCs) during 2024 are identified in detail in Section 8.4.

7.2 Key Indicator Parameters for Comparison to JRL Leachate

For each of the site monitoring locations, specific conductance, chloride, and arsenic concentrations are summarized as key indicator parameters for comparison to JRL leachate concentrations. Generally, at a given water quality monitoring location, if landfill leachate were present, there would be a notable significant increase in specific conductance values and chloride and arsenic concentrations (in conjunction with changes in other parameter concentrations) due to their presence at high concentrations in the JRL

[9] United States Environmental Protection Agency, 2018. 2018 Edition of the Drinking Water Standards and Health Advisory Tables.

leachate. In 2024, the annual maximum value of specific conductance in JRL leachate (i.e., monitoring location LT-C4LR) was 22,146 µmhos/cm in October 2024. The annual maximum concentrations of chloride and arsenic at monitoring location LT-C4LR were 5,700 milligrams per liter (mg/L) (October 2024) and 0.37 mg/L (October 2024), respectively.

Specific conductance gives an indication of the total dissolved constituents at each monitoring location. Chloride is useful in assessing the site water quality in comparison to JRL leachate due to its very high concentration in the JRL leachate and its conservative nature in terms of adsorption, precipitation, and degradation in the groundwater environment. It is important to note that increases in chloride may also be due to runoff and recharge from salting or dust control of nearby roadways. Therefore, increases in chloride levels also need to be reviewed relative to site conditions.

Currently, there are limited occurrences of arsenic MCL (0.01 mg/L) exceedances in site groundwater that are attributed to reducing conditions associated with decreasing groundwater recharge from site development. These reducing conditions are interpreted to favor reductive dissolution of arsenic and iron hydroxides that are present naturally in the soils and bedrock, which results in the release and mobility of dissolved arsenic in the groundwater. There were only three groundwater monitoring locations (MW04-102, MW09-901, and MW-223A) with arsenic concentrations above the MCL of 0.01 mg/L in 2024, which are discussed in Section 8.3. Each of these locations had arsenic MCL exceedances in October 2024 but did not have arsenic detections above the laboratory reporting limit of 0.005 mg/L during the April and July 2024 monitoring events. If observed, occurrence of arsenic concentration increases in the JRL water quality monitoring locations, accompanied by increases in specific conductance values and chloride concentrations, may be a reliable indicator of landfill impacts resulting from the presence of JRL leachate.

Bromide was added to the monitoring program during 2013. Section 8.1 includes an evaluation of the chloride to bromide ratios for the JRL leachate during 2024 and how they compare to chloride to bromide ratios for site monitoring locations during 2024.

7.3 Data Plots and Data Summary Sheets

Water quality data for each monitoring location are summarized in the data summary sheets contained in Appendix E. The summary sheet prepared for each sampling location contains a map and description of the monitoring point, a 2024 water quality data summary, and a statistical summary of the historical data prior to 2024. Parameter concentrations that were outside of the range of historical minimum and maximum values in 2024 at site monitoring locations are identified on the individual water quality summary sheets contained in Appendix E. The comparison of the 2024 values to the historical range is only performed if there are at least four samples in the historical data set.

Also included in Appendix E are data plots of select monitoring parameter data for each of the sampling locations. The data plots graphically provide a useful way to visually identify long-term and short-term trends in the water quality data.

7.4 Mann-Kendall Trend Analyses

Mann-Kendall trend analyses were run for the JRL water quality data to screen for potential statistically significant changes in water quality parameter concentrations over time. The Mann-Kendall analysis was chosen because it is nonparametric and is robust to outliers, missing data, and non-detects. Time-series plots of water quality parameter concentrations often contain multiple trends over time due to various factors. In order to evaluate current trends for this annual report, the Mann-Kendall trend analyses were run for the site data over two time periods; from the end of 2024 back three years and five years. The three-year and five-year timeframes are suitable for evaluating changes in water quality related to more recent conditions, and to identify ongoing longer trends. The Mann-Kendall trend analyses were evaluated at a 95 percent confidence level.

The Mann-Kendall results for groundwater, surface water, stormwater, leachate, leak detection, and underdrain locations are provided in Appendix F and are discussed by location in Section 8.0.

Although rapid increases in concentrations of multiple parameters at a monitoring location may reflect site operational impacts such as spillage of leachate or landfill liner leakage, changes in multiple parameter values at a given monitoring location can also result from changes in groundwater conditions unrelated to the landfill leachate. As an example, decreases in natural precipitation recharge to the groundwater will change redox, alkalinity, and pH conditions, which results in the release of various constituents such as iron, manganese, and arsenic from soils and bedrock into the groundwater. Nearly all chemical constituents are subject to changes in concentrations resulting from interactions between soil, rock, and groundwater.

Increases in multiple (i.e., four or more) parameters, especially key indicator parameters, are noted in our evaluation of the water quality in the site monitoring locations. At locations where this criterion is met, further assessment of water quality data and site conditions is completed to ascertain the potential causes for the change in water quality.

The trend analyses are used as a screening tool to review the water quality and must be viewed in conjunction with other factors such as the specific parameters exhibiting trends and the parameter concentrations detected at the monitoring locations (i.e., a specific parameter could have an increasing trend but remain within a range consistent with upgradient concentrations). The results of the trend screening analyses are compared visually with the time-series plots (data plots) described above to aid in assessing the actual significance of a statistical trend.

7.5 Stiff and Piper Diagram Construction

Stiff and Piper Diagrams were constructed for multiple monitoring locations to assist in the evaluation of water quality at these locations in 2024. These diagrams are graphical representations of select parameters that display the major ion composition of a water quality sample. They were used at several of the monitoring locations to compare the ionic composition of the water quality samples to other sample results such as upgradient locations and/or the landfill leachate to assess potential sources of water at the wells. This can be a valuable tool to compare water quality between various locations since it can be used to “fingerprint” ionic ratios, independent of concentration. See Appendix G and Appendix H for Stiff and Piper diagrams.

8.0 WATER QUALITY EVALUATION

The 2024 water quality data for the JRL is generally consistent with the historical data for the site. The 2024 water quality data from monitoring locations at the JRL are consistent with their setting among the construction and operational activities of the landfill. Site groundwater, surface water, and underdrain quality data do not show adverse effects from the performance of the landfill cells or leachate collection and transport systems. Water quality changes have been observed at the JRL, both upgradient and downgradient from the landfill. These trends are largely attributable to landfill operations and changes in redox conditions, which occur as expected around the landfill due to the construction of the landfill (e.g., from removal of vegetation, disturbance of native soils, and the cutoff of precipitation in the landfill area), and do not indicate any significant landfill related impacts to water quality from malfunction of the landfill liners.

Arsenic is the only parameter analyzed in groundwater monitoring wells that was detected above an MCL in 2024. During 2024, arsenic concentrations were generally low at the site-wide monitoring locations. Of the 44 wells sampled for the detection monitoring program during 2024, only three wells had arsenic concentrations detected above the MCL (0.01 mg/L), which are discussed in Section 8.3. At one of these three monitoring locations, the detection above the MCL is anomalously high and is believed to be a laboratory error, which is discussed further in Section 8.3. There were no arsenic concentrations detected above the MCL at pore-water sampling locations PWS10-1, PWS10-2, PWS10-3, and PWS-4 in 2024. There were no arsenic MFCCC exceedances during 2024 at surface water monitoring locations SW-1, SW-2, and SW-3, and SW23-4. The presence of arsenic at JRL monitoring locations in 2024, while limited, is attributed to reducing conditions associated with decreasing groundwater recharge from site development. These reducing conditions are interpreted to favor reductive dissolution of arsenic and iron hydroxides that are present naturally in the soils and bedrock, which results in the release and mobility of dissolved arsenic in the groundwater.

Observations relative to the site water quality data for 2024, in terms of historical and regulatory comparisons and site setting, are discussed below for: leachate (Section 8.1); underdrain (Section 8.2); groundwater (Section 8.3); and surface water, stormwater, and pore-water (Section 8.4) monitoring locations. Water quality parameter data not specifically discussed in this report are considered to be generally consistent with the previously obtained water quality data for the JRL.

8.1 Leachate

The landfill leachate is sampled and analyzed as part of the ongoing water quality monitoring program. Leachate samples were obtained from the on-site leachate storage tank (i.e., LT-C4LR) during 2024. Leachate sampling location LT-C4LR replaced the former leachate sampling location in July 2013 in order to obtain leachate samples that are representative of leachate from all of the landfill cells. The leachate at LT-C4LR was sampled for the parameters in the detection monitoring analytical program (see Table 4-1) in April 2024 and October 2024 and was sampled for the parameters listed in Appendix A, Column 3 of the Chapter 405 MEDEP Solid Waste Rules in July 2024. Leachate samples associated with compliance monitoring for off-site wastewater treatment are also obtained at the leachate storage tank when transport tanker trucks are being loaded. During 2024, approximately 24,057,700 gallons of leachate were loaded into tanker trucks and transported from JRL for off-site treatment.

2024 Leachate Parameters that Fall Outside of Historical Range

Leachate parameter values during 2024 and historically are generally characterized by high concentrations. There were multiple parameters that were detected outside of their respective historical ranges during 2024 for LT-C4LR. The parameters with new historical maximum or minimum values at LT-C4LR in 2024 are summarized in Table 8-1.

TABLE 8-1

SUMMARY OF LT-C4LR PARAMETERS WITH NEW HISTORICAL MINIMUM OR MAXIMUM VALUES IN 2024

Parameter and Units	Date	New Historical Minimum Value	New Historical Maximum Value
Vinyl Chloride (µg/L)	10/8/2024	-	1.6 (1.5)
Benzene (µg/L)	10/8/2024	-	7.7 (6.6)
Tetrahydrofuran (µg/L)	10/8/2024	-	740 (600)
Iron (mg/L)	10/8/2024	2.8 (2.9)	-
Magnesium (mg/L)	4/2/2024	140 (170)	-
Potassium (mg/L)	4/2/2024	500 (580)	-
Bicarbonate Alkalinity (CaCO3) (mg/L)	10/8/2024	390 (1,370)	-
Chloride (mg/L)	4/2/2024	2,500 (2,560)	-

Notes:
Concentrations provided in milligrams (mg) or micrograms (µg) per liter, as indicated.
Previous historical maximum and minimum values are shown in parentheses.

2024 Leachate Key Indicator Parameters

The specific conductance values at LT-C4LR in 2024 ranged from 12,151 µmhos/cm in April 2024 to 22,146 µmhos/cm in October 2024. Chloride concentrations at LT-C4LR in 2024 ranged from 2,500 mg/L in April 2024 to 5,700 mg/L in October 2024. The chloride concentration in April 2024, was a new historical minimum. Arsenic concentrations at LT-C4LR in 2024 ranged from 0.19 mg/L in April 2024 to 0.37 mg/L in October 2024. The 2024 data from the leachate monitoring location is included in Appendix D.

2024 Leachate Mann-Kendall Trends

The results for the three- and five-year Mann-Kendall trends at LT-C4LR are provided in Appendix F. There are four parameters (chloride, dissolved oxygen, magnesium, and total suspended solids) with statistically significant decreasing trends for LT-C4LR over the past five years. There are no multiple parameters (i.e., four or more) at LT-C4LR with statistically significant increasing trends over the past three years and five years or decreasing trends for the past three years.

2024 Leachate VOCs, SVOCs, Herbicides, Pesticides, and PCBs

Leachate was monitored for VOCs, SVOCs, herbicides, pesticides, and PCBs in July 2024 at LT-C4LR and for VOCs during the April 2024 and October 2024 monitoring events at LT-C4LR. Appendix D includes the monitoring results at LT-C4LR for 2024. The results of VOC, SVOC, herbicide, pesticide, and PCB parameters at LT-C4LR detected during 2024 at levels above their respective laboratory reporting limits are summarized in Table 8-2.

TABLE 8-2

SUMMARY OF 2024 VOC, SVOC, HERBICIDE, PESTICIDE, AND PCB PARAMETERS DETECTED AT LT-C4LR

Parameter	April 2024	July 2024	October 2024
Acetone	1,300 µg/L	720 µg/L	820 µg/L
1,2-Dichloroethane	3.4 µg/L	2.2 µg/L	2.4 µg/L
Cis-1,2-Dichloroethene	2.8 µg/L	2.0 µg/L	2.1 µg/L
Methyl Ethyl Ketone	1,100 µg/L	550 µg/L	560 µg/L
Benzene	4.6 µg/L	4.1 µg/L	7.7 µg/L
4-Methyl-2-Pentanone	28 µg/L	18 µg/L	19 µg/L
Ethylbenzene	10 µg/L	8.9 µg/L	9.5 µg/L
m,p-Xylene	15 µg/L	13 µg/L	14 µg/L
o-Xylene	6.7 µg/L	6.5 µg/L	7.2 µg/L
Tetrahydrofuran	310 µg/L	450 µg/L	740 µg/L
Toluene	56 µg/L	29 µg/L	29 µg/L
Vinyl Chloride	ND	1.1 µg/L	1.6 µg/L
Diethyl Ether	ND	ND	12 µg/L
Methylene Chloride	1.2 µg/L	ND	ND
Styrene	1.2 µg/L	ND	ND
3&4-Methylphenol	ND	63	ND

Notes:
µg/L – micrograms per liter
ND – not detected above laboratory detection limit

No pesticide, herbicide, or PCB parameters were detected above laboratory reporting limits in 2024.

No VOCs were detected above their respective laboratory reporting limits at JRL water quality monitoring locations during 2024. During 2024, VOCs were monitored at locations LF-UD-5and6 (April 2024), LP-UD-2 (April and October 2024), and MW-401B (April 2024).

2024 Leachate Bromide Concentrations Compared to Groundwater, Underdrain, Leak Detection, Pore-Water, Surface Water, and Stormwater Bromide Concentrations

Bromide was present in the leachate (LT-C4LR) samples obtained during 2024 at concentrations ranging from 31 mg/L in April 2024 to 82 mg/L in October 2024, which are within the historical range for bromide at LT-C4LR. The chloride to bromide ratio for the leachate and site monitoring locations is being evaluated for its potential as a useful screening tool for assessing possible leachate influence in water samples obtained from site monitoring locations. The chloride to bromide ratios for the leachate during 2024 were approximately 81 to 1 in April 2024, 81 to 1 in July 2024, and 70 to 1 in October 2024.

While the ratio of chloride to bromide can be used to differentiate a variety of bromide sources,[10] the bromide concentrations in the JRL water quality sampling locations in 2024 were either non-detect or at low values. In 2024, bromide analyses were conducted on a total of 136 samples taken from 60 monitoring locations including groundwater monitoring wells, underdrain monitoring locations, leak detection monitoring locations, pore-water monitoring locations, surface water monitoring locations, and stormwater monitoring locations. 103 of the samples were non-detect at a laboratory reporting limit of 0.10 mg/L.

There were bromide measurements above the laboratory detection limit during 2024 at 28 groundwater monitoring wells, three leak detection monitoring locations, and one underdrain monitoring location. Among the total of 33 bromide detections during 2024, the concentrations ranged from 0.10 mg/L (OW-605A in July 2024 and MW-301 in October 2024) to 0.59 mg/L (MW06-01 in April 2024), with a mean concentration of approximately 0.21 mg/L. There were no bromide detections above the laboratory reporting limit at the JRL pore-water, surface water, and stormwater monitoring locations during 2024.

Bromide detections at monitoring locations during 2024 were within their respective historical ranges with the following exceptions:

- Bromide exceeded the previous historical maximum concentration of 0.24 mg/L at MW06-01 in April 2024 with concentrations of 0.59 mg/L;
- Bromide exceeded the previous historical maximum concentration of 0.16 mg/L at OW-606A in July 2024 with a concentration of 0.20 mg/L;
- Bromide, which has previously not been detected above the laboratory reporting limit of 0.1 mg/L at OW-610A, was detected at a new historical maximum concentration of 0.13 mg/L in July 2024; and

[10] Panno, S.V., Hackley, K.C., Hwang, H.H., Greenberg, S.E., Krapac, I.G., Landsbergger, S., and O'Kelly, D.J., 2006, Characterization and identification of Na-Cl sources in ground water. Ground Water. 2006 Mar-Apr; 44(2):129.

- Bromide, which has previously not been detected above the laboratory reporting limit of 0.1 mg/L at LF-LD-12, was detected at a new historical maximum concentration of 0.57 mg/L in July 2024.

Although LF-LD-12 has only been sampled four times prior to the July 2024 monitoring event, which would indicate that some new historical maximum and minimum concentrations would be anticipated in 2024, the new historical maximum bromide concentration in July 2024 is paired with a new historical maximum chloride concentration. Chloride exceeded its previous historical maximum concentration of 2.2 mg/L at LF-LD-12 with a July 2024 concentration of 37 mg/L. The moderate increase in the chloride concentration at LF-LD-12 during 2024 is still very low compared to the annual maximum chloride concentration of 5,700 mg/L in the leachate during 2024. The historical range of chloride is 2,500 mg/L to 24,300 mg/L, which indicates that the water sampled from LF-LF-12 in July 2024 with a concentration of 37 mg/L chloride is not leachate. The 2025 monitoring at LF-LD-12 will be useful for determining whether the increase in chloride and bromide concentrations persists.

The 2024 bromide detections and chloride to bromide ratios are summarized in Table 8-3. The bromide concentrations above the laboratory reporting limits during 2024 are generally within the range of naturally occurring bromide concentrations in Maine, particularly in locations such as the JRL site that were in the area of post-glacial sea submergence.[11]

The chloride to bromide ratios summarized in Table 8-3 for the groundwater, underdrain, and leak detection monitoring locations are broad ranging (i.e., from 10 to 1 to 230 to 1), with a median ratio of approximately 63 to 1. The standard deviation of the 33 water quality monitoring chloride to bromide ratios calculated is 74 to 1; this high standard deviation indicates that the data are spread out and not tending toward values similar to the chloride to bromide ratios of the leachate. None of the 33 water quality monitoring calculated chloride to bromide ratios fell within the same range as JRL leachate monitoring location LT-C4LR during 2024.

The chloride concentrations associated with bromide detections were generally low and ranged from 1.1 mg/L (LF-LD-14 in July 2024) to 37 mg/L (LF-LD-12 in July 2024). Twenty-one of the 33 chloride concentrations associated with bromide detections during 2024 were at concentrations of less than 20 mg/L.

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[11] Snow, M.S., Kahl, J.S., Norton, S.A., Olson, C., 1990. Geochemical determination of salinity sources in ground water wells in Maine. Proc., Focus Conference on Eastern Regional Ground Water Issues, Ground Water, Management No. 3, 1990, pp. 313-327.

TABLE 8-3

SUMMARY OF CHLORIDE TO BROMIDE RATIOS FOR 2024 BROMIDE DETECTIONS ABOVE LABORATORY REPORTING LIMITS

Location Designation	Date	Chloride Concentration (mg/L)	Bromide Concentration (mg/L)	Chloride to Bromide Ratio
LT-C4LR	April 2024	2,500	31	81:1
	July 2024	4,200	52	81:1
	October 2024	5,700	82	70:1
LF-LD-12	July 2024	37	0.57	65:1
LF-LD-13	July 2024	12	0.32	38:1
LF-LD-14	July 2024	1.1	0.11	10:1
LF-UD-5 and 6	April 2024	3.7	0.14	26:1
	July 2024	3.7	0.13	28:1
MW04-109R	April 2024	2.8	0.12	23:1
	July 2024	2.5	0.14	18:1
	October 2024	2.8	0.14	20:1
MW06-01	April 2024	12	0.59	20:1
	July 2024	12	0.23	52:1
	October 2024	12	0.19	63:1
MW09-901	April 2024	7.6	0.24	32:1
	July 2024	6.7	0.21	32:1
	October 2024	5	0.24	21:1
MW-223A	April 2024	34	0.19	179:1
	July 2024	34	0.19	179:1
	October 2024	35	0.20	175:1
MW-223B	April 2024	31	0.14	221:1
	July 2024	29	0.14	207:1
	October 2024	27	0.16	169:1
MW-301	October 2024	23	0.10	230:1
MW-401B	April 2024	7.1	0.20	36:1
	July 2024	4.6	0.21	22:1
	October 2024	4.1	0.22	19:1
MW-502	April 2024	20	0.22	91:1
	July 2024	19	0.23	83:1
	October 2024	15	0.20	75:1
OW-601B	July 2024	36	0.20	180:1
OW-602A	July 2024	17	0.33	52:1
OW-605A	July 2024	17	0.10	170:1
OW-606A	July 2024	35	0.20	175:1
OW-610A	July 2024	23	0.13	177:1
P-04-04	October 2024	14	0.11	127:1

Based on a study of 32 locations across 24 states in the United States, potable groundwater that has less than 10 mg/L chloride (which is a similar concentration to most JRL sampling locations) had chloride to bromide ratios ranging from 43 to 1 to 285 to 1 with a median ratio of 101 to 1.[12] These values are generally consistent with the site monitoring locations where bromide was detected at low concentrations (see Table 8-3).

[12] Davis, S.N., Fabryka-Martin, J.T., Wolfsberg, L.E., 2004. Variations of bromide in potable groundwater in the United States. Groundwater 42 (6), 902-909.

8.2 Underdrains

The JRL underdrain monitoring locations for the landfill and Detention Pond 1A are listed in Table 8-4. Where there was flow during 2024 from underdrain monitoring locations, the underdrain monitoring data do not show adverse effects from the performance of the landfill cells or leachate collection and transport systems.

There was no flow at LF-UD-1, LF-UD-2, LF-UD-3A,B, LF-UD-4, LF-UD-6, LF-UD-7, LF-UD-8, LF-UD-9, LF-UD-10, LF-UD-12+13+14, and LP-UD-1 during any of the three 2024 monitoring events; thus, no samples were obtained. The 2024 occurrences of no flow at these underdrain monitoring locations are generally consistent with recently observed patterns. The lack of flowing conditions at underdrain monitoring locations that previously flowed regularly is associated with the lowering of the groundwater table that has resulted from the construction of the landfill expansion cells (see Section 2.0).

Landfill underdrain monitoring location LF-UD-5and6 had sufficient flow for monitoring in April and July 2024 and LP-UD-2 had sufficient flow for monitoring in April, July, and October 2024.

The sampling pipes in LF-COMP and LP-COMP were not submerged during the three 2024 monitoring events, so those locations were not sampled.

LF-COMP and LP-COMP samples were obtained and analyzed by NEWSME for field parameters monthly during 2024.

Comparison of Key Indicator Parameters at Underdrains to JRL Leachate and Summary of Statistically Significant Trend Results

The 2024 annual maximum specific conductance values and chloride and arsenic concentrations for underdrain monitoring locations are summarized in Table 8-4. The Mann-Kendall analyses results for statistically significant trends for these parameters are summarized in Table 8-4 as well. The complete results for Mann-Kendall analyses are provided in Appendix F.

TABLE 8-4

2024 ANNUAL MAXIMUM SPECIFIC CONDUCTANCE VALUES AND CHLORIDE AND ARSENIC CONCENTRATIONS AT UNDERDRAIN MONITORING LOCATIONS

Location Designation	Annual Maximum Specific Conductance (22,146 µmhos/cm in JRL Leachate in October 2024)			Annual Maximum Chloride (5,700 mg/L in JRL Leachate in October 2024)			Annual Maximum Arsenic (0.37 mg/L in JRL Leachate in October 2024)		
	µmhos/cm	Statistically Significant Trend		mg/L	Statistically Significant Trend		mg/L	Statistically Significant Trend	
		3-Year	5-Year		3-Year	5-Year		3-Year	5-Year
LF-COMP	650	Increasing	-	NS	I	I	NS	I	I
LF-UD-1	NS	I	I	NS	I	I	NS	I	I
LF-UD-2	NS	I	-	NS	I	-	NS	I	-
LF-UD-3A,B	NS	I	I	NS	I	I	NS	I	I
LF-UD-4	NS	I	-	NS	I	-	NS	I	-
LF-UD-5and6	371	-	Increasing	3.7	-	Increasing	0.005 U	-	-
LF-UD-6	NS	I	-	NS	I	-	NS	I	-
LF-UD-7	NS	I	I	NS	I	I	NS	I	I
LF-UD-8	NS	I	I	NS	I	I	NS	I	I
LF-UD-9	NS	I	I	NS	I	I	NS	I	I
LF-UD-10	NS	I	I	NS	I	I	NS	I	I
LF-UD-12+13+14	142	-	-	NS	I	I	NS	I	I
LP-COMP	384	Increasing	Increasing	NS	I	I	NS	I	I
LP-UD-1	NS	I	I	NS	I	I	NS	I	I
LP-UD-2	531	Increasing	Increasing	2.9	-	Decreasing	0.005 U	-	-

Notes:
U = not detected above indicated laboratory reporting limit
NS = Insufficient liquid to obtain a sample in 2024
– = no trend
I = insufficient data

Annual maximum specific conductance values during 2024 from LF-COMP, LF-UD-5and6, LF-UD-12+13+14, LP-COMP, and LP-UD-2 ranged from 142 µmhos/cm (LF-UD-12+13+14 in April 2024) to 650 µmhos/cm (LF-COMP in September 2024). While the 2024 annual maximum specific conductance values for some underdrain monitoring locations are greater than background values (e.g., an annual maximum specific conductance value of 141 µmhos/cm at upgradient monitoring well MW-206 in July 2024), the annual maximum chloride and arsenic concentrations at LF-UD-5and6 and LP-UD-2 remain very low or non-detect and do not indicate the influence of JRL leachate. The chloride concentrations among these locations were low with an overall annual maximum value of 3.7 mg/L measured at LF-UD-5and6 in April and July 2024 (chloride was detected in leachate at a concentration of 5,700 mg/L at LT-C4LR in October 2024). Arsenic was not detected above the laboratory reporting limit of 0.005 mg/L in any underdrain monitoring locations sampled during 2024 (i.e., LF-UD-5 and 6 and LF-UD-2).

The LF-COMP specific conductance values in August through November 2024, which ranged from 542 to 650 µmhos/cm, were greater than the previous historical maximum value of 504 µmhos/cm. This could be associated with more concentrated liquid in manhole MH #5 during the low precipitation totals during that period. Hydrological drought conditions occurred during November and December 2024 in the

Southern Interior Zone of Maine, where the Site is located (see Section 2.0). All other underdrain monitoring locations with flow during 2024 had specific conductance values within their respective historical ranges.

For underdrain monitoring locations with sufficient data for analysis, the Mann-Kendall trend analyses for the key indicator parameters (i.e., specific conductance, chloride, and arsenic) generally indicate:

- Stable to increasing trends for specific conductance. Review of specific conductance data for LF-UD-5and6, LP-COMP, and LP-UD-2 indicate that the increasing trends are very gradual and that the 2024 values were within historical range;
- Stable trends for chloride. Review of the chloride data for LF-UD-5and6 and LP-UD-2 indicate that the increasing and decreasing trends, respectively, are very gradual and that the 2024 values were within historical range. Additionally, chloride concentrations at LF-UD-5and6 and LP-UD-2 remain very low; and
- No trends for arsenic.

Of the underdrain monitoring locations with sufficient data for Mann-Kendall trend analyses, the following were instances of multiple parameters (i.e., four or more) with three-year and/or five-year statistically significant increasing and/or decreasing trends;

- LF-UD-5and6 – three-year statistically significant decreasing trends for magnesium, potassium, total dissolved solids, and turbidity;
- LF-UD-5and6 – five-year statistically significant decreasing trends for alkalinity, Eh, pH, and sulfate; and
- LP-UD-2 – five-year statistically significant decreasing trends for chloride, dissolved oxygen, pH, and sulfate.

The complete results of the Mann-Kendall analyses are included in Appendix F.

Underdrain parameter values that were outside of their respective historical ranges during 2024 include:

- LP-UD-2 – Iron (3.40 mg/L in July 2024) exceeded the previous historical maximum value (2.86 mg/L);
- LP-UD-2 – Potassium (1.6 mg/L in April 2024) was less than the previous historical minimum value (1.7 mg/L);

- LP-UD-2 – Sodium (5.0 mg/L in April 2024) was less than the previous historical minimum value (5.5 mg/L);
- LF-UD-5and6 – Total dissolved solids (172 mg/L in April 2024) was less than the previous historical minimum value (183 mg/L); and
- LF-UD-5and6 – Bicarbonate alkalinity (140 mg/L in April 2024) was less than the previous historical minimum value (150 mg/L).

2024 Underdrain VOCs

VOCs were analyzed at underdrain locations with flow in April and October 2024. There were no VOCs detected in 2024 above laboratory reporting limits at any of the sampled underdrain locations.

8.3 Groundwater Quality

During 2024, routine water quality samples were obtained from the 48 monitoring well locations that had sufficient water quantity for sampling at the JRL during the April, July, and October 2024 monitoring events.[13] With few exceptions, historical water quality data from groundwater monitoring locations at the JRL are consistent with their setting, the groundwater flow conditions at the monitoring locations, and normal construction and operational activities of the landfill. Site groundwater data do not show adverse effects from the performance of the landfill cells or leachate collection and transport systems. The 2024 water quality data remain consistent with these interpretations.

Comparison of Key Indicator Parameters at Groundwater Monitoring Locations to JRL Leachate and Summary of Statistically Significant Trend Results

A summary of site-wide groundwater quality in 2024 at the JRL is provided in Table 8-5. The table contains a comparison of 2024 values of key indicator parameters (i.e., specific conductance, chloride, and arsenic) from leachate monitoring location LT-C4LR to the site's 50 groundwater monitoring locations and current statistically significant trends of the key indicator parameters. The table also includes a summary of locations identified with statistically significant trends for multiple (i.e., four or more) parameters. The complete results of the Mann-Kendall trend analyses are provided in Appendix F. The groundwater monitoring locations shown in Table 8-5 are listed in order of 2024 annual maximum specific conductance values by location from high to low.

[13] See footnotes 4 through 6 from Section 3.1.

TABLE 8-5

2024 ANNUAL MAXIMUM SPECIFIC CONDUCTANCE VALUES
AND CHLORIDE AND ARSENIC CONCENTRATIONS AT
GROUNDWATER MONITORING LOCATIONS

Location Designation [2]	Position Relative to Landfill	Material Screened	Annual Maximum Specific Conductance (22,146 µmhos/cm in JRL Leachate in October 2024)			Annual Maximum Chloride (5,700 mg/L in JRL Leachate in October 2024)			Annual Maximum Arsenic (0.37 mg/L in JRL Leachate in October 2024)			Multiple Parameters with Decreasing Trends [2]		Multiple Parameters with Increasing Trends [2]	
			µmhos/cm	Statistically Significant Trend		mg/L	Statistically Significant Trend		mg/L	Statistically Significant Trend		3-Year	5-Year	3-Year	5-Year
				3-Year	5-Year		3-Year	5-Year		3-Year	5-Year				
MW-223A	Downgradient	Bedrock	633	Increasing	Increasing	35	-	-	0.033	-	-	No	No	No	Yes (4)
P-04-07B	Downgradient Expansion	Bedrock	552	Increasing	Increasing	57	-	-	0.005 U	-	-	No	No	No	No
MW-223B	Downgradient	Overburden	500	-	-	31	Decreasing	Decreasing	0.005 U	-	-	No	No	No	No
OW-610A	Downgradient Expansion	Bedrock	453	-	-	23	-	-	0.005 U	-	-	No	No	No	No
OW-611A	Downgradient Expansion	Bedrock (Open Borehole)	436	-	-	38	-	-	0.005 U	-	-	No	No	No	Yes (4)
OW-602A	Downgradient Expansion	Bedrock	397	Increasing	Increasing	17	-	-	0.005 U	-	-	No	No	No	Yes (6)
OW-606A	Downgradient Expansion	Bedrock (Open Borehole)	385	Increasing	Increasing	35	-	Decreasing	0.005 U	-	-	No	No	No	Yes (4)
MW04-105	Downgradient	Overburden	381	-	-	NS	I [3]	I [3]	NS	I [3]	I [3]	Not Assessed			
OW-604A	Downgradient Expansion	Bedrock	379	Increasing	Increasing	39	-	Increasing	0.005 U	-	-	No	No	No	Yes (5)
OW-609B	Downgradient Expansion	Overburden	376	-	-	49	-	-	0.005 U	-	-	No	No	No	No
MW04-109R	Downgradient	Overburden	376	-	Decreasing	2.8	Decreasing	-	0.005 U	-	-	No	Yes (8)	No	No
OW-601B	Downgradient Expansion	Overburden	366	-	-	36	-	-	0.005 U	-	-	No	No	No	No
OW-601A	Downgradient Expansion	Bedrock	351	-	-	12	-	-	0.005 U	-	-	No	No	No	No
MW09-901	Downgradient	Overburden	351	-	-	7.6	-	-	0.17 [4]	-	-	No	No	No	No
MW-502	Downgradient Expansion	Bedrock	330	-	-	20	-	-	0.005 U	-	-	No	No	No	No
MW-401B	Downgradient	Overburden	330	Increasing	Increasing	7.1	-	-	0.005 U	-	Decreasing	No	Yes (5)	No	No
MW-507	Downgradient Expansion	Bedrock (Open Borehole)	303	-	-	34	-	-	0.005 U	-	-	No	No	No	No
MW12-303R	Upgradient	Overburden	298	-	-	7.8	Decreasing	Decreasing	0.005	-	-	No	No	No	Yes (4)
MW-508	Downgradient Expansion	Bedrock	297	-	-	22	Decreasing	Decreasing	0.005 U	-	-	Yes (9)	Yes (9)	No	No
MW-501	Downgradient Expansion	Bedrock	294	Increasing	-	15	-	Decreasing	0.005 U	-	-	No	No	No	No
MW06-01	Downgradient Expansion	Overburden	270	Increasing	Increasing	12	-	Increasing	0.005 U	-	-	No	No	Yes (5)	Yes (10)
MW-04-09A	Downgradient Expansion	Bedrock	270	Decreasing	Decreasing	4.4	Decreasing	Decreasing	0.005 U	-	Decreasing	Yes (9)	Yes (11)	No	No
OW-605A	Downgradient Expansion	Bedrock (Open Borehole)	262	-	-	17	-	-	0.005 U	-	-	No	No	No	No
P-04-07A	Downgradient Expansion	Bedrock	261	-	-	19	Decreasing	Decreasing	0.005 U	-	-	No	No	No	No
OW-06-03	Downgradient Expansion	Overburden	256	-	-	NS (Dry)	I [3]	I [3]	NS (Dry)	I [3]	I [3]	No [3]	No [3]	No [3]	No [3]
MW-301	Downgradient	Bedrock	252	-	-	29	Increasing	Increasing	0.005 U	-	-	No	No	No	No

Location Designation [2]	Position Relative to Landfill	Material Screened	Annual Maximum Specific Conductance (22,146 µmhos/cm in JRL Leachate in October 2024)			Annual Maximum Chloride (5,700 mg/L in JRL Leachate in October 2024)			Annual Maximum Arsenic (0.37 mg/L in JRL Leachate in October 2024)			Multiple Parameters with Decreasing Trends [2]		Multiple Parameters with Increasing Trends [2]	
			µmhos/cm	Statistically Significant Trend		mg/L	Statistically Significant Trend		mg/L	Statistically Significant Trend		3-Year	5-Year	3-Year	5-Year
				3-Year	5-Year		3-Year	5-Year		3-Year	5-Year				
MW-204	Downgradient	Overburden	252	-	-	NS	I [3]	I [3]	NS	I [3]	I [3]	No [3]	No [3]	No [3]	No [3]
P-206A	**Upgradient**	**Bedrock**	**232**	**-**	**-**	**27**	**Increasing**	**Increasing**	**0.005 U**	**-**	**-**	**No**	**Yes (4)**	**No**	**Yes (4)**
MW-503	Downgradient Expansion	Bedrock	230	-	Increasing	16	-	-	0.005 U	-	-	Yes (5)	No	No	No
MW-505	Downgradient Expansion	Bedrock	230	-	Decreasing	2.5	Decreasing	Decreasing	0.005 U	-	-	Yes (6)	Yes (8)	No	No
P-04-02R	Downgradient	Overburden	229	-	Decreasing	1.7	-	Decreasing	0.005 U	-	Decreasing	No	Yes (11)	No	No
MW-08-01	Downgradient Expansion	Bedrock	226	-	-	5.1	-	-	0.005 U	-	-	Yes (5)	No	No	No
OW-608B	Downgradient Expansion	Overburden	218	-	Decreasing	3.5	-	-	0.005 U	-	-	No	No	No	No
MW04-102	Downgradient	Overburden	216	-	-	2.0	Increasing	Increasing	0.027	-	-	No	No	No	No
P-04-04	Downgradient	Overburden	208	-	Increasing	18	Increasing	Increasing	0.005 U	-	Decreasing	No	No	No	Yes (5)
DP-4	Downgradient	Overburden	189	-	-	NS	I [3]	I [3]	NS	I [3]	I [3]	No [3]	No [3]	No [3]	No [3]
OW-606B	Downgradient Expansion	Overburden/Bedrock	183	-	-	15	-	-	0.005 U	-	-	No	No	No	No
MW-227	Downgradient	Overburden	183	-	-	1.5	Increasing	-	0.005	Decreasing	Decreasing	Yes (7)	Yes (4)	No	No
MW-401A	Downgradient	Bedrock	171	Increasing	Increasing	18	Increasing	Increasing	0.005 U	-	Decreasing	No	No	No	Yes (6)
OW-607B	Downgradient Expansion	Overburden	156	-	-	1.4	-	-	0.005 U	-	Decreasing	No	No	No	No
MW-402B	Downgradient	Overburden	148	-	-	1.5	-	-	0.0079	Decreasing	Decreasing	No	No	No	No
MW-206	Upgradient	Overburden	141	-	-	2.5	-	-	0.005 U	-	Decreasing	No	No	No	No
OW-608A	Downgradient Expansion	Bedrock (Open Borehole)	140	-	-	3.1	-	-	0.005 U	-	-	No	No	No	No
MW-504	Downgradient Expansion	Bedrock	136	Increasing	-	1.3	-	-	0.005 U	-	Decreasing	No	Yes (4)	No	No
MW-402A	Downgradient	Bedrock	132	Increasing	Increasing	2.4	Increasing	Increasing	0.0079	Decreasing	Decreasing	No	No	No	No
P-04-11A	Downgradient Expansion	Overburden	126	Increasing	-	2.4	Increasing	Increasing	0.0053	-	Decreasing	No	No	No	No
MW-04-09B	Downgradient Expansion	Overburden	102	-	-	6.0	Increasing	Increasing	0.005 U	-	-	No	Yes (7)	No	No
P-04-11B	Downgradient Expansion	Overburden	62	-	Increasing	6.4	--	-	0.005 U	-	-	No	No	No	No
OW-603B	Downgradient Expansion	Overburden	NS (Dry)	I	I	NS (Dry)	I	I	NS (Dry)	I	I	I	I [3]	I	I [3]
MW-506	Downgradient Expansion	Bedrock	Reported as Damaged and Not Sampled in 2024												

Notes:

[1] Locations shown with non-bold text have water quality that: (1) does not indicate influence from landfill leachate; and (2) shows limited influence from landfill construction operations. Locations shown with bold text currently have more pronounced water quality changes that are largely attributable to changes in redox conditions related to construction of the landfill and/or landfill operations, and do not indicate significant landfill related impacts to water quality from malfunction of landfill liners. Section 8.3 includes extended discussions for the locations shown with bold text.

[2] Number of parameters with trends shown in parenthesis for analyses with four or more trends. Locations monitored for field parameters only (i.e., DP-4, MW04-105, MW-204) are not assessed for multiple (i.e., four or more) parameters.

[3] Insufficient data for detection monitoring parameters (i.e., trends available for field parameters only).

[4] The October 2024 arsenic concentration of 0.17 mg/L at MW09-901 is anomalously high and is believed to be a laboratory error. Further discussion for the arsenic concentrations at this location is provided in this section.

U = not detected above indicated laboratory reporting limit
NS = not sampled in 2024
– = no trend
I = insufficient data

Arsenic concentrations site-wide are generally low and did not exceed the MCL of 0.01 mg/L at 45 of the 48 monitoring locations where arsenic was monitored in 2024. At two of the three groundwater monitoring locations where arsenic did exceed the MCL (MW04-102 and MW-223A), arsenic concentrations were detected at annual maximum values 0.027 mg/L at MW04-102 in October 2024 and 0.033 mg/L at MW-223A in October 2023. Although the October 2024 arsenic concentration at MW04-102 exceeded its previous historical maximum value of 0.017 mg/L, the annual maximum specific conductance value (216 µmhos/cm) and chloride concentration (2.0 mg/L) at this location remain very low. Arsenic was not detected above the laboratory reporting limit of 0.005 mg/L MW04-102 and MW-223A during the April and July 2024 monitoring events.

Arsenic was detected at an anomalously high value of 0.17 mg/L at MW09-901 in October 2024. The previous historical maximum arsenic concentration at MW09-901 was 0.019 mg/L and arsenic is frequently not detected at this location above the laboratory reporting limit of 0.005 mg/L, including during the April and July 2024 monitoring events. SME requested that MEL check for a reporting error and they indicated that they could not find any data issues with the result. At SME's request, MEL provided a preliminary arsenic concentration result at MW09-901 from the April 2025 monitoring event and arsenic was not detected above the laboratory reporting limit of 0.005 mg/L. It is SME's opinion that the October 2024 arsenic concentration at MW09-901 is likely the result of a laboratory error.

Based on review of Table 8-5 and a visual review of plotted 2024 and historical data, SME has identified 32 of the 50 site-wide groundwater monitoring locations with water quality that: (1) do not indicate influence from landfill leachate; and (2) currently show limited influence from landfill construction operations. These 32 groundwater monitoring locations are identified in Table 8-5 as the locations with non-bold text. The 2024 annual maximum specific conductance values at these wells range from 62 µmhos/cm at P-04-11B to 397 µmhos/cm at OW-602A. The 2024 annual maximum chloride concentrations at these monitoring locations were low and ranged from 1.3 mg/L at MW-504 to 19 mg/L at P-04-07A. For these reasons, extended discussion on these wells is not warranted at this time. Monitoring wells OW-603B and MW-506 were not sampled in 2024 and are also not further discussed in this section.

More pronounced water quality changes have been observed at multiple groundwater monitoring locations, both upgradient and downgradient from the landfill. These changes are evidenced at some monitoring locations by statistically significant trends, as summarized in Table 8-5, for multiple parameters. These trends are largely attributable to landfill construction (e.g., from removal of vegetation, disturbance of native soils, and the cutoff of precipitation in the landfill area), and changes in redox conditions due to the reduction of groundwater recharge from precipitation, and do not indicate any significant landfill related impacts to water quality from malfunction of the landfill liners.

SME has identified 16 of the site monitoring locations that currently warrant additional discussions. These monitoring locations, shown by bold text in Table 8-5, are: (1) upgradient monitoring location P-206A; (2) MW-223A, MW-223B, and MW-301, which are downgradient from Cells 1 through 10 of JRL; and (3) OW-601B, OW-602A, OW-604A, OW-606A, OW-609B, OW-610A, OW-611A, MW06-01, MW-502, MW-507, MW-508, and P-04-07B, which are downgradient from the landfill expansion. Groundwater quality at these monitoring locations is discussed below.

Extended Discussion on JRL Groundwater Quality

Upgradient Monitoring Location P-206A: Groundwater monitoring location P-206A is categorized as upgradient from the JRL; however, as the east side of the JRL (i.e., the upslope edge) is situated along the crest of a northwest-southeast trending drumlin, this upgradient monitoring location is not fully hydraulically isolated from the landfill and operations outside of the area of landfill construction (see interpreted phreatic surface and groundwater potentiometric surface maps in Appendix B).

P-206A is a bedrock piezometer located southeast from the landfill and outside of the area of landfill construction. P-206A was added to the monitoring program during the July 2013 sampling event to provide an additional upgradient bedrock monitoring location. Review of the water quality data at P-206A shows that there were increases for multiple parameters over the past several years; however, the groundwater quality at P-206A is still generally characterized by low parameter concentrations. The Mann-Kendall analyses indicate that there are statistically significant increasing trends for four parameters at P-206A for the past five years (chloride, Eh, nitrate plus nitrite, and sulfate) and statistically significant decreasing trends for four parameters over the past five years (manganese, potassium, sodium, and total suspended solids). There were not multiple parameters (i.e., four or more) with statistically significant increasing or decreasing trends over the past three years. Visual review of the data agrees with these trend results in that previous trends have appeared to have generally stabilized over the past few years.

The 2024 annual maximum values for parameters identified with current or recent increasing trends are:

- Chloride (27 mg/L in April 2024);
- Eh (348 mV in October 2024);
- Nitrate plus nitrite (0.4 mg/L in July 2024); and
- Sulfate (7.2 mg/L in July 2024).

The nitrate plus nitrite concentrations at P-206A were below the MCLs for both nitrate (10 mg/L) and nitrite (1 mg/L) and the sulfate value was well below the DWA of 500 mg/L. There were no health-related

Maine drinking water standard (i.e., MCL, LHA, or DWA) exceedances at P-206A during 2024 for the parameters analyzed.

There were new historical minimum values detected at P-206A in 2024 for turbidity, sodium and alkalinity. There were new historical maximum values detected at P-206A in 2024 for chloride, copper, and sulfate. Despite the recent increase in sulfate concentrations at P-206A, the values in 2024 remain low. Copper detected at P-206A at a concentration of 0.029 mg/L in April 2024, which is below the MCL of 1.3 mg/L, and was not detected at P-206A above the laboratory reporting limit of 0.003 mg/L in July and October 2024. The chloride concentrations at P-206A in 2024 are somewhat elevated, which might be attributed to road salting at the proximate looped road that accesses the JRL leachate storage tank.

Specific conductance at P-206A remain low with values ranging from 197 to 232 µmhos/cm in 2024. Arsenic was not detected above the laboratory reporting limit of 0.005 mg/L at P-206A during 2024.

Stiff and Piper diagrams were plotted using July 2024 data for upgradient monitoring well P-206A, as well as for upgradient monitoring locations MW-206 and MW12-303R and leachate monitoring location LT-C4LR. The diagrams are provided in Appendix G. These diagrams show similar ionic ratios among the upgradient monitoring wells in July 2024 and a clear distinction from the chemical signature of the leachate from LT-C4LR in July 2024 (see Appendix G).

Since groundwater quality at P-206A is still generally characterized by low parameter concentrations and the increasing water quality trends appear to be subsiding, SME does not interpret the current water quality at P-206A as related to the performance of landfill cells or leachate collection and transport systems. Monitoring location P-206A is located proximate to the looped road that accesses the JRL leachate storage tank. SME recommends that on-site snow removal and winter roadway maintenance practices minimize stockpiling of snow around this well.

<u>Downgradient Monitoring Locations MW-223A and MW-223B:</u> Groundwater monitoring wells MW-223A and MW223B monitor the bedrock and overburden groundwater, respectively, hydraulically downgradient and northwest of the JRL. In previous years' site water quality evaluations, SME has specifically addressed monitoring wells MW-223A and MW-223B, located along the northwest perimeter of the landfill, and potential site activities responsible for the water quality in these wells.[14,15] Additional insight into the water quality changes at these wells was discussed in the 2016 through 2020 site water quality evaluations, with the sampling of the former Scale House Well and former Office Well during those years. The evaluations determined that similarities existed among the former Scale House Well, the

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[14] SME, April 2015. 2014 Annual Water Quality Report, Juniper Ridge Landfill, prepared for NEWSME Landfill Operations LLC.

[15] SME, April 2016, 2015 Annual Water Quality Report, Juniper Ridge Landfill, prepared for NEWSME Landfill Operations LLC.

former Office Well, former monitoring well MW-302R, and MW-223A and MW-223B, and showed that they are distinct from the chemical signature of the leachate from LT-C4LR. The similarities in water quality in these wells are consistent with the known hydrogeology in this area of the site, which indicate a preferential groundwater flow direction exists from northeast to southwest from the vicinity of the former Scale House toward former monitoring well MW-302R and monitoring wells MW-223A, and MW-223B.[16] This suggests that water quality in monitoring wells MW-223A and MW-223B may in part be associated with upgradient water quality in the vicinity of the former Office Well and former Scale House Well in addition to the sources previously identified. A former topsoil and stump stockpile area and a subsurface wastewater disposal field which is no longer in use were also located along this preferential groundwater flow direction. Construction of landfill Cell 15 adjacent to MW-223A and MW-223B during 2022 and 2023 could be responsible for any parameter increases beginning in 2022 and continuing for the next several years.

Table 8-6 summarizes the 2024 annual maximum water quality parameter results for nine parameters at monitoring wells MW-223A and MW-223B that are elevated with respect to upgradient groundwater quality. Note that arsenic concentrations at MW-223B were not elevated with respect to upgradient groundwater quality, as is typical, and that arsenic was not detected above the laboratory reporting limit of 0.005 mg/L at MW-223A during two of the three 2024 monitoring events.

TABLE 8-6

SUMMARY OF 2024 ANNUAL MAXIMUM WATER QUALITY PARAMETER VALUES AT MW-223A AND MW-223B

Parameter	MW-223A	MW-223B	Upgradient Comparison (MW-206)
Specific Conductance (µmhos/cm)	633	500	141
Arsenic (mg/L)	0.033	0.005 U	0.005 U
Calcium (mg/L)	110	72	18
Magnesium (mg/L)	12	17	4.9
Sodium (mg/L)	6.5	6.6	4.7
Total Dissolved Solids (mg/L)	396	314	93
Sulfate (mg/L)	20	17	2.3
Bicarbonate Alkalinity (mg/L)	270	210	70 [1]
Chloride (mg/L)	35	31	2.5

Note:
[1] Value shown is for alkalinity. Bicarbonate alkalinity is not monitored at MW-206.

U – not detected above the indicated laboratory reporting limit

[16] SME, May 13, 2016, Letter to MEDEP regarding Juniper Ridge Landfill Expansion Application, MEDEP #S-020700WD-BI-N, follow-up to Department Staff's responses to the March 4, 2016 submittal on Staff's review comments as presented in the Department's April 5, 2016 letter (Attachment SME-D3, Figure U-14B – Bedrock Amended and Figure U-14B – Till Amended).

Piper and Stiff diagrams were plotted using July 2023 data for MW-223A and MW-223B, upgradient monitoring well MW-206, and the leachate sampled at LT-C4LR. The Piper and Stiff diagrams for these locations, which are provided in Appendix G, show similar chemical signatures for monitoring locations MW-223A and MW-223B with greater influence from calcium cations and bicarbonate alkalinity anions compared to upgradient monitoring location MW-206. There is a clear distinction from the chemical signature of the leachate from LT-C4LR compared to MW-223A and MW-223B.

Visual review of water quality trends at MW-223A and MW-223B show distinct increases in parameter concentrations since about 2005 or later. Many of these earlier increases have begun to stabilize or decrease. There are not statistically significant increasing or decreasing trends over the past three years for multiple parameters (i.e., four or more parameters) at MW-223A and MW-223B. There are also not statistically significant increasing or decreasing trends over the past five years for multiple parameters (i.e., four or more parameters) at MW-223B. There are statistically significant increasing trends at MW-223A for four parameters (bicarbonate alkalinity, nitrate plus nitrite, specific conductance, and total dissolved solids) over the past five years. These results are improved from results from previous recent years and generally indicate that water quality at MW-223A and MW-223B has begun to stabilize in the past few years. Review of historical data at MW-223A and MW-223B indicates most parameters remained within their respective historical ranges during 2024. Nitrate was the only one parameter at MW-223A with a new historical maximum concentration during 2024 (1.4 mg/L in July 2024 compared the previous historical maximum value of 1.2 mg/L). Similarly, there was a new historical maximum value for nitrate at MW-223B during 2024 (0.86 mg/L in October 2024 compared the previous historical maximum value of 0.75 mg/L). Methane was also detected at a new historical maximum value at MW-223B during 2024 (69 mg/L in October 2024 compared the previous historical maximum value of 40.6 mg/L).

Of note are statistically significant decreasing trends for chloride concentrations at MW-223B over the past three year and five years. Chloride, a key indicator for leachate influence in groundwater, was detected at an annual maximum concentration of 31 mg/L at MW-223B in April 2024, which is a decrease from the historical maximum value of 55.7 mg/L in April 2014. Similarly, chloride concentrations at MW-223A, with an annual maximum concentration of 35 mg/L in October 2024, have decreased since it was detected at a historical maximum concentration of 57.6 mg/L in April 2014.

Arsenic exceeded its MCL of 0.01 mg/L at MW-223B with a concentration of 0.033 mg/L in October 2024 and was not detected above its laboratory reporting limit of 0.005 mg/L in April and July 2024. There were no other parameters analyzed at MW-223A and MW-223B that exceeded MCL, LHA, or DWA standards in 2024.

SME does not interpret recent water quality and noted trends at MW-223A and MW-223B as related to the performance of landfill cells or leachate collection and transport systems.

Dissolved methane has been sampled at MW-223B as part of a supplemental monitoring program to evaluate potential influence of landfill gas to the groundwater at that location. The historical supplemental dissolved methane monitoring data at MW-223B has generally indicated that JRL landfill gas is not migrating away from the landfill in the vicinity of that well. Dissolved methane is typically not detected above the laboratory reporting limit of 20 µg/L at MW-223B but was detected at concentrations of 19 µg/L in April 2024 and 69 µg/L in October 2024. The latter concentration exceeded the previous historical maximum dissolved methane concentration of 40.6 µg/L. Continued dissolved methane monitoring data at MW-223B will be useful for determining whether detections persist at MW-223B in 2025.

Downgradient location MW-301: Monitoring well MW-301 is a deep bedrock monitoring well (screened between 162.7 and 182.7 feet below ground surface) located downgradient from the landfill in proximity of the Detention Pond 1A. The groundwater quality at MW-301 is consistent with its setting as a monitoring location downgradient from the landfill. There are no current concerns with water quality results at this well location related to the performance of landfill cells or leachate collection and transport systems.

As previously reported, MW-301 was damaged prior to April 2013. Following 2013 repairs to the well, groundwater elevations rose approximately 4 feet, and multiple parameters have been observed to increase generally between 2013 and 2019.[17] The groundwater quality at MW-301 has generally stabilized since 2019. There are not statistically significant increasing or decreasing trends for multiple parameters (i.e., four or more) at MW-301 over the past three years or five years.

Chloride concentrations at MW-301 remain somewhat elevated compared to upgradient concentrations at MW-206, which had an annual maximum concentration of 2.5 mg/L in April and July 2024. There are statistically significant increasing trends for chloride at MW-301 over the past three years and five years. Chloride was the only parameter at MW-301 with a new historical maximum value during 2024 (29 mg/L in July 2024 exceeded the previous historical maximum value of 26 mg/L in October 2019).

Specific conductance, chloride, and arsenic are key indicator parameters for comparison to JRL leachate concentrations. While chloride concentrations at MW-301 are somewhat elevated in comparison to upgradient concentrations at MW-206, the specific conductance values and arsenic concentrations at MW-301 remain low. The 2024 specific conductance values at MW-301 ranged from 230 µmhos/cm in April 2024 to 252 µmhos/cm in July 2024, remaining generally consistent with the historical range of values at upgradient monitoring location MW-206. The historical maximum specific conductance value at upgradient monitoring location MW-206 is 323 µmhos/cm (October 2022). Arsenic was not detected above the laboratory reporting limit of 0.005 mg/L during 2024.

[17] SME, 2020. 2019 Annual Water Quality Report, Juniper Ridge Landfill, Prepared for NEWSME Landfill Operations, LLC. April 2020.

There were no parameters analyzed at MW-301 that exceeded MCL, LHA, or DWA standards in 2024.

Piper and Stiff diagrams were plotted using July 2024 data for MW-301 and the leachate sampled at LT-C4LR. The Piper and Stiff diagrams for these locations, which are provided in Appendix G, show a clear distinction from the chemical signature of the leachate from LT-C4LR compared to MW-301. The chemical signature of the July 2024 water quality from MW-301, as shown on the Stiff diagrams, is very similar to the chemical signatures of the upgradient monitoring wells.

<u>Landfill Expansion downgradient locations OW-601B, OW-602A, OW-604A, OW-606A, OW-609B, OW-610A, OW-611A, MW06-01, MW-502, MW-507, MW-508, and P-04-07B</u>: Monitoring locations OW-601B, OW-602A, OW-604A, OW-606A, MW06-01, and MW-502 are located east and hydraulically downgradient of the landfill expansion cells. Monitoring locations OW-609B, OW-610A, OW-611A, MW-507, MW-508, and P-04-07B are located west of and downgradient from the landfill expansion cells.

In general, multiple parameters at many of the landfill expansion monitoring locations have exhibited greater values than at upgradient monitoring well MW-206, including the key indicator parameters specific conductance and chloride. Arsenic concentrations at the subject landfill expansion monitoring locations were below the MCL of 0.01 mg/L during 2024. The annual maximum values of the key indicator parameters for the subject landfill expansion monitoring locations are summarized in Table 8-5.

The greater parameter values observed at the subject landfill expansion monitoring locations during 2024 (e.g., the specific conductance value of 552 µmhos/cm at P-04-07B in July 2024) are likely caused by the ground disturbance associated with the landfill expansion cells that have been constructed to date and the change in redox conditions in the soil and groundwater from cutting off precipitation recharge in those areas. While the specific conductance values at MW06-01 and P-04-07B were new historical maximum values during 2024, each of the other downgradient expansion monitoring wells discussed in this section have specific conductance values during 2024 that were lower than their recent historical maximum values. For example, the following three downgradient expansion monitoring wells had new historical minimum specific conductance values during 2024:

- MW-502 – Specific conductance (138 µmhos/cm in July 2024) was at a new historical minimum value compared to the historical maximum value of 389 µmhos/cm in June 2020;
- OW-609B – Specific conductance (140 µmhos/cm in April 2024) was at a new historical minimum value compared to the historical maximum value of 477 µmhos/cm in June 2021; and
- OW-611A – Specific conductance (187 µmhos/cm in October 2024) was at a new historical minimum value compared to the historical maximum value of 553 µmhos/cm in April 2023.

Chloride concentrations observed at the subject landfill expansion monitoring locations during 2024 have also exhibited greater values than at upgradient monitoring well MW-206. The chloride concentration of 39 mg/L at MW-604A in July 2024 exceeded the previous historical maximum concentration 12 mg/L. Each of the other downgradient expansion monitoring wells discussed in this section have chloride concentrations during 2024 that were lower than their recent historical maximum values. For example, the following two downgradient expansion monitoring wells had new historical minimum specific conductance values during 2024:

- MW-508 – Chloride concentrations (15 mg/L in July 2024 and 14 mg/L in October 2024) were at new historical minimum values compared to the historical maximum value of 29 mg/L in October 2022; and
- P-04-07B – Chloride (57 mg/L in July 2024) was at a new historical minimum value compared to the historical maximum value of 63 mg/L in July 2023.

Monitoring locations OW-601B, OW-602A, OW-604A, OW-606A and MW-502 are located in close proximity to the landfill access road and may also be influenced by winter road salting (e.g., the chloride concentration of 39 mg/L at OW-604A in July 2024).

Parameter concentrations at the landfill expansion downgradient monitoring locations are expected to decrease and stabilize with additional time following the construction of the landfill expansion cells.

The results for the Mann-Kendall analyses for the subject downgradient expansion monitoring locations are summarized as follows:

- There were not multiple parameters (i.e., four or more) with three year or five year statistically significant increasing or decreasing trends at OW-601B, OW-609B, OW-610A, MW-502, MW-507, and P-04-07B;
- There were six parameters (calcium, magnesium, sodium, specific conductance, sulfate, and total dissolved solids) at OW-602A with statistically significant increasing trends over the past five years;
- There were five parameters (calcium, chloride, magnesium, specific conductance, and total dissolved solids) at OW-604A with statistically significant increasing trends over the past five years;
- There were four parameters (bromide, calcium, specific conductance, and total dissolved solids) at OW-606A with statistically significant increasing trends over the past five years;
- There were four parameters (alkalinity, Eh, iron, and nitrate plus nitrite) at OW-611A with statistically significant increasing trends over the past five years;

- There were five parameters (alkalinity, magnesium, specific conductance, sulfate, and total dissolved solids) at MW06-01 with statistically significant increasing trends over the past three years and ten parameters (alkalinity, bicarbonate alkalinity, bromide, calcium, chloride, magnesium, dissolved methane, sodium, specific conductance, and total dissolved solids) over the past five years; and
- There were nine parameters (calcium, chloride, iron, magnesium, nitrate plus nitrite, pH, potassium, sodium, and turbidity) at MW-508 with statistically significant decreasing trends over both the past three years and five years.

The last of these trends discussed, nine parameters with decreasing trends over the past three years and five years, is an example of the anticipated improvement to water quality at expansion monitoring wells influence by construction of the landfill expansion.

There were no MCL, LHA, or DWA exceedances for parameters analyzed at OW-601B, OW-602A, OW-604A, OW-606A, OW-611A, MW06-01, MW-502, MW-507, and MW-508 during 2024. There were no MCL exceedances for parameters analyzed at OW-609B, OW-610A, and P-04-07B. The LHA and DWA exceedances for parameters monitored for at OW-609B, OW-610A, and P-04-07B during 2024 are provided later in this section (see Table 8-7).

Stiff diagrams were plotted using July 2024 data for landfill expansion downgradient monitoring wells OW-601B, OW-602A, OW-604A, OW-606A, OW-609B, OW-610A, OW-611A, MW06-01, MW-502, MW-507, MW-508, and P-04-07B, which are provided in Appendix G. These Stiff diagrams generally show similar chemical characterizations to each other and a clear distinction from the chemical signature of the leachate from LT-C4LR in July 2024.

VOCs at JRL Groundwater Monitoring Well Locations

VOCs were analyzed at MW-401B in April 2024; no VOCs were detected above the laboratory reporting limits.

MCL, LHA, and DWA Exceedances at JRL Groundwater Monitoring Well Locations

Parameters detected at concentrations that were above MCLs, LHAs, or DWAs at groundwater detection monitoring locations in 2024 are identified in Table 8-7.

With the exception of the manganese LHA exceedance in October 2024 at MW-501, each of the MCL, LHA, and DWA exceedances listed in Table 8-7 have occurred at their respective locations in the past.

TABLE 8-7

2024 MCL, LHA, AND DWA EXCEEDANCES AT GROUNDWATER MONITORING LOCATIONS

Location Designation	Sulfate (mg/L) (500 mg/L DWA)	Ammonia (mg/L) (30 mg/L LHA)	Boron (mg/L) (6 mg/L LHA)	Sodium (mg/L) (20 mg/L DWA)	Manganese (mg/L) (0.3 mg/L LHA)	Copper (mg/L) (1.3 mg/L MCL)	Arsenic (mg/L) (0.01 mg/L MCL)
MW-04-09A	–	–	–	28 (April 2024) 28 (July 2024) 30 (October 2024)	–	–	–
MW04-102	–	NS	NS	–	–	NS	0.027 (October 2024)
MW04-109R	–	NS	NS	–	0.39 (April 2024) 5.6 (July 2024) 4.1 (October 2024)	NS	–
MW09-901	–	NS	NS	–	–	NS	0.17 (October 2024) [2]
MW-223A	–	NS	NS	–	–	NS	0.033 (October 2024)
MW12-303R	–	NS	NS	–	0.36 (October 2024)	NS	–
MW-501	–	–	–	–	1.2 (October 2024)	–	–
MW-505	–	–	–	25 (July 2024)	–	–	–
OW-609B	–	–	–	40 (July 2024)	–	–	–
OW-610A	–	–	–	–	1.7 (July 2024)	–	–
P-04-07B	–	–	–	98 (July 2024)	–	–	–

Notes:

1 Nitrate plus nitrite samples for 2024 groundwater monitoring locations were all less than the MCL for nitrate of 10 mg/L. There were three monitoring locations during 2024 where the nitrate plus nitrite concentrations were greater than the MCL for nitrite of 1.0 mg/L and it cannot be verified that nitrite was below its MCL of 1.0 mg/L at those locations at those times. These instances are: 1.2 mg/L at MW-223A in April and October 2024, 1.4 mg/L at MW-223A in July 2024, 2.1 mg/L at MW12-303R in July 2024, and 3.6 mg/L at OW-604A in July 2024.

2 The October 2024 arsenic concentration of 0.17 mg/L at MW09-901 is anomalously high and is believed to be a laboratory error. Further discussion for the arsenic concentration at this location was provided earlier in this section.

NS = not sampled

– = no exceedance

The occurrence of arsenic MCL exceedances in groundwater is largely attributable to reducing conditions associated with decreasing groundwater recharge from site development.

Dissolved Methane

Samples were obtained for dissolved methane analyses at monitoring wells MW-04-09A, MW-04-09B MW06-01, MW-08-01, MW-206, MW-501, MW-502, MW-503, MW-504, MW-505, MW-506, MW-507, MW-508, and P-206A during the April, July, and October 2024 monitoring events. Samples were obtained for dissolved methane analyses at OW-601A, MW-601B, OW-602A, OW-604A, OW-605A, OW-606A, OW-606B, OW-607B, OW-608A, OW-608B, OW-609B, OW-610A, OW-611A, P-04-07A, P-04-07B, P-04-11A, and P-04-11B in July 2024. Samples were also obtained for dissolved methane analyses at monitoring well MW-223B in April and October 2024.

Dissolved methane was not detected above the laboratory reporting limit of 5.2 µg/L during 2024 at monitoring locations MW-04-09B, MW-08-01, MW-206, MW-502, MW-503, MW-504, MW-505, OW-601A, OW-601B, OW-604A, OW-605A, OW-606A, OW-606B, OW-607B, OW-608B, OW-609B, OW-611A, P-04-07A, P-04-07B, P-04-11A, P-04-11B, and P-206A.

Dissolved methane was detected at monitoring locations MW-04-09A, MW-223B, MW-501, MW-507, MW-602A, and OW-608A during 2024, but at relatively low concentrations that ranged from 5.4 µg/L at MW-501 in April 2024 to 140 µg/L at OW-602A in July 2024.

Greater concentrations of dissolved methane were detected at the following locations, exceeding their previous historical maximum concentrations by an order of magnitude:

- Dissolved methane was detected at a concentration of 2,100 µg/L at MW06-01 in April 2024. The dissolved methane concentrations at this location were lower during the July 2024 (340 µg/L) and October 2024 (270 µg/L) monitoring events; and
- Dissolved methane was detected at a concentration of 1,500 µg/L at OW-610A in July 2024.

While these greater concentrations at monitoring wells MW06-01 and OW-610A may indicate an increase in the presence/migration of landfill gas in 2024, it should be noted that these locations are located at lower elevations of the site, are adjacent to wetland areas, and have relatively shallow screen intervals (i.e., less than 30 feet deep). As discussed below in Section 8.4, dissolved methane concentrations in wetlands at JRL pore-water monitoring locations have dissolved methane concentration historically as high as 4,800 µg/L, which are attributed to anaerobic biological processes in the saturated wetland soils. Influence from wetland groundwater at MW06-01 and OW-610A should be considered when evaluating the water quality at these locations. Methane gas was monitored in the headspace of JRL monitoring locations in April, July, and October 2024, including at OW-610A and MW06-01. There was no methane gas detected in the headspace of JRL monitoring locations in 2024. Continued monitoring at these locations during 2025 will be useful for determining whether the greater dissolved methane concentrations at these locations persists.

8.4 Surface Water, Stormwater, and Pore-Water

Surface water at the site was monitored in 2024 at three locations on the southwest side of the landfill along a southwesterly unnamed tributary to Pushaw Stream (SW-1, SW-2, and SW-3) and one location northeast of the Site in a separate, more northerly tributary to Pushaw Stream (SW23-4). Stormwater was monitored at two stormwater detention ponds (SW-DP1 and SW-DP6) during 2024. Additionally, pore-water sampling locations were monitored in 2024 at PWS10-1, PWS10-2, PWS10-3 along the landfill side of the bank of the unnamed tributary to Pushaw Stream and at PWS-4 northeast of the landfill along the landfill side of the bank of an unnamed tributary to Judkins Brook. The surface water, stormwater, and pore-water monitoring locations were each sampled in April, July, and October 2024. Monitoring locations SW23-4 and PWS-4 were also sampled in March and June as part of the baseline monitoring for those locations.

Comparison of Key Indicator Parameters at Surface Water, Stormwater, and Pore-Water Monitoring Locations to JRL Leachate and Summary of Statistically Significant Trend Results

The 2024 annual maximum specific conductance values and chloride and arsenic concentrations for the JRL surface water, stormwater, and pore-water monitoring locations are summarized in Table 8-8. The Mann-Kendall analyses results for statistically significant trends for these parameters are also provided in Table 8-8. The complete results for Mann-Kendall analyses are provided in Appendix F.

TABLE 8-8

2024 ANNUAL MAXIMUM SPECIFIC CONDUCTANCE VALUES AND CHLORIDE AND ARSENIC CONCENTRATIONS AT SURFACE WATER, STORMWATER, AND PORE-WATER MONITORING LOCATIONS

Location Designation	Annual Maximum Specific Conductance (22,146 µmhos/cm in JRL Leachate in October 2024)			Annual Maximum Chloride (5,700 mg/L in JRL Leachate in October 2024)			Annual Maximum Arsenic (0.37 mg/L in JRL Leachate in October 2024)		
	µmhos/cm	Statistically Significant Trend		mg/L	Statistically Significant Trend		mg/L	Statistically Significant Trend	
		3- Year	5- Year		3- Year	5- Year		3- Year	5- Year
SW-1	268	-	-	5.6	Decreasing	Decreasing	0.0053	-	-
SW-2	98	-	-	10	-	-	0.005 U	-	-
SW-3	119	-	-	4.9	Decreasing	Decreasing	0.005 U	-	-
SW23-4	124	-	-	5.3	-	-	0.005 U	-	-
SW-DP1	130	-	-	2.7	-	Decreasing	0.005 U	-	-
SW-DP6	150	Increasing	-	2.1	-	-	0.005 U	-	-
PWS10-1	317	-	-	5.7	-	Decreasing	0.005 U	-	-
PWS10-2	272	Increasing	-	5.6	Decreasing	Decreasing	0.005 U	-	-
PWS10-3	189	-	-	6.8	-	Increasing	0.005 U	-	-
PWS-4	99	Decreasing	Decreasing	4.7	-	-	0.005 U	-	-

Notes:
U = not detected above indicated laboratory reporting limit
– = no trend
I – insufficient data

The 2024 surface water, stormwater, and pore-water monitoring location data are generally characterized by low values of key indicator parameters in comparison to the JRL leachate (i.e., LT-C4LR). This is consistent with historical data at these locations. Arsenic concentrations at the surface water, stormwater, and pore-water monitoring locations during 2024 were not detected above the laboratory reporting limit of 0.005 mg/L with the exception the low April 2024 concentration 0.0053 mg/L at SW-1. The specific conductance values and chloride concentrations at the surface water, stormwater, and pore-water monitoring locations were all at low values and below their respective historical maximum values.

Further description of the JRL surface water, stormwater, and pore-water sampling locations and notable observations from their 2024 water quality data are provided below.

Surface Water Monitoring Locations: Along an unnamed southwesterly tributary to Pushaw Stream, surface water quality at SW-1, SW-2, and SW-3 has been very consistent since sampling began at these locations in the early 1990s. The few surface water quality parameters measured during 2024 that were not within their respective historical ranges are summarized on the 2024 water quality data summary reports provided in Appendix E. Parameter concentrations during the 2024 sampling events at downstream locations SW-1 and SW-3 were generally similar to or marginally greater than those measured at SW-2, which is located upstream from the landfill. Parameters analyzed at SW-1 and SW-3, located downstream from the landfill, remain at relatively low values that do not indicate influence from landfill leachate. The slightly increased values at the downstream location are consistent with changes seen when natural surface water travels downstream from its source.

Surface water quality monitoring at SW23-4, along a northerly tributary to Pushaw Stream, began during 2023 and continued in 2024. Monitoring location SW23-4 was sampled during the April, July, and October 2024. The 2024 data from SW23-4 indicates surface water quality generally similar to the historical water quality from SW-1, SW-2, and SW-3 along the unnamed tributary to Pushaw Stream. Dissolved methane was detected at a very low concentration of 8.5 µg/L at surface monitoring location SW23-4 in July 2024.

The iron concentrations exceeded the MFCCC standard of 1 mg/L at SW-1 in April 2024 (1.2 mg/L) and July 2024 (5.5 mg/L), at SW-2 in July 2024 (2.6 mg/L), at SW-3 in July and October 2024 (1.5 mg/L), and at SW23-4 in July 2024 (1.1 mg/L). MFCCC exceedances for iron have occurred historically at SW-1, SW-2, and SW-3. The iron MFCCC exceedance at SW23-4 was a first-time exceedance; however, monitoring at this location only began in 2023. The copper concentration at SW23-4 exceeded the MFCCC standard of 0.00236 mg/L in July 2024 (0.0055 mg/L), which was also a first-time exceedance at this new monitoring location. There were no other MFCCC exceedances at SW-1, SW-2, SW-3, and SW23-4 for parameters analyzed during 2024.

There were not multiple parameters (i.e., four or more) with statistically significant increasing or decreasing trends at SW-1, SW-2, SW-3, and SW23-4 over the past three years and five years.

Stormwater Monitoring Locations: Samples from SW-DP1 are obtained from a stormwater detention pond at the downstream western edge of the JRL site. Samples from SW-DP6 are obtained from a stormwater detention pond sampling location at the southern end of the site.

The historical range of parameter concentrations at SW-DP1 have generally been low since sampling began at this location in 2004 and have not indicated influences from landfill leachate or landfill operations. There was only one parameter at SW-DP1 that was outside of its historical range during 2024. Bicarbonate alkalinity was detected at a new historical minimum concentration of 6.4 mg/L in April 2024, which was lower than the previous historical minimum concentration of 7.2 mg/L. The annual maximum specific conductance value (130 µmhos/cm in July 2024) and chloride concentration (2.7 mg/L in April 2024) at SW-DP1 were low during 2024. There are not statistically significant increasing or decreasing trends for multiple parameters (i.e., four or more) at SW-DP1 over the past three years and five years.

Stormwater quality monitoring at SW-DP6 began in October 2009. The stormwater quality at SW-DP6 during 2024 is typically characterized by continued low parameter concentrations that do not indicate influences from landfill leachate or landfill operations. During the previous year's evaluation of SW-DP6 (i.e., for 2023 water quality), it was noted that there were several parameters with anomalously greater values. Six of the seven groundwater quality parameters detected at new historical maximum values at SW-DP6 in July 2023 have generally returned to values similar to those before 2023; the 2024 results are summarized as follows:

- Specific conductance – the 2023 historical maximum value of 465 µmhos/cm decreased to an annual maximum value of 150 µmhos/cm in July 2024;
- Calcium – the 2023 historical maximum value of 74 mg/L decreased to an annual maximum value of 20 mg/L in July 2024;
- Magnesium – the 2023 historical maximum value of 8.6 mg/L decreased to an annual maximum value of 5.3 mg/L in July 2024;
- Sodium – the 2023 historical maximum value of 9.4 mg/L decreased to an annual maximum value of 2.4 mg/L in April and July 2024;
- Sulfate – the 2023 historical maximum value of 200 mg/L decreased to an annual maximum value of 30 mg/L in July 2024; and
- Total dissolved solids – the 2023 historical maximum value of 356 mg/L decreased to an annual maximum value of 240 mg/L in July 2024.

The 2023 historical maximum value for phosphorous of 0.16 mg/L at SW-DP6 in 2023 was exceeded in July 2024 with a new historical maximum concentration of 0.26 mg/L.

There were also new historical maximum concentrations at SW-DP6 during 2024 for three other parameters. Iron exceeded the previous historical maximum concentration of 3.05 mg/L at SW-DP6 in July 2024 with a concentration of 16 mg/L. Potassium exceeded the previous historical maximum concentration of 3.4 mg/L at SW-DP6 in July 2024 with a concentration of 4.7 mg/L. Total suspended solids exceeded the previous historical maximum concentration of 54 mg/L at SW-DP6 in July 2024 with a concentration of 130 mg/L.

There were four parameters (calcium, magnesium, specific conductance, and sulfate) with statistically significant increasing trends over the past three years at SW-DP6. There were five parameters (bicarbonate alkalinity, calcium, magnesium, potassium, and total dissolved solids) with statistically significant increasing trends over the past five years at SW-DP6.

Construction of the Stage 1 Closure Cap occurred during the summer of 2023 and may have contributed to increased disturbance of area soils and the consequent changes in parameter values in the stormwater in Detention Pond 6.

The iron concentrations at SW-DP6 of 4.9 mg/L in April 2024 and 16 mg/L in July 2024 exceeded MFCCC standards. There were no other MFCCC exceedances at SW-DP6 for parameters analyzed during 2024. There were no MFCCC exceedances at SW-DP1 for parameters analyzed during 2024.

The key indicator parameter values for SW-DP1 and SW-DP6 remain very low in comparison to JRL leachate (see Table 8-8).

Pore-Water Monitoring Locations: Pore-water sample locations PWS10-1, PWS10-2, and PWS10-3, which are located along the landfill side of the bank of the southwesterly unnamed tributary to Pushaw Stream, have been sampled since 2010. Pore-water sampling location PWS-4, which is northeast of the landfill along the landfill side of the bank of an unnamed tributary to Judkins Brook, has been sampled since 2023. These sampling locations are intended to be representative of groundwater quality as it discharges to the streams. Due to their local hydrologic setting (i.e., shallow fluctuating water table with high natural organic matter associated with the wetland and stream), they are characterized by iron and total organic carbon concentrations that are typically greater than in groundwater from other areas of the site. Groundwater quality has been generally consistent at the PWS10-1, PWS10-2, and PWS10-3 pore-water sampling locations since sampling began at these locations in 2010 and does not indicate influences from landfill leachate or landfill operations. Groundwater quality at pore-water sampling location PWS-4, which began being sampled more recently, also does not indicate influences from landfill leachate or landfill operations.

While visual review of the 2024 and historical pore-water quality data indicates generally stable water quality, there were some parameter concentrations at PWS10-1, PWS10-2, and PWS10-3 that were outside of the range of historical minimum and maximum values for these monitoring locations in 2024. These occurrences are identified on the individual water quality summary sheets contained in Appendix E.

There were not multiple parameters (i.e., four or more) at PWS10-1, PWS10-2, and PWS-4 with statistically significant decreasing or increasing trends over the past three years and five years. Four parameters (chloride, Eh, pH, and potassium) had statistically significant increasing five year trends at PWS10-3.

The key indicator parameter values for PWS10-1, PWS10-2, PWS10-3, and PWS-4 remain very low in comparison to JRL leachate (see Table 8-8).

Pore-water samples from PWS10-1, PWS10-2, PWS10-3, and PWS-4 were analyzed for dissolved methane during the April, July, and October 2024 monitoring events. The dissolved methane concentrations for these pore-water samples in 2024 are provided in Table 8-9.

TABLE 8-9

2024 DISSOLVED METHANE CONCENTRATIONS AT PORE-WATER MONITORING LOCATIONS

Location Designation	April 2024 (µg/L)	July 2024 (µg/L)	October 2024 (µg/L)
PWS10-1	7.6	780	320
PWS10-2	5.2 U	61	390
PWS10-3	21	500	210
PWS-4	25	180	150

Notes:
U = not detected above indicated laboratory reporting limit

The 2024 dissolved methane concentrations are lower than the historical maximum concentrations detected at PWS10-1 (4,600 µg/L in July 2015), PWS10-2 (4,800 µg/L in July 2022), and PWS10-3 (4,000 µg/L in July 2020). The 2024 dissolved methane concentrations at PWS-4 (added to the monitoring program in 2023) were higher than the 2023 dissolved methane concentrations at PWS-4 but were well below the historical maximum concentrations observed at PWS10-1, PWS10-2, and PWS10-3. The historical dissolved methane detections at these locations are consistent with their hydrologic setting in a freshwater wetland and are attributed to anaerobic biological processes in the saturated wetland soils. Studies of freshwater wetlands in the southeastern portion of the United States show wetland pore-water samples with dissolved methane concentrations of more than 20,000 µg/L in the top 25 centimeters of saturated soils.[18] The lower dissolved methane concentrations at JRL wetlands are likely attributed to the cooler climate in the northeastern portion of the United States, which limits anaerobic biological activity. The historical dissolved methane results at the pore-water monitoring locations typically indicate substantially greater concentrations during the summer monitoring event when warmer temperatures facilitate increased anaerobic biological processes in the saturated wetland soils.

While the pore-water sampling locations are grouped with surface water and stormwater monitoring locations, the samples are obtained from soil and the sampling results from these locations are compared to MCL, LHA, and DWA standards for groundwater. The exceedances for parameters analyzed during 2024 at the pore-water monitoring locations are summarized as follows:

- Manganese was above its LHA of 0.3 mg/L in 2024 at PWS10-1 (0.31 mg/L in October 2024);

[18] Schipper LA, Reddy KR (1994) Methane production and emissions from four reclaimed and pristine wetlands of southeastern U.S. *Soil Science Society of America Journal* 58, 1270-1275.

- Manganese was above its LHA of 0.3 mg/L in 2024 at PWS10-2 (0.35 mg/L in October 2024);
- Manganese was above its LHA of 0.3 mg/L in 2024 at PWS10-3 (2.0 mg/L in July 2024 and 0.49 in October 2024); and
- Manganese was above its LHA of 0.3 mg/L in 2024 at PWS-4 (0.49 mg/L in July 2024 and 0.88 mg/L in October 2024).

Manganese has exceeded its LHA at each of these locations prior to 2024.

8.5 Leak Detection System

The approved permitted landfill expansion liner system for Cell 11 through Cell 17 includes leak detection layers under the primary liner systems. Detection monitoring began in 2021 at landfill leak detection sampling locations LF-LD-11 and LF-LD-12 for the Cell 11 and Cell 12 leak detection systems, respectively. Detection monitoring began in 2022 at landfill leak detection sampling location LF-LD-13 for the Cell 13 leak detection system. Detection monitoring began in 2023 at landfill leak detection sampling location LF-LD-14 for the Cell 14 leak detection system. Detection monitoring began in 2024 at landfill leak detection sampling location LF-LD-15 for the Cell 15 leak detection system. The LF-LD-11, LF-LD-12, LF-LD-13, LF-LD-14 and LF-LD-15 monitoring locations are shown on Figure 3-1. The samples are collected from the leak detection sample sump which is accessible from the pump stations. Leak detection monitoring was conducted during the July 2024 monitoring event for parameters in the detection monitoring program. A summary of the 2024 leak detection annual maximum values for key indicator parameters for comparison to the JRL leachate is provided in Table 8-10.

TABLE 8-10

2024 ANNUAL MAXIMUM SPECIFIC CONDUCTANCE VALUES AND CHLORIDE AND ARSENIC CONCENTRATIONS AT LEAK DETECTION MONITORING LOCATIONS

Leak Detection Monitoring Location	Annual Maximum Specific Conductance (22,146 µmhos/cm in JRL Leachate in October 2024)	Annual Maximum Chloride (5,700 mg/L in JRL Leachate in October 2024)	Annual Maximum Arsenic (0.37 mg/L in JRL Leachate in October 2024)
LF-LD-11	1,400 (February 2024)	1.0 U (July 2024)	0.005 U (July 2024)
LF-LD-12	1,318 (February 2024)	37 (July 2024)	0.005 U (July 2024)
LF-LD-13	690 (February 2024)	12 (July 2024)	0.005 U (July 2024)
LF-LD-14	1,009 (February 2024)	1.1 (July 2024)	0.005 U (July 2024)
LF-LD-15	981 (October 2024)	3.6 (October 2024)	0.005 U (July and October 2024)

Notes:
U – not detected above the indicated laboratory reporting limit

Based on the very low chloride and arsenic concentrations at LF-LD-11, LF-LD-13, LF-LD-14, and LF-LD-15 during 2024, the liquid sampled from those locations does not indicate the presence of leachate in the leak detection systems. The specific conductance at LF-LD-11, LF-LD-12, LF-LD-13, LF-LD-14, and LF-LD-15 had annual maximum values that are greater than those typical at upgradient monitoring locations. This is likely the result of the recent construction of Cell 11, Cell 12, Cell 13, Cell 14, and Cell 15.

The chloride concentration at LF-LD-12 of 37 mg/L in July 2024 was greater than the previous historical maximum value of 2.2mg/L. As discussed in Section 8.1, the new historical maximum chloride concentration at LF-LD-12 in 2024 is paired with a new historical maximum bromide concentration of 0.57 mg/L in July 2024 (previously not detected above the laboratory reporting limit of 0.1 mg/L). The moderate increase in the chloride concentration at LF-LD-12 during 2024 is still very low compared to the annual maximum chloride concentration of 5,700 mg/L in the leachate during 2024. The historical range of chloride is 2,500 mg/L to 24,300 mg/L, which indicates that the water sampled from LF-LF-12 in July 2024 with a concentration of 37 mg/L chloride is not leachate. The 2025 monitoring at LF-LD-12 will be useful for determining whether the increase in chloride and bromide concentrations persists at this location.

Samples from the LF-LD-11, LF-LD-12, LF-LD-13, LF-LD-14 and LF-LD-15 were analyzed for dissolved methane during the July 2024 monitoring event. LF-LD-15 was also analyzed for dissolved methane during the October 2024 monitoring event. Dissolved methane was not detected at or above the laboratory reporting limit of 5.2 µg/L at LF-LD-11. Dissolved methane was detected at concentrations of 270 µg/L at LF-LD-12, which is consistent with the historical dissolved methane detections at that location. Dissolved methane was detected at concentrations of 300 µg/L at LF-LD-13 and 600 µg/L at LF-LD-14 in July 2024, which are higher than dissolved methane concentrations at those locations in previous years. The dissolved methane concentration at LF-LD-15 was 570 µg/L in July 2024 and 1,400 µg/L in October 2024.

2024 is the first year that LF-LD-15 was sampled for detection monitoring parameters following the construction of Cell 15 in 2023.

9.0 WATER QUALITY GAS MONITORING

During the spring, summer, and fall monitoring events in 2024, methane gas, hydrogen sulfide, and oxygen were measured during the collection of water quality samples at the site monitoring well standpipes, underdrain outfalls, leachate collection system, Detention Pond 1A leak detection system using a hand-held gas meter. All methane and hydrogen sulfide monitoring results were below the meter detection limit. Historical and 2024 gas monitoring results for the site are included in Appendix H.

Hydrogen sulfide is monitored automatically near the JRL site property boundaries in four locations. The data is logged every 15 minutes and is available from NEWSME upon request.

10.0 SUMMARY AND RECOMMENDATIONS

10.1 Summary

Water quality samples were obtained in April, July, and October 2024 at the JRL in accordance with the current site EMP. The 2024 water quality data for the JRL is consistent with the historical data for the site and with the setting of monitoring locations among the construction and operational activities of the landfill. Site groundwater and surface water quality data do not show adverse effects from the performance of the landfill cells or leachate collection and transport systems. The evaluation of site water quality, which incorporates the 2024 water quality data, identifies trends at multiple locations and for a number of parameters, both upgradient and downgradient from the landfill. Historical groundwater quality data through 2024 indicate that these trends are largely attributable to a reduction in recharge due to the landfill placement in the landscape and subsequent changes in redox conditions, as well as changes due to the construction of the landfill (e.g., from removal of vegetation, disturbance of native soils, and the cutoff of precipitation in the landfill area), and do not indicate any significant landfill related impacts to water quality from malfunction of the landfill liners. The JRL site-wide water quality are summarized below.

Leachate Monitoring Location

As discussed in Section 8.1, leachate from monitoring location LT-C4LR during 2024 and historically since July 2013 is generally characterized by high parameter values. Generally, at a given water quality monitoring location, if landfill leachate were present, there would be a notable, significant increase in specific conductance values and chloride and arsenic concentrations (in conjunction with changes in other parameter concentrations) due to their presence at high concentrations in the JRL leachate. In 2024, the annual maximum values in JRL leachate (i.e., monitoring location LT-C4LR) are a specific conductance value of 22,146 µmhos/cm, 5,700 mg/L of chloride, and 0.37 mg/L of arsenic.

Underdrain Monitoring Locations

As discussed in Section 8.2, there was no flow at LF-UD-1, LF-UD-2, LF-UD-3A,B, LF-UD-4, LF-UD-6, LF-UD-7, LF-UD-8, LF-UD-9, LF-UD-10, LF-UD-12+13+14, and LP-UD-1 during any of the three 2024 detection monitoring events; thus, no samples were obtained at these locations during 2024. These occurrences of no flow at these underdrain monitoring locations are generally consistent with previously observed patterns and is likely associated with the lowering of the groundwater table from the construction of the landfill expansion cells (see Section 2.0).

Where there was flow during 2024 from underdrain monitoring locations (LF-UD-5and6 and LP-UD-2), the underdrain monitoring data do not show adverse effects from the performance of the landfill cells or leachate collection and transport systems.

VOCs were analyzed at all sampled underdrain locations (both landfill and Detention Pond 1A underdrains) in April 2024; no VOCs were detected above laboratory reporting limits.

Groundwater Monitoring Locations

As discussed in Section 8.3, SME has identified 32 of the 50 site-wide groundwater monitoring locations with water quality that: (1) do not indicate influence from landfill leachate; and (2) show limited influence from landfill construction operations (see Table 8-5). The 2024 annual maximum specific conductance values at these wells range from 62 µmhos/cm to 397 µmhos/cm. The 2024 annual maximum chloride concentrations at these monitoring locations were low and ranged from 1.3 mg/L to 19 mg/L. Many of these wells also generally exhibit limited to no statistically significant increasing trends. Two monitoring wells OW-603B and MW-506 were not sampled in 2024.

More pronounced water quality changes have been observed at the remaining 16 site groundwater monitoring locations (see Table 8-5), which include wells both upgradient and downgradient from the landfill. These changes are evidenced at some monitoring locations by the statistically significant trends for multiple parameters. These trends are largely attributable to changes in redox conditions, which occur as expected around the landfill due to the placement of the landfill in the landscape and from construction activities (e.g., from removal of vegetation, disturbance of native soils, and the cutoff of precipitation in the landfill area), and do not indicate landfill related impacts to water quality from malfunction of the landfill liners. This conclusion is supported by the current values and trends of key indicator parameters at the landfill underdrain monitoring locations and leak detection monitoring locations.

Stiff and Piper diagrams were plotted using July 2024 data from the landfill leachate and the 19 groundwater monitoring wells discussed in this report as having more pronounced water quality changes (see Appendix G). These diagrams generally show similar chemical characterizations among the groundwater monitoring wells in July 2024 and a clear distinction from the chemical signature of the leachate from LT-C4LR in July 2024 (see Appendix G). We do not interpret any of the recent water quality data or noted trends at any of the downgradient monitoring wells to be related to the performance of landfill cells or leachate collection and transport systems. Some parameter concentrations at some monitoring locations downgradient of the landfill expansion show effects from the recent construction activities that are expected to decrease and stabilize with additional time following the construction of the landfill expansion cells.

Surface Water, Stormwater, and Pore-Water Monitoring Locations

As discussed in Section 8.4, the 2024 surface water, stormwater, and pore-water monitoring location data are generally characterized by very low values of key indicator parameters by comparison to the JRL leachate (i.e., LT-C4LR). This is generally consistent with historical data at these locations.

Dissolved Methane Monitoring

Dissolved methane monitoring at groundwater monitoring wells, pore-water samples, leak detection, and surface water monitoring locations are discussed in Sections 8.3, 8,4, and 8.5. Of the 31 groundwater monitoring wells sampled for dissolved methane in 2024, the parameter was not detected above the laboratory reporting limit of 5.2 µg/L at 23 locations. Dissolved methane was detected at low concentrations relative to landfill gas at six locations; methane detections ranged from 5.4 to 140 µg/L at MW-04-09A, MW-223B, MW-501, MW-507, MW-602A, and OW-608A during 2024.

Greater concentrations of dissolved methane were detected at the following locations:

- Dissolved methane was detected at a concentration of 2,100 µg/L at MW06-01 in April 2024. The dissolved methane concentrations at this location were lower during the July 2024 (340 µg/L) and October 2024 (270 µg/L) monitoring events; and
- Dissolved methane was detected at a concentration of 1,500 µg/L at OW-610A in July 2024.

These 2024 maximum detected methane concentrations exceeded the previous maximum at each location by an order of magnitude. While these greater concentrations at monitoring wells MW06-01 and OW-610A may indicate an increase in the presence/migration of landfill gas in 2024, it should be noted that these locations are located at lower elevations of the site, are adjacent to wetland areas, and have relatively shallow screen intervals (i.e., less than 30 feet deep). As discussed in Section 8.4, dissolved methane concentrations in wetlands at JRL pore-water monitoring locations have dissolved methane concentration historically as high as 4,800 µg/L, which are attributed to anaerobic biological processes in the saturated wetland soils. Influence from wetland groundwater at MW06-01 and OW-610A should be considered when evaluating the water quality at these locations. Methane gas was monitored in the headspace of JRL monitoring locations in April, July, and October 2024, including at MW06-01 and OW-610A. There was no methane gas detected in the headspace of JRL monitoring locations in 2024. Continued monitoring at these locations during 2025 will be useful for determining whether the greater dissolved methane concentrations at these locations persists.

Dissolved methane was detected during 2024 in four leak detection monitoring locations at concentrations ranging from 270 µg/L at LF-UD-12 in July 2024 to 1,400 µg/L at LF-UD-15 in October 2024. Dissolved methane was not detected above the laboratory reporting limit of 5.2 µg/L at LF-LD-11 during 2024.

Dissolved methane was detected at a very low concentration of 8.5 µg/L at surface monitoring location SW23-4 in July 2024.

The dissolved methane detections in 2024 pore-water monitoring are consistent with their hydrologic setting in a freshwater wetland and are attributed to anaerobic biological processes in the saturated wetland soils, including higher concentrations during the summer monitoring event when warmer temperatures facilitate increased anaerobic biological processes in the saturated wetland soils.

Leak Detection Monitoring Locations

Landfill leak detection locations LF-LD-11, LF-LD-12, LF-LD-13, LF-LD-14, and LF-LD-15 were monitored in 2024 as discussed in Section 8.5. There were no arsenic detections during 2024 at any of the leak detection monitoring locations. Sampling results show very low chloride concentrations during 2024 at LF-LD-11, LF-LD-13, LF-LD-14, and LF-LD-15. LF-LD-12 showed a moderate increase in chloride, 37 mg/L in July 2024 (greater than the previous historical maximum value of 2.2mg/L, which is still very low compared to the annual maximum chloride concentration of 5,700 mg/L in the leachate during 2024. The historical range of chloride in leachate is 2,500 mg/L to 24,300 mg/L, which indicates that the water sampled from LF-LD-12 in July 2024 with a concentration of 37 mg/L chloride is not leachate. The 2025 monitoring at LF-LD-12 will be useful for determining whether the increase in chloride and bromide concentrations persists at this location.

10.2 Closure and Recommendations

- SME recommends that on-site snow removal and winter roadway maintenance practices minimize stockpiling of snow around monitoring locations proximate to roadways.
- SME recommends continuing with the current site monitoring program in 2025.

APPENDIX A

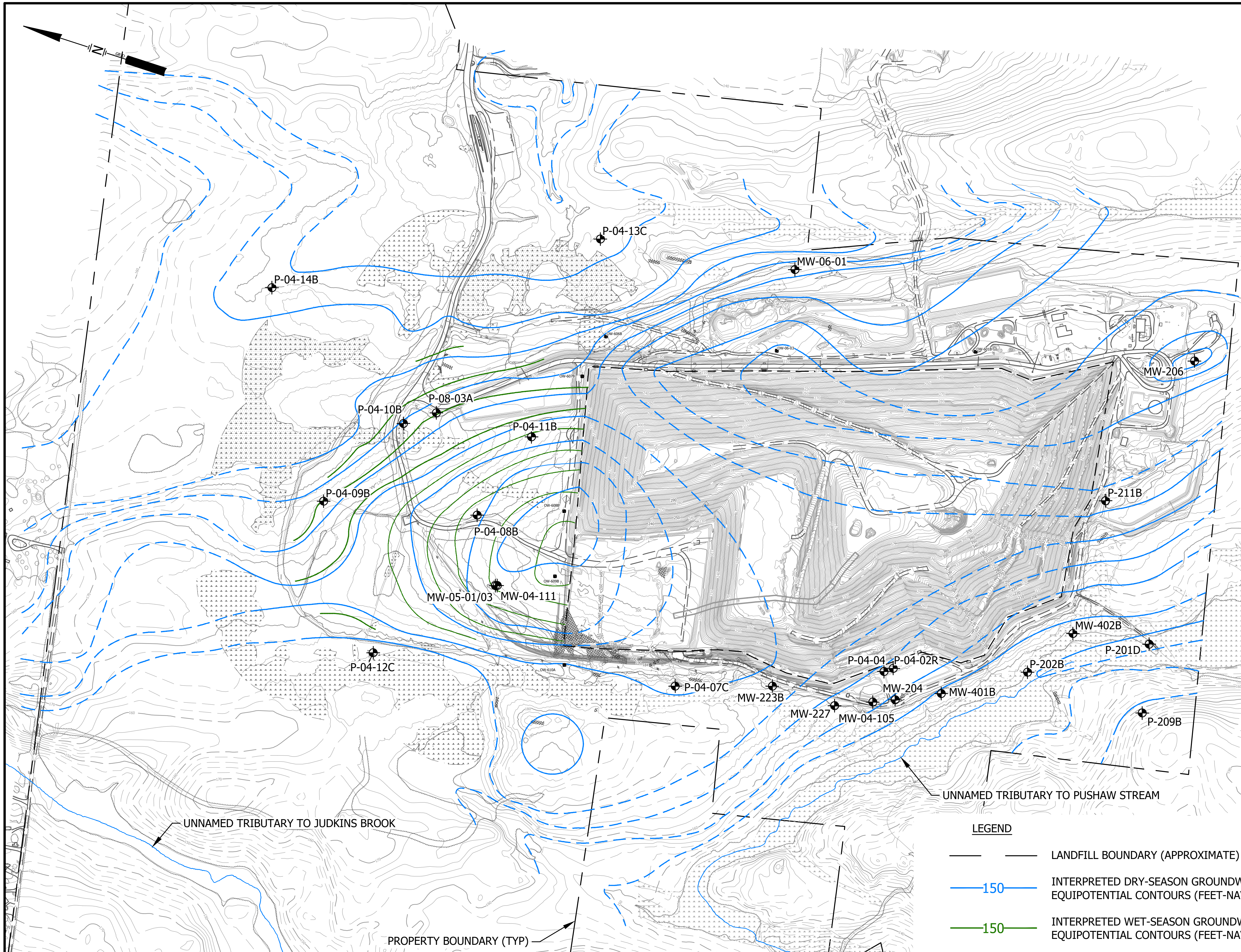
RESPONSES TO MEDEP COMMENTS REGARDING THE PREVIOUS ANNUAL WATER QUALITY REVIEW (NONE RECEIVED)

SME
SEVEE & MAHER
ENGINEERS

APPENDIX B

INTERPRETED SHALLOW GROUNDWATER PHREATIC SURFACE AND UPPER BEDROCK POTENTIOMETRIC SURFACE CONTOUR MAPS AND 202п QUANTITATIVE ANALYSIS OF MEASURED CHANGES IN GROUNDWATER ELEVATIONS AT MONITORING LOCATIONS

SME
SEVEE & MAHER
ENGINEERS



WELL IDENTIFICATION	GROUNDWATER LEVEL ELEVATION (FEET - NAVD88)	
	3/14/2024	10/28/2024
MW-04-105	-	156.86
MW-04-111	-	184.76
MW-05-01	191.02	-
MW-05-03	-	184.62
MW-06-01	-	163.82
MW-204	-	152.98
MW-206	-	193.87
MW-223B	-	166.77
MW-227	-	158.55
MW-401B	-	149.55
MW-402B	-	148.48
OW-06-03	-	180.53
OW-601B	-	176.25
OW-606B	-	161.78
OW-607B	162.72	160.77
OW-608B	194.55	189.97
OW-609B	197.09	184.14
OW-610A	174.51	169.84
P-04-02R	-	157.31
P-04-04	-	158.20
P-04-07C	172.91	171.41
P-04-08B	187.29	178.20
P-04-09B	165.45	162.21
P-04-10B	-	161.19
P-04-11B	175.01	<174.33
P-04-12C	165.64	163.29
P-04-13C	-	<142.78
P-04-14B	-	146.73
P-08-03B	-	<163.82
P-201D	-	144.20
P-202B	-	146.70
P-209B	-	155.81
P-211B	-	172.76

NOTES:
1. BASE MAP PREPARED BY AERIAL SURVEY & PHOTO INC, NORRIDGEWOCK, MAINE. PHOTO DATE 5/21/2024.
2. WATER LEVEL ELEVATIONS AND INTERPRETED CONTOURS REPRESENT CONDITIONS RECORDED USING MANUAL WATER LEVEL MEASUREMENTS ON THE RESPECTIVE DATES SHOWN.
3. PIEZOMETERS P-209C, P-04-11B, P-04-13C, AND P-08-03B WERE DRY ON OCTOBER 28, 2024. PIEZOMETERS P-209B AND P-04-14B ARENEAR SURFACE BEDROCK WELLS.

LEGEND

LANDFILL BOUNDARY (APPROXIMATE)

150 INTERPRETED DRY-SEASON GROUNDWATER LEVEL EQUIPOTENTIAL CONTOURS (FEET-NAVD88)

150 INTERPRETED WET-SEASON GROUNDWATER LEVEL EQUIPOTENTIAL CONTOURS (FEET-NAVD88)

MW-401B EXISTING GROUNDWATER MONITORING WELLS AND PIEZOMETERS USED FOR INTERPRETATION

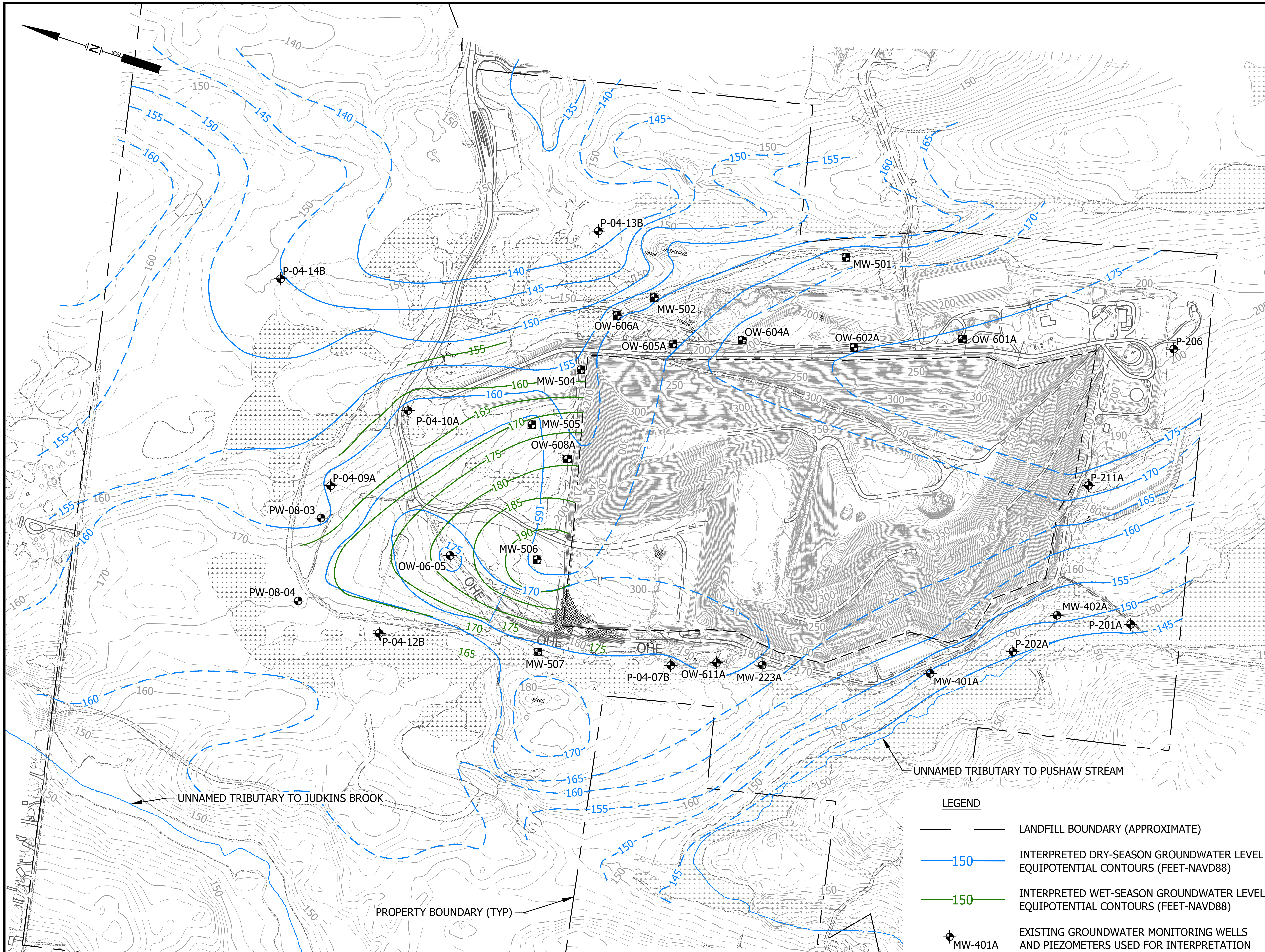
300 0 600 FEET

APPENDIX B
FIGURE 1
INTERPRETED SOIL GROUNDWATER ELEVATION MAP
JUNIPER RIDGE LANDFILL EXPANSION
OLD TOWN, MAINE

SME
SEVEE & MAHER ENGINEERS

DWG: GW LMN: GW-OB-AR CTB: SME-STD-HALF.CTB JOB#: 240102.05 REV: 4/21/2025

\\Nserver\cfs\Casella\OldTown\Landfill\Expansion\Phase II Expansion\Acad\Figures\GW.dwg, AR-FIG 1, 4/21/2025 1:54:39 PM, bwb



WELL IDENTIFICATION	GROUNDWATER LEVEL ELEVATION (FEET - NAVD88)	
	3/14/2024	10/28/2024
MW-223A	-	169.80
MW-401A	-	149.61
MW-402A	-	152.20
MW-501	-	167.77
MW-502	-	159.75
MW-504	156.76	155.96
MW-505	172.70	166.21
MW-506	194.88	164.98
MW-507	-	167.20
OW-06-05	-	175.95
OW-06-06	182.5	-
OW-601A	-	176.54
OW-602A	-	173.70
OW-604A	-	172.98
OW-605A	-	164.54
OW-606A	>159.62	159.14
OW-608A	161.91	160.64
OW-611A	-	171.28
P-04-07B	174.6	169.62
P-04-09A	-	162.22
P-04-10A	-	161.26
P-04-12B	165.69	163.67
P-04-13B	-	137.75
P-04-14B	-	146.73
P-201A	-	146.97
P-202A	-	147.28
P-206A	-	177.97
P-211A	-	172.67
PW-08-03	163.87	158.63
PW-08-04	168.0	162.60

NOTES:

1. BASE MAP PREPARED BY AERIAL SURVEY & PHOTO INC, NORRIDGEWOCK, MAINE. PHOTO DATE 5/21/2024.
2. WATER LEVEL ELEVATIONS AND INTERPRETED CONTOURS REPRESENT CONDITIONS RECORDED USING MANUAL WATER LEVEL MEASUREMENTS ON THE RESPECTIVE DATES SHOWN.

300 0 600 FEET

LEGEND

LANDFILL BOUNDARY (APPROXIMATE)

150 INTERPRETED DRY-SEASON GROUNDWATER LEVEL EQUIPOTENTIAL CONTOURS (FEET-NAVD88)

150 INTERPRETED WET-SEASON GROUNDWATER LEVEL EQUIPOTENTIAL CONTOURS (FEET-NAVD88)

MW-401A EXISTING GROUNDWATER MONITORING WELLS AND PIEZOMETERS USED FOR INTERPRETATION

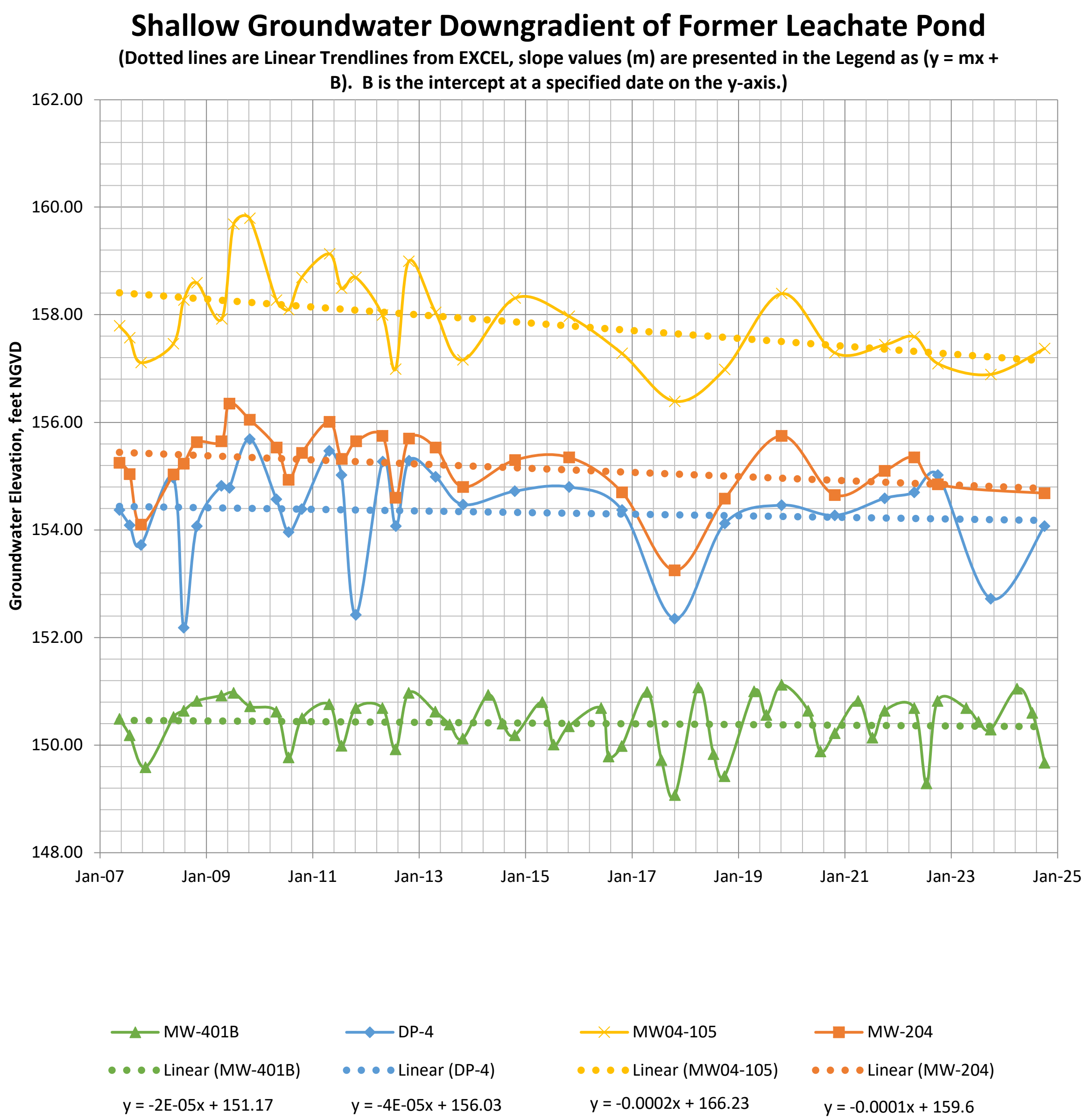
APPENDIX B
FIGURE 2
INTERPRETED UPPER BEDROCK GROUNDWATER ELEVATION MAP
JUNIPER RIDGE LANDFILL EXPANSION
OLD TOWN, MAINE

SME
SEVEE & MAHER ENGINEERS

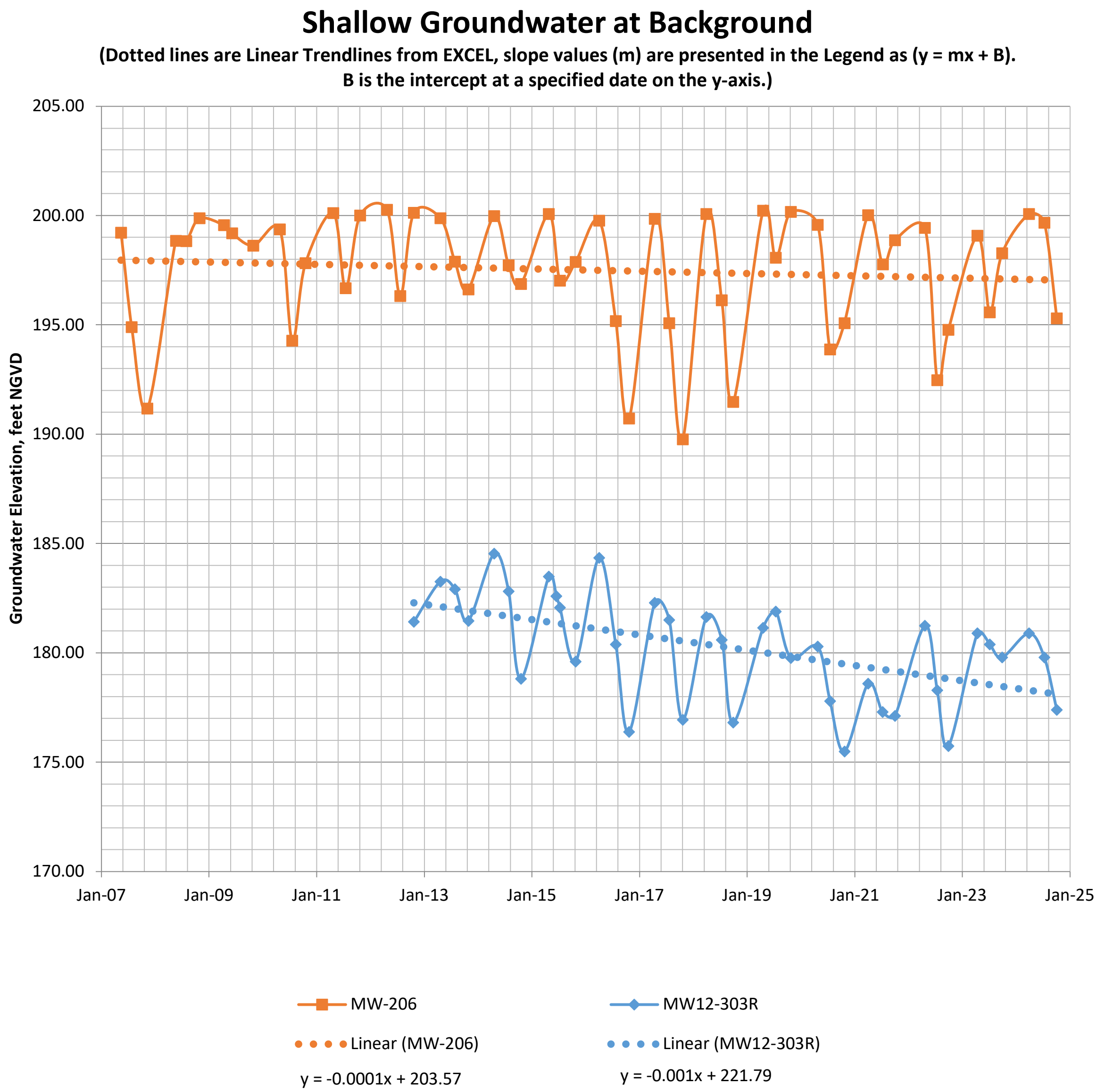
DWG: GW LMN: GW-BR-AR CTB: SME-STD-HALF.CTB JOB#: 240102.05 REV: 4/21/2025

\\tserver\cfs\Casella\OldTown\Landfill\Expansion\Phase II Expansion\Acad\Figures\GW.dwg, AR-FIG 2, 4/21/2025 1:55:13 PM, bwb

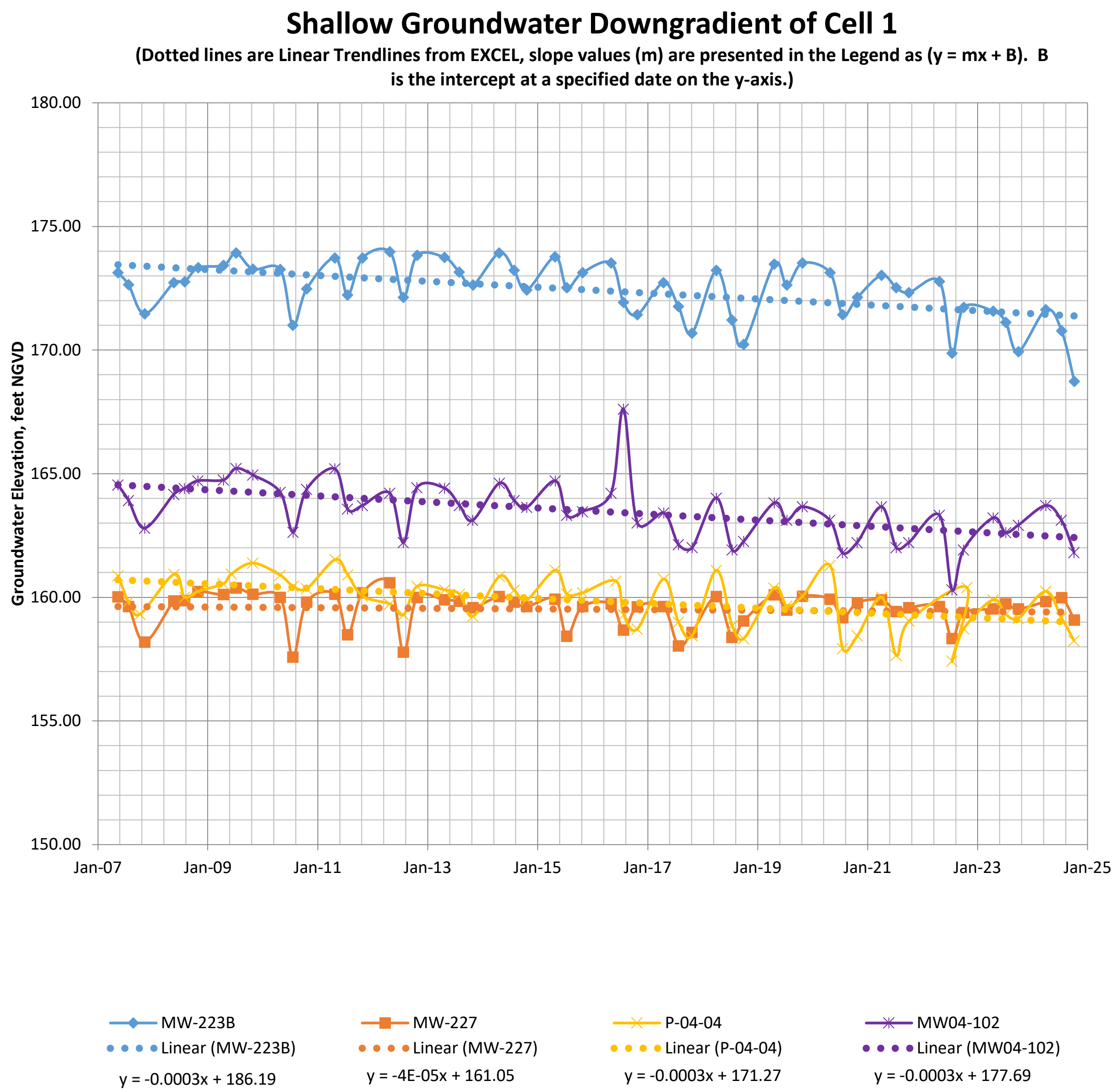
Quantitative Analysis of Groundwater at JRL



Quantitative Analysis of Groundwater at JRL



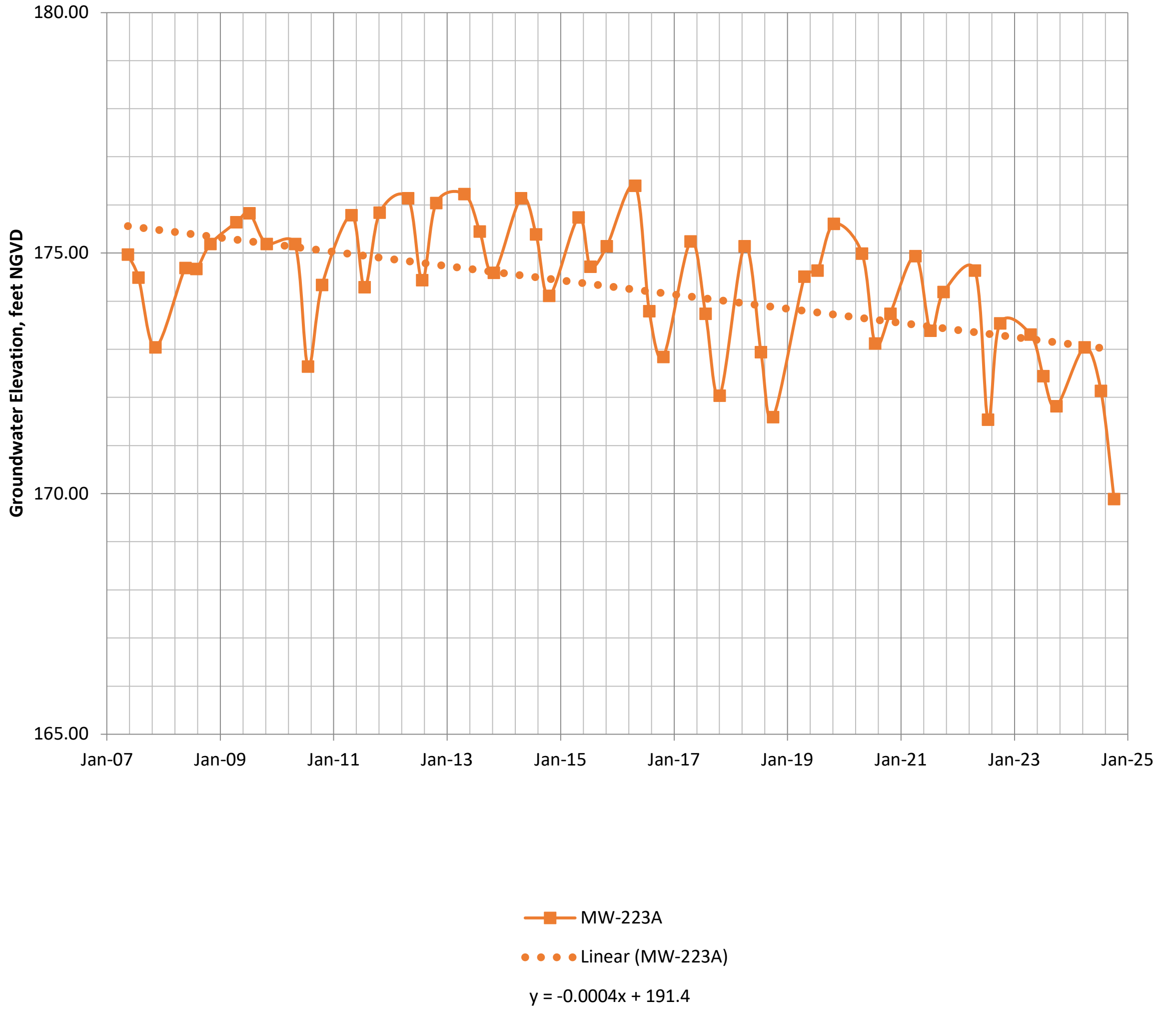
Quantitative Analysis of Groundwater at JRL



Quantitative Analysis of Groundwater at JRL

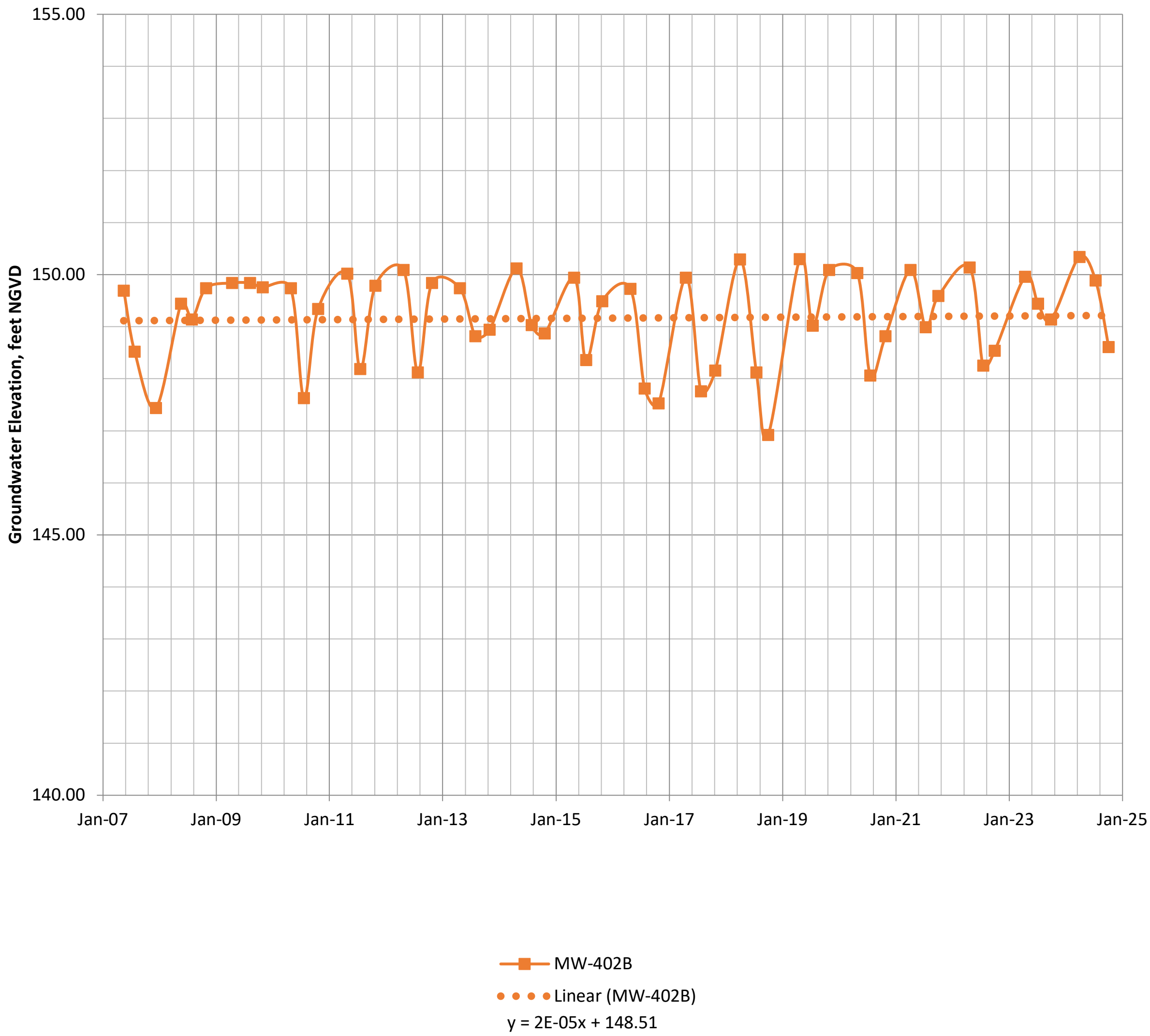
Deep Groundwater West of Cell 1

(Dotted lines are Linear Trendlines from EXCEL, slope values (m) are presented in the Legend as (y = mx + B). B is the intercept at a specified date on the y-axis.)

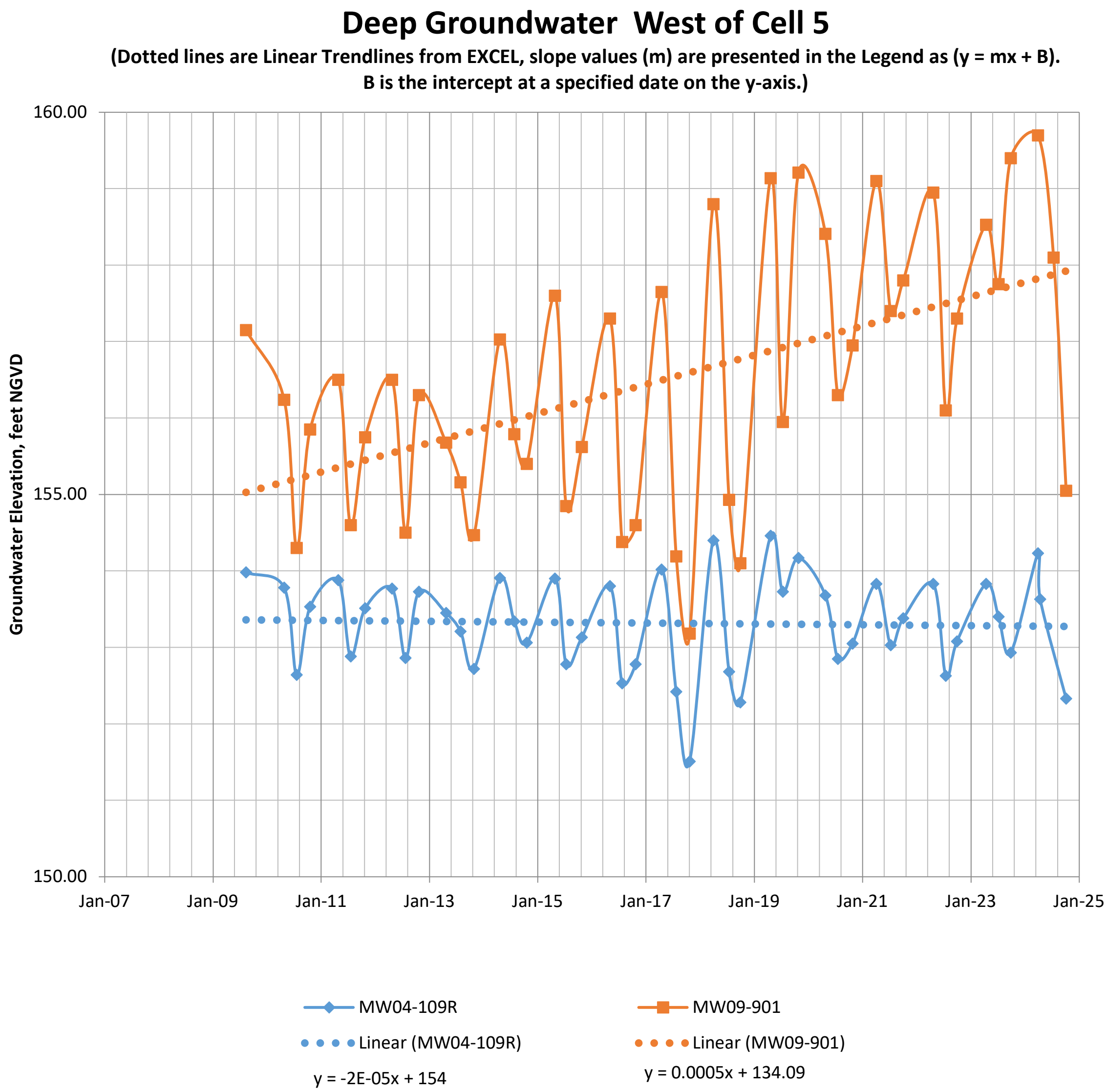


Shallow Groundwater Downgradient of Cell 5/6

(Dotted lines are Linear Trendlines from EXCEL, slope values (m) are presented in the Legend as (y = mx + B). B is the intercept at a specified date on the y-axis.)



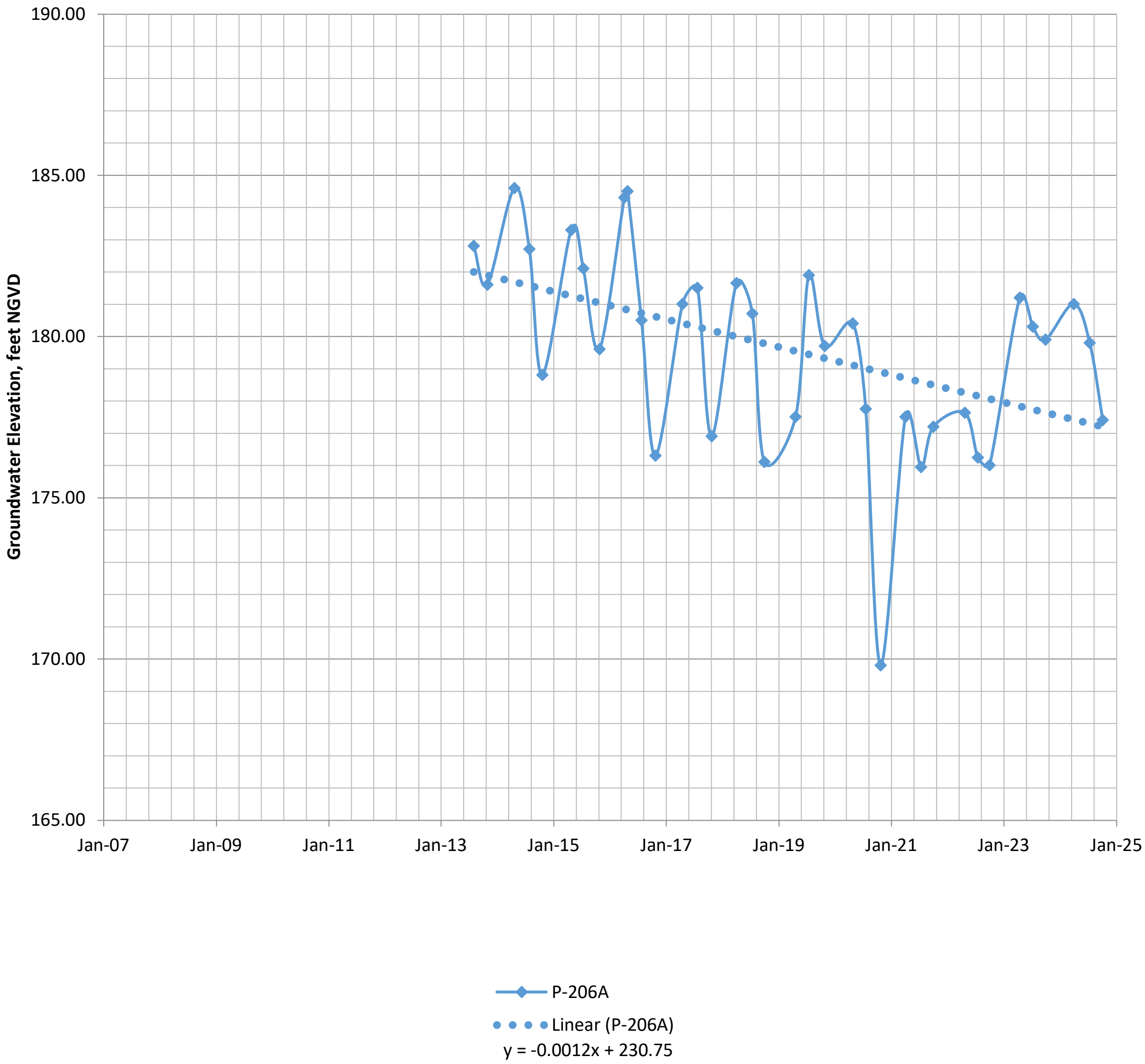
Quantitative Analysis of Groundwater at JRL



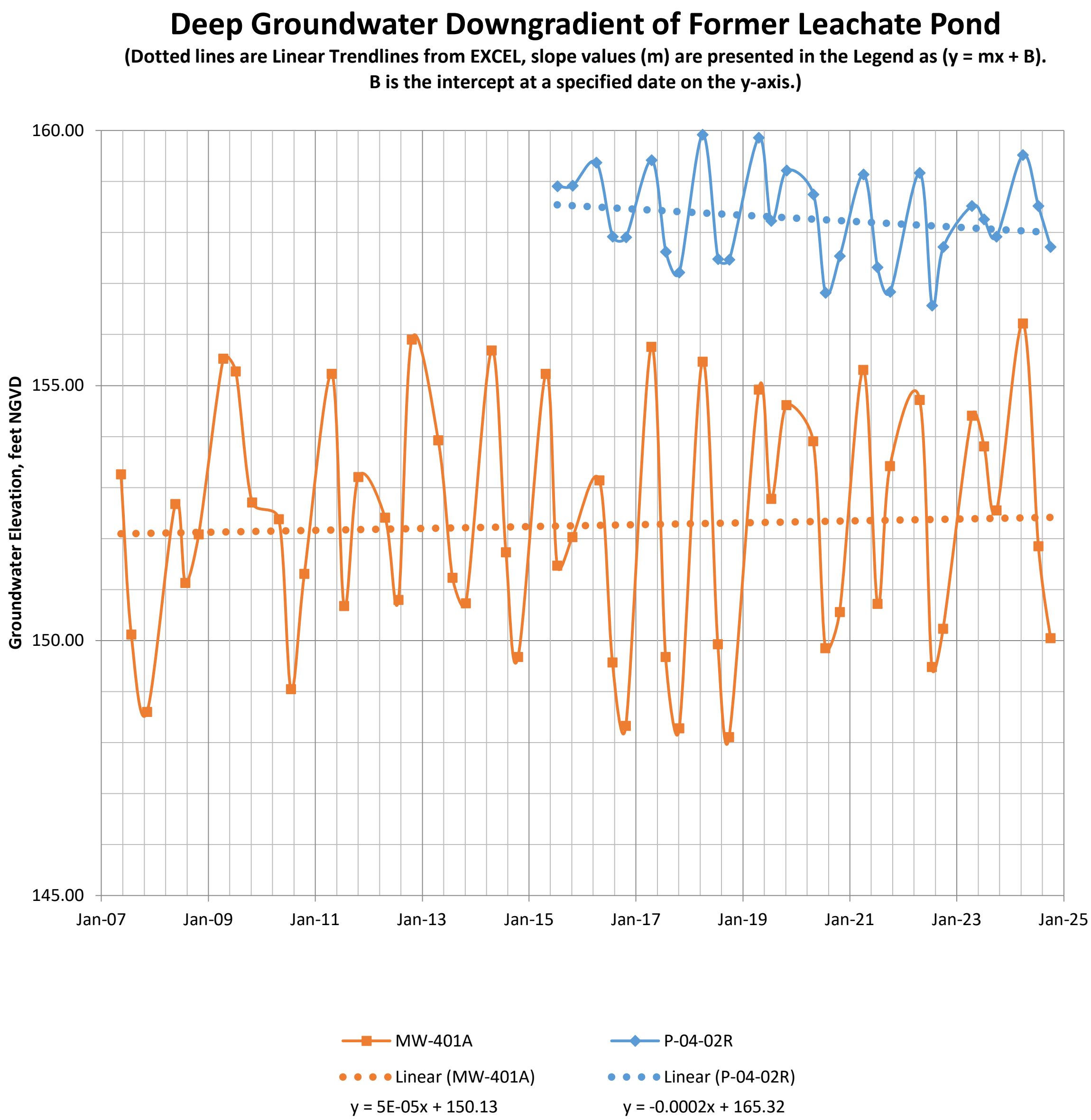
Quantitative Analysis of Groundwater at JRL

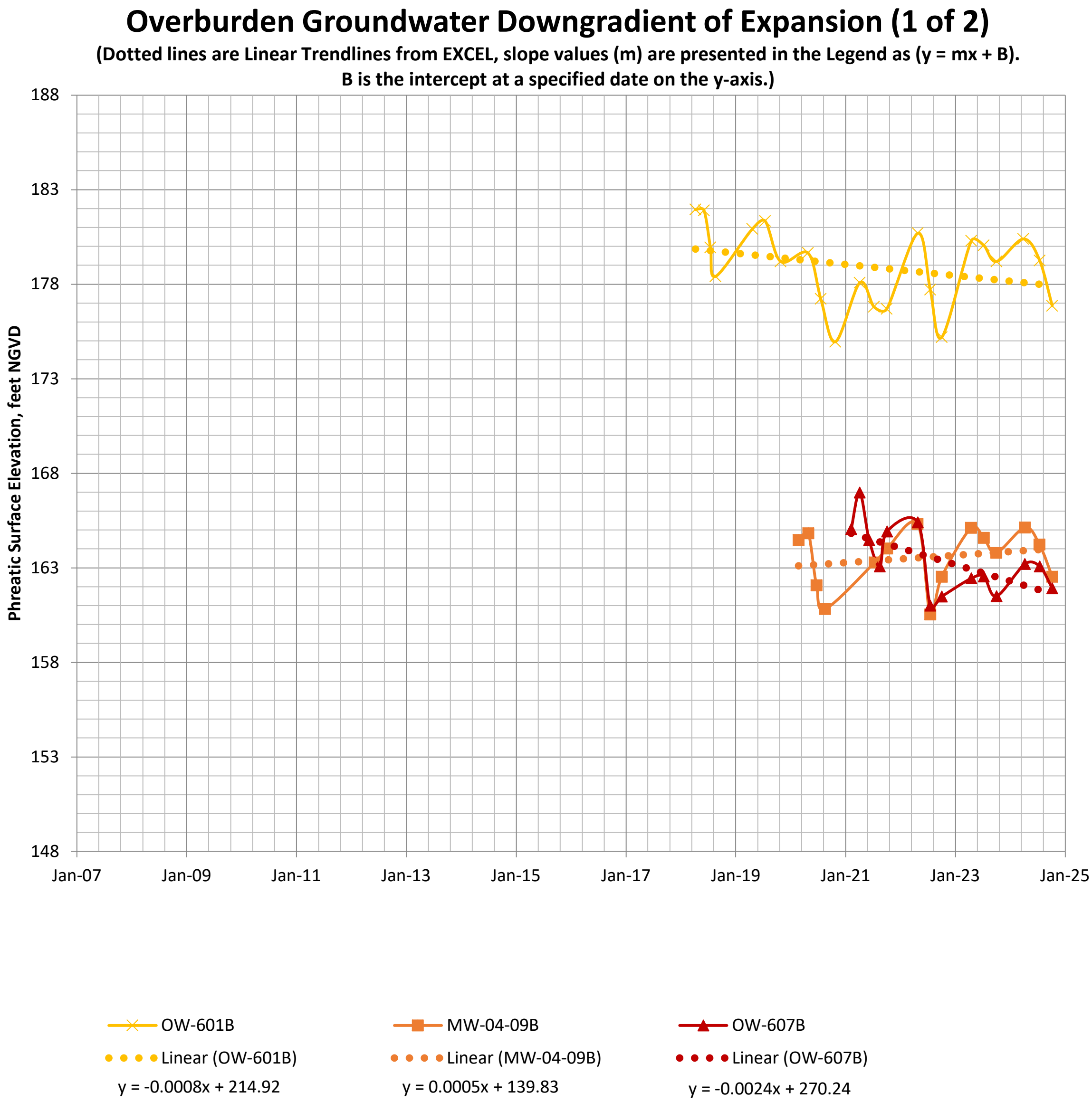
Deep Groundwater at Background

(Dotted lines are Linear Trendlines from EXCEL, slope values (m) are presented in the Legend as (y = mx + B). B is the intercept at a specified date on the y-axis.)



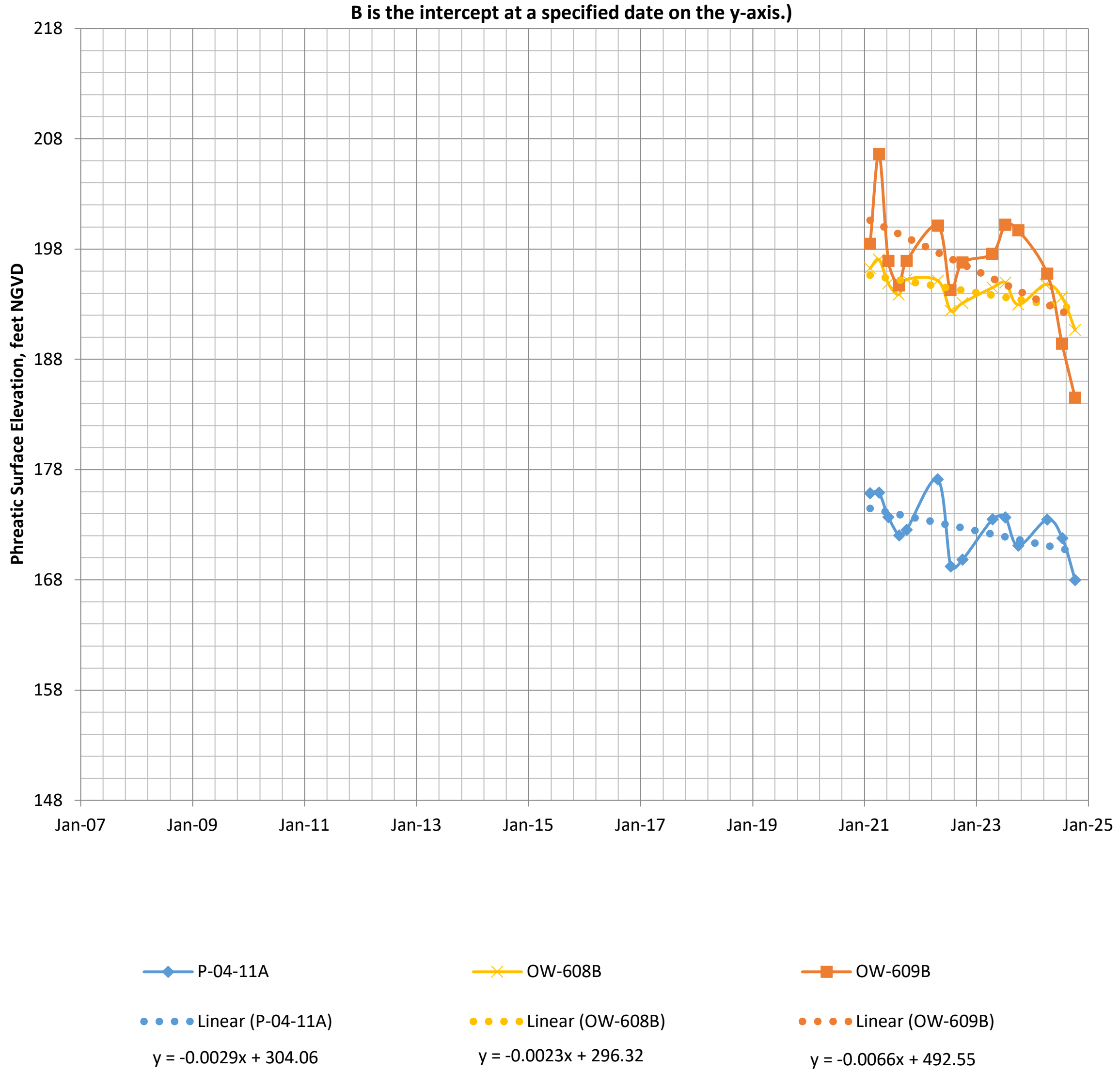
Quantitative Analysis of Groundwater at JRL

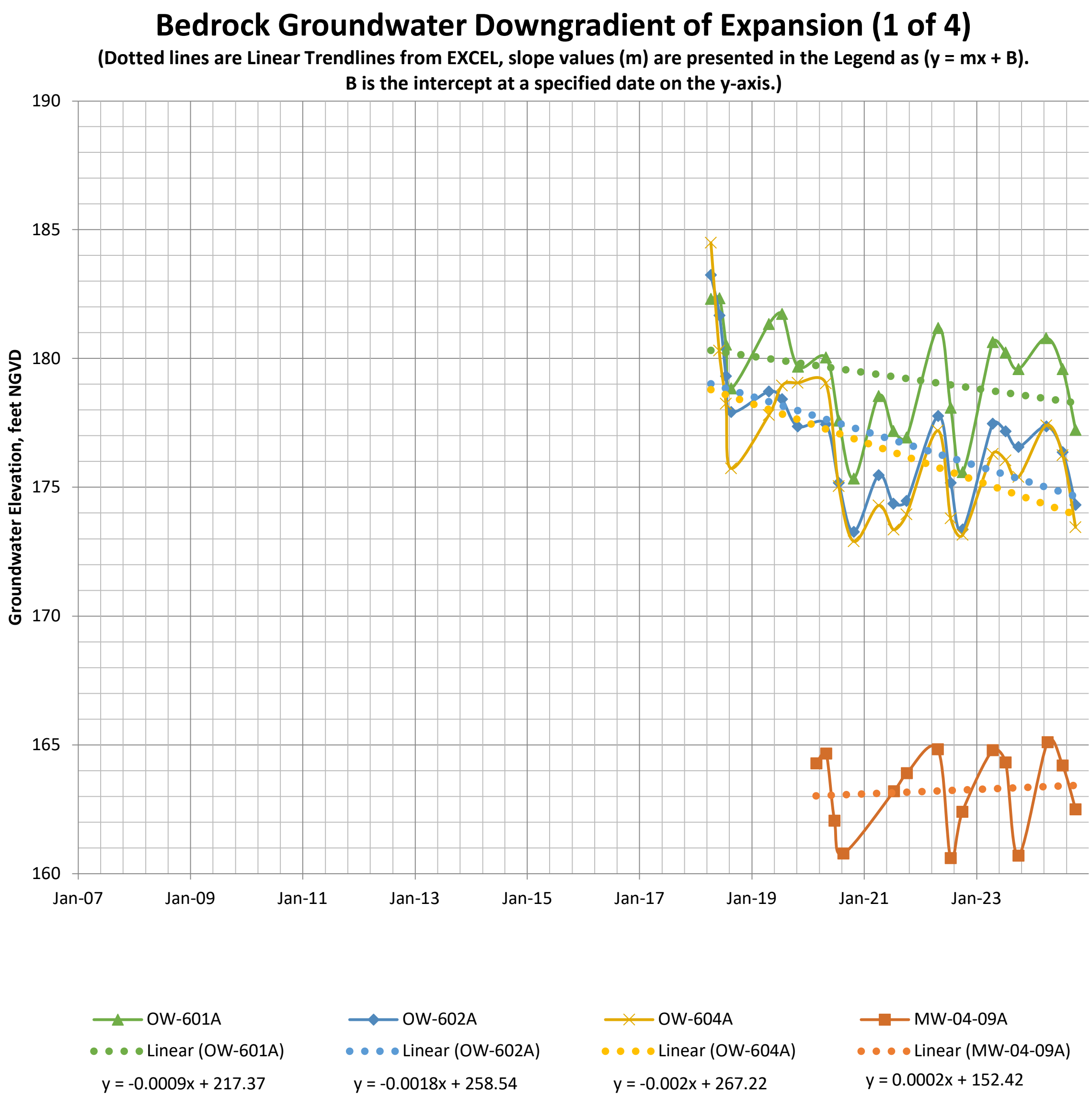


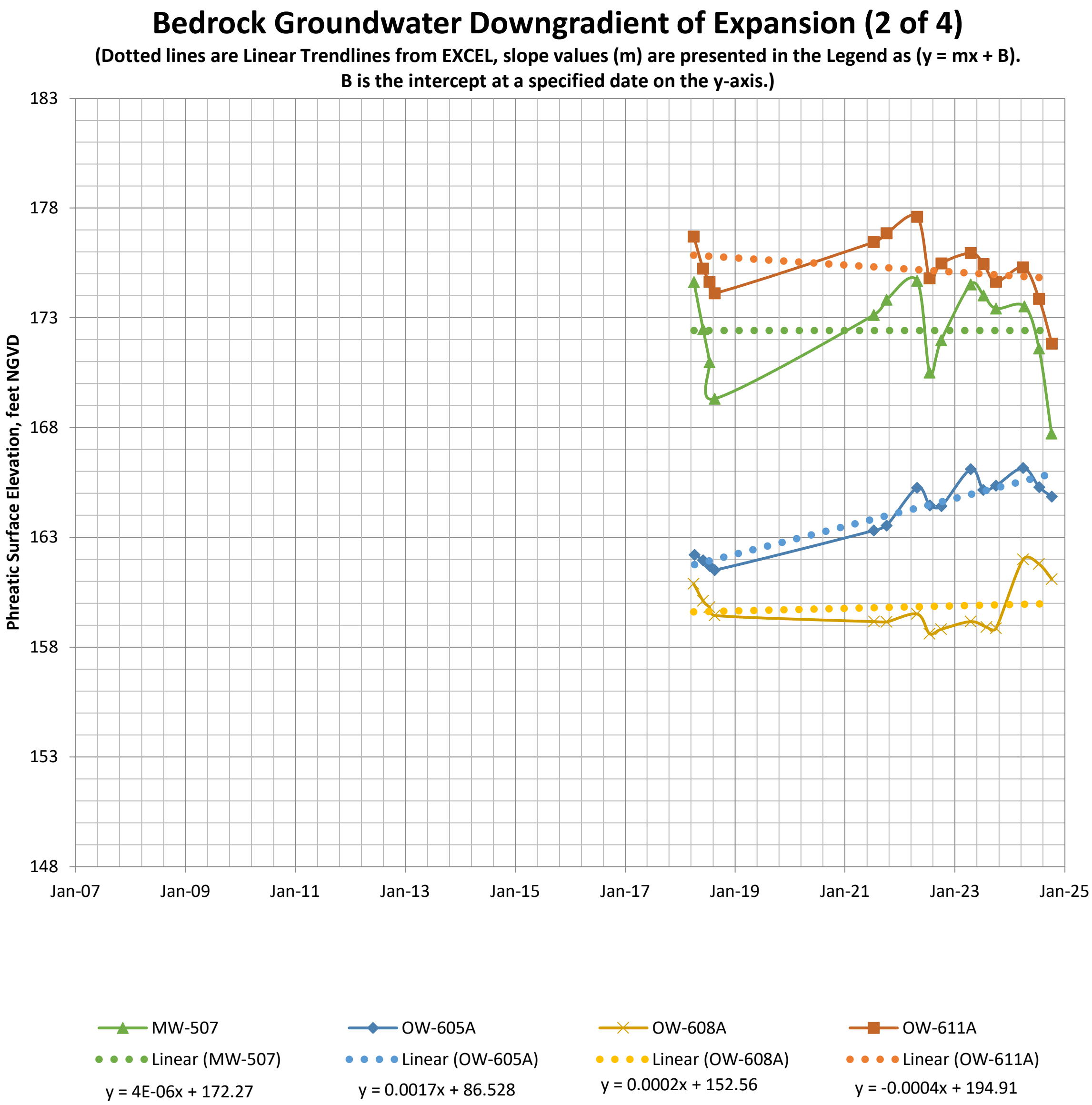

Overburden Groundwater Downgradient of Expansion (1 of 2)
(Dotted lines are Linear Trendlines from EXCEL, slope values (m) are presented in the Legend as (y = mx + B).
B is the intercept at a specified date on the y-axis.)
Phreatic Surface Elevation, feet NGVD
188
183
178
173
168
163
158
153
148
Jan-07
Jan-09
Jan-11
Jan-13
Jan-15
Jan-17
Jan-19
Jan-21
Jan-23
Jan-25
OW-601B
MW-04-09B
OW-607B
Linear (OW-601B)
Linear (MW-04-09B)
Linear (OW-607B)
y = -0.0008x + 214.92
y = 0.0005x + 139.83
y = -0.0024x + 270.24

Overburden Groundwater Downgradient of Expansion (2 of 2)

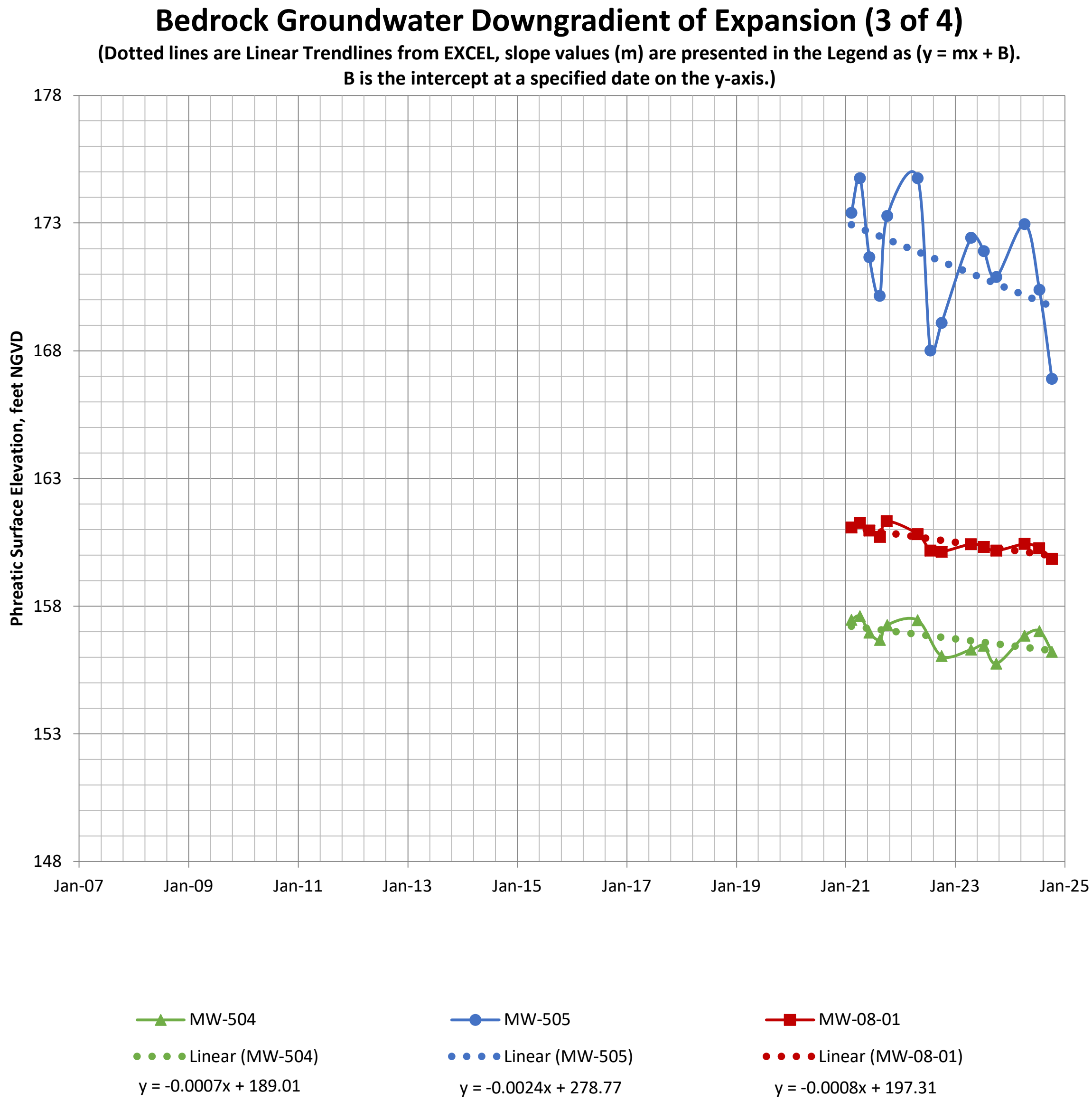
(Dotted lines are Linear Trendlines from EXCEL, slope values (m) are presented in the Legend as (y = mx + B).
B is the intercept at a specified date on the y-axis.)



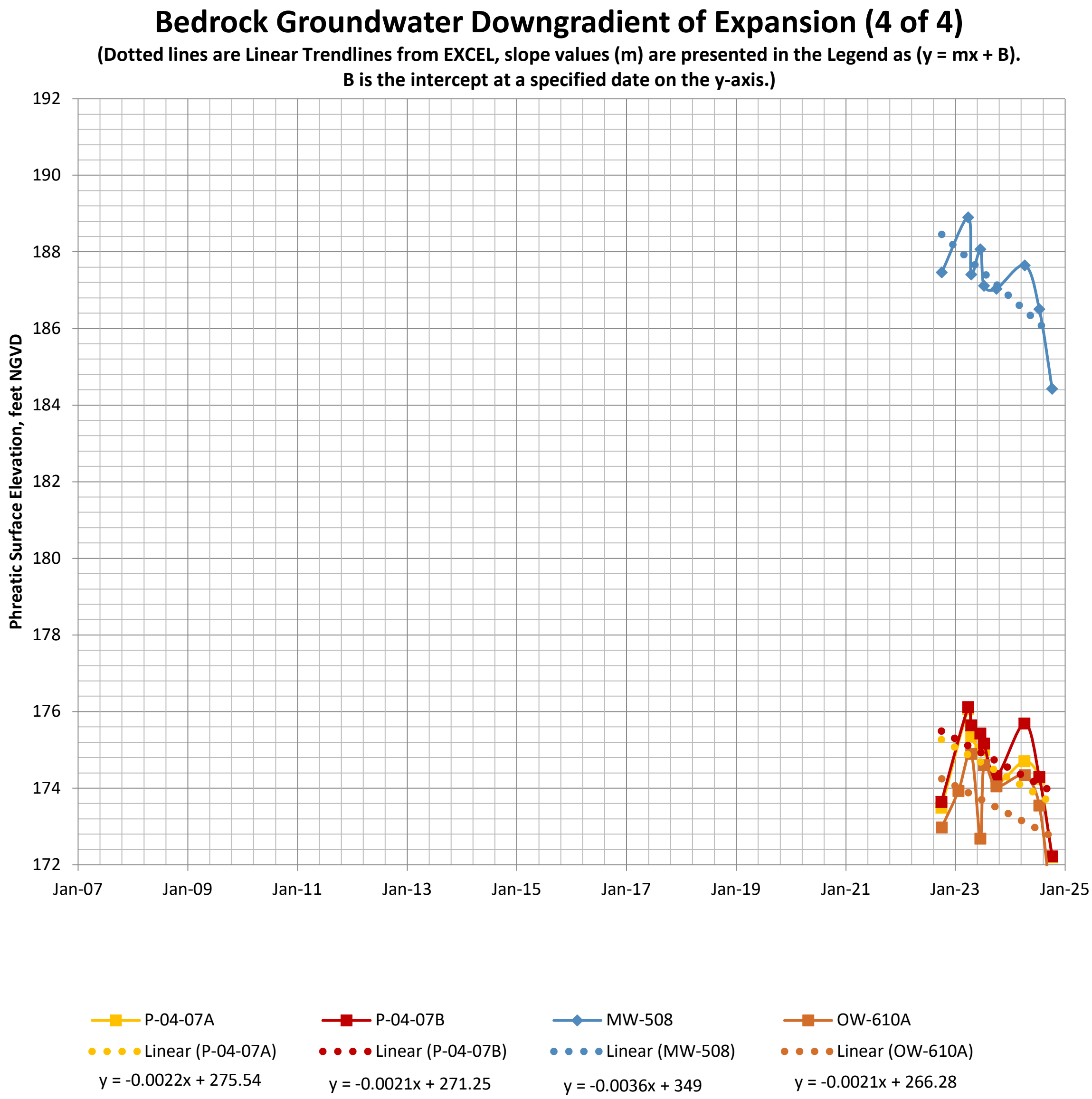

Bedrock Groundwater Downgradient of Expansion (1 of 4)
(Dotted lines are Linear Trendlines from EXCEL, slope values (m) are presented in the Legend as (y = mx + B).
B is the intercept at a specified date on the y-axis.)
Groundwater Elevation, feet NGVD
190
185
180
175
170
165
160
Jan-07
Jan-09
Jan-11
Jan-13
Jan-15
Jan-17
Jan-19
Jan-21
Jan-23
OW-601A
OW-602A
OW-604A
MW-04-09A
Linear (OW-601A)
Linear (OW-602A)
Linear (OW-604A)
Linear (MW-04-09A)
y = -0.0009x + 217.37
y = -0.0018x + 258.54
y = -0.002x + 267.22
y = 0.0002x + 152.42



Bedrock Groundwater Downgradient of Expansion (2 of 4)
(Dotted lines are Linear Trendlines from EXCEL, slope values (m) are presented in the Legend as (y = mx + B).
B is the intercept at a specified date on the y-axis.)
Phreatic Surface Elevation, feet NGVD
183
178
173
168
163
158
153
148
Jan-07
Jan-09
Jan-11
Jan-13
Jan-15
Jan-17
Jan-19
Jan-21
Jan-23
Jan-25
MW-507
OW-605A
OW-608A
OW-611A
Linear (MW-507)
Linear (OW-605A)
Linear (OW-608A)
Linear (OW-611A)
y = 4E-06x + 172.27
y = 0.0017x + 86.528
y = 0.0002x + 152.56
y = -0.0004x + 194.91



Bedrock Groundwater Downgradient of Expansion (3 of 4)
(Dotted lines are Linear Trendlines from EXCEL, slope values (m) are presented in the Legend as (y = mx + B).
B is the intercept at a specified date on the y-axis.)
Phreatic Surface Elevation, feet NGVD
178
173
168
163
158
153
148
Jan-07
Jan-09
Jan-11
Jan-13
Jan-15
Jan-17
Jan-19
Jan-21
Jan-23
Jan-25
MW-504
MW-505
MW-08-01
Linear (MW-504)
Linear (MW-505)
Linear (MW-08-01)
y = -0.0007x + 189.01
y = -0.0024x + 278.77
y = -0.0008x + 197.31


Bedrock Groundwater Downgradient of Expansion (4 of 4)
(Dotted lines are Linear Trendlines from EXCEL, slope values (m) are presented in the Legend as (y = mx + B).
B is the intercept at a specified date on the y-axis.)
Phreatic Surface Elevation, feet NGVD
192
190
188
186
184
182
180
178
176
174
172
Jan-07
Jan-09
Jan-11
Jan-13
Jan-15
Jan-17
Jan-19
Jan-21
Jan-23
Jan-25
P-04-07A
P-04-07B
MW-508
OW-610A
Linear (P-04-07A)
Linear (P-04-07B)
Linear (MW-508)
Linear (OW-610A)
y = -0.0022x + 275.54
y = -0.0021x + 271.25
y = -0.0036x + 349
y = -0.0021x + 266.28

APPENDIX C

2024 AND HISTORICAL FALL SPECIFIC CONDUCTANCE DATA (EXPANDED LOCATIONS)

SME
SEVEE & MAHER ENGINEERS

REPORT PREPARED: 1/16/2025 11:41
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Conductivity and Water Levels

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
DP-4				
10/28/2015	278	14.57	154.8	27.05
10/26/2016	267	15	154.37	27.1
10/23/2017	201	17.02	152.35	27.17
10/3/2018	214	15.25	154.12	27.16
10/28/2019	272	14.91	154.46	27.1
10/26/2020	249	15.1	154.27	27.12
10/4/2021	268	14.78	154.59	27.12
10/5/2022	248	14.35	155.02	27.12
10/3/2023	184	16.65	152.72	27.12
10/7/2024	189	15.3	154.07	27.12
MW04-101				
10/26/2015	189	5.8	162.12	23.82
10/24/2016	211	6.2	161.72	23.82
10/23/2017	213	7.2	160.72	23.82
10/3/2018	204	6.3	161.62	23.83
10/28/2019	!	!		!
10/28/2020	!	!		!
MW04-102				
10/28/2015	214	6.75	163.47	18.05
10/25/2016	237	7.2	163.02	18.05
10/25/2017	240	8.2	162.02	18.05
10/3/2018	224	7.95	162.27	18.05
10/28/2019	216	6.55	163.67	18.05
10/26/2020	224	8	162.22	18.05
10/4/2021	230	8	162.22	18.05
10/3/2022	210	8.3	161.92	18.05
10/2/2023	211	7.3	162.92	18.05
10/7/2024	206	8.4	161.82	18.05
MW04-104				
10/26/2015	222	8.46	159.6	28.08
10/25/2016	242	8.8	159.26	28.05
10/24/2017	239	9.6	158.46	28.07
10/2/2018	236	9.2	158.86	28.07
10/28/2019	229	8.1	159.96	28.06
10/28/2020	231	8	160.06	27.9
10/5/2021	236	8.85	159.21	27.9
10/5/2022	224	9.05	159.01	27.9
10/2/2023	224	9.1	158.96	27.9
10/7/2024	216	8.9	159.16	27.9
MW04-105				
10/28/2015	296	7.62	157.97	22.83
10/26/2016	305	8.31	157.28	22.83
10/23/2017	332	9.2	156.39	22.85
10/1/2018	341	8.61	156.98	22.84
10/28/2019	218	7.2	158.39	22.83

REPORT PREPARED: 1/16/2025 11:41
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Conductivity and Water Levels

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW04-105) Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
10/27/2020	276	8.3	157.29	22.84
10/5/2021	328	8.15	157.44	22.84
10/5/2022	316	8.5	157.09	22.84
10/2/2023	216	8.7	156.89	22.84
10/7/2024	381	8.22	157.37	22.84
MW04-109 & MW04-109R				
10/27/2015	429	7	153.13	22.97
10/25/2016	425	7.35	152.78	22.97
10/24/2017	453	8.62	151.51	22.97
10/2/2018	437	7.85	152.28	22.97
10/28/2019	418	5.96	154.17	22.97
10/27/2020	391	7.08	153.05	27.98
10/5/2021	386	6.75	153.38	27.98
10/4/2022	345	7.05	153.08	27.98
10/3/2023	337	7.2	152.93	27.98
10/8/2024	336	7.8	152.33	27.98
MW-204				
10/26/2015	167	9.4	155.35	24.43
10/26/2016	218	10.05	154.7	24.43
10/23/2017	272	11.5	153.25	24.43
10/3/2018	277	10.17	154.58	24.48
10/28/2019	253	9	155.75	24.49
10/26/2020	265	10.1	154.65	24.47
10/4/2021	357	9.65	155.1	24.47
10/5/2022	323	9.9	154.85	24.47
10/2/2023	!	!		!
10/7/2024	252	11.5	154.68	24.47
MW-206				
10/26/2015	139	6.8	197.87	23.15
10/24/2016	167	13.95	190.72	23.15
10/23/2017	146	14.9	189.77	23.15
10/1/2018	147	13.2	191.47	23.15
10/28/2019	149	4.5	200.17	23.15
10/26/2020	148	9.6	195.07	23.15
10/4/2021	154	5.8	198.87	23.15
10/5/2022	323	9.9	194.77	23.15
10/2/2023	140	6.4	198.27	23.15
10/7/2024	135	9.37	195.3	23.15
MW-216BR				
10/26/2015	257	5.85	153.55	22.54
10/25/2016	273	6.3	153.1	22.52
10/23/2017	258	7.7	151.7	22.52
10/2/2018	266	6.8	152.6	22.53
10/29/2019	164	4.7	154.7	22.25
10/27/2020	196	6	153.4	22.48
10/5/2021	140	5.9	153.5	22.48
10/4/2022	127	5.9	153.5	22.48

DATA SUMMARY TABLE

Conductivity and Water Levels

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-216BR) Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
7/19/2023		5.53	153.87	
10/2/2023	124	6.1	153.3	22.48
10/8/2024	146	6.75	152.65	22.48
MW-223A				
10/27/2015	490	1.4	175.14	35.57
10/25/2016	547	3.7	172.84	35.57
10/24/2017	552	4.5	172.04	35.57
10/2/2018	556	4.95	171.59	35.6
10/29/2019	548	0.93	175.61	35.57
10/27/2020	583	2.8	173.74	35.57
10/5/2021	628	2.35	174.19	35.57
10/4/2022	578	3	173.54	35.57
10/3/2023	595	4.72	171.82	35.57
10/8/2024	599	6.65	169.89	35.57
MW-223B				
10/27/2015	394	2.8	173.13	20.05
10/25/2016	436	4.5	171.43	20.07
10/24/2017	446	5.25	170.68	20.06
10/2/2018	485	5.7	170.23	20.07
10/29/2019	480	2.4	173.53	20.07
10/27/2020	505	3.8	172.13	20.07
10/5/2021	531	3.6	172.33	20.07
10/4/2022	487	4.2	171.73	20.07
10/3/2023	503	6	169.93	20.07
10/8/2024	473	7.2	168.73	20.07
MW-227				
10/27/2015	182	4.6	159.63	22.3
10/25/2016	199	4.61	159.62	22.3
10/24/2017	191	5.65	158.58	22.3
10/2/2018	191	5.18	159.05	22.3
10/29/2019	181	4.19	160.04	22.3
10/27/2020	184	4.45	159.78	22.31
10/5/2021	191	4.65	159.58	22.31
10/4/2022	178	8.45	155.78	22.31
10/3/2023	173	4.7	159.53	22.31
10/8/2024	170	5.15	159.08	22.31
MW-301				
10/27/2015	205	0.23	165.68	185.11
10/26/2016	218	0.38	165.53	185.11
10/25/2017	225	0.2	165.71	185.11
10/1/2018	242	0.95	164.96	185.13
10/28/2019	248	F1		185.1
10/26/2020	248	1.8	164.11	185.12
10/4/2021	259	0.9	165.01	185.11
10/3/2022	242	3	162.91	185.11
10/2/2023	243	3.1	162.81	185.11
10/7/2024	238	0.15	165.76	185.11

REPORT PREPARED: 1/16/2025 11:41
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Conductivity and Water Levels

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-302 & MW-302R) Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
MW-302 & MW-302R				
10/26/2015	766	9.2	197.66	32.22
10/24/2016	630	18.5	188.36	32.22
10/23/2017	698	19.35	187.51	32.25
10/1/2018	851	19.6	187.26	32.23
10/28/2019	317	5.17	201.69	32.2
10/26/2020	562	13.8	193.06	32.27
10/4/2021	450	11.2	195.66	32.27
MW-303 & MW12-303R				
10/26/2015	370	29.29	179.6	43.4
10/24/2016	681	32.5	176.39	43.4
10/23/2017	414	19.35	189.54	43.4
10/1/2018	408	32.08	176.81	43.4
10/28/2019	380	29.12	179.77	43.4
10/26/2020	577	33.4	175.49	43.4
10/4/2021	673	31.77	177.12	43.4
10/3/2022	401	33.15	175.74	43.4
10/2/2023	286	29.1	179.79	43.4
10/7/2024	298	31.5	177.39	43.4
MW-401A				
10/26/2015	118	4.8	152.03	112.03
10/24/2016	127	8.5	148.33	112.2
10/25/2017	303	8.55	148.28	112.18
10/1/2018	146	8.72	148.11	112.2
10/28/2019	140	2.21	154.62	112.21
10/26/2020	122	6.27	150.56	112.03
10/4/2021	128	3.41	153.42	112.03
10/3/2022	134	6.6	150.23	112.03
10/2/2023	161	4.28	152.55	112.03
10/7/2024	171	6.78	150.05	112.03
MW-401B				
10/26/2015	335	6.97	150.35	23.1
10/24/2016	355	7.34	149.98	23.1
10/25/2017	375	8.25	149.07	23.14
10/1/2018	363	7.9	149.42	23.14
10/28/2019	327	6.2	151.12	23.14
10/26/2020	296	7.1	150.22	23.13
10/4/2021	287	6.68	150.64	23.13
10/3/2022	290	6.5	150.82	23.13
10/2/2023	311	7.03	150.29	23.13
10/7/2024	339	7.65	149.67	23.13
MW-402A				
10/28/2015	117	0.04	152.16	108.28
10/26/2016	126	0.46	151.74	108.28
10/26/2017	122	0.05	152.15	108.28
10/3/2018	136	0.45	151.75	108.3

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-402A) Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
10/30/2019	128	0.05	152.69	108.35
10/28/2020	112	F1		108.55
10/4/2021	118	0.06	152.14	108.55
10/3/2022	113	0.66	151.54	108.55
10/2/2023	128	0.08	152.12	108.55
10/7/2024	129	4.13	148.07	108.55
MW-402B				
10/28/2015	142	3.25	149.49	25.16
10/26/2016	150	5.21	147.53	25.15
10/26/2017	147	4.58	148.16	25.16
10/3/2018	162	5.82	146.92	25.16
10/30/2019	151	2.65	149.55	25.14
10/28/2020	131	3.92	148.82	25.2
10/4/2021	132	3.15	149.59	25.2
10/3/2022	131	4.2	148.54	25.2
10/2/2023	148	3.6	149.14	25.2
10/7/2024	148	20.15	132.59	25.2
MW09-901				
10/27/2015	318	9.48	155.62	22.82
10/25/2016	353	10.5	154.6	22.82
10/24/2017	392	11.92	153.18	22.8
10/2/2018	390	11	154.1	22.82
10/29/2019	333	5.89	159.21	22.82
10/27/2020	341	8.15	156.95	22.81
10/5/2021	346	7.3	157.8	22.81
10/4/2022	286	7.8	157.3	22.81
10/3/2023	342	5.7	159.4	22.81
10/8/2024	310	10.05	155.05	22.81
P-04-02 & P-04-02R				
10/28/2015	700	11.8	158.92	37.98
10/26/2016	629	12.81	157.91	37.96
10/25/2017	481	13.5	155.24	38
10/3/2018	456	13.25	155.49	38
10/30/2019	331	11.5	159.22	38
10/28/2020	284	13.18	157.54	37.88
10/6/2021	274	13.88	156.84	37.88
10/4/2022	229	13	157.72	37.88
10/2/2023	223	12.8	157.92	37.88
10/7/2024	220	13	157.72	37.88
P-04-04				
10/28/2015	161	9.06	160.19	32.31
10/26/2016	184	10.53	158.72	32.3
10/25/2017	189	10.8	158.45	32.34
10/3/2018	196	10.92	158.33	32.34
10/30/2019	187	9.2	160.05	32.34
10/28/2020	167	10.8	158.45	37.1
10/6/2021	175	10.2	159.05	37.1

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(P-04-04) Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
10/4/2022	194	10.52	158.73	37.1
10/2/2023	201	10	159.25	37.1
10/7/2024	198	11	158.25	37.1
P-201A				
10/28/2015	119	2.45	147.1	21.62
10/25/2016	85	3.18	146.37	21.62
10/26/2017	73	2.72	146.83	21.62
10/2/2018	187	3.4	146.15	21.62
10/29/2019	176	1.99	147.56	21.62
10/27/2020	186	2.86	146.69	22.48
10/7/2021	124	2.21	147.34	22.48
10/4/2022	197	3.02	146.53	22.48
10/3/2023	222	7.35	142.2	22.48
10/8/2024	184	2.94	146.61	22.48
P-201B				
10/28/2015	77	F1		70.7
10/25/2016	158	F1		70.12
10/26/2017	104	F1		70.12
10/2/2018	138	F1		70.12
10/29/2019	148	0.19	151.99	70.12
10/27/2020	116	2.66	149.52	73.97
10/7/2021	115	2.13	150.05	73.97
10/4/2022	123	2.23	149.95	73.97
10/3/2023	130	1.85	150.33	73.97
10/8/2024	135	2.28	149.9	73.97
P-201C				
10/28/2015	150	0.77	151.42	67.82
10/25/2016	160	2.4	149.79	67.82
10/26/2017	123	2.18	150.01	67.82
10/2/2018	156	5.65	146.54	67.82
10/29/2019	150	2.62	149.57	67.82
10/27/2020	141	4.39	147.8	68.05
10/7/2021	126	2.19	150	68.05
10/4/2022	124	3.7	148.49	68.05
10/3/2023	142	2.19	150	68.05
10/8/2024	142	3.45	148.74	68.05
P-201D				
10/28/2015	142	2.15	149.18	49.42
10/25/2016	164	3.57	147.76	49.42
10/26/2017	122	3.05	148.28	49.42
10/2/2018	157	3.75	147.58	49.92
10/29/2019	149	2.11	149.22	49.92
10/27/2020	134	3.22	148.11	48.57
10/7/2021	132	0.78	150.55	48.57
10/4/2022	126	3.34	147.99	48.57
10/3/2023	141	2.5	148.83	48.57
10/8/2024	143	3.31	148.02	48.57

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4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(P-201E) Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
P-201E				
10/28/2015	151	0.7	151.56	42.5
10/25/2016	164	2.39	149.87	42.5
10/26/2017	117	1.94	150.32	42.5
10/2/2018	150	2.6	149.66	42.5
10/29/2019	135	2.11	150.15	42.5
10/27/2020	122	2.02	150.24	43.1
10/7/2021	214	2.24	150.02	43.1
10/4/2022	113	2.03	150.23	43.1
10/3/2023	138	2.15	150.11	43.1
10/8/2024	130	2.08	150.18	43.1
P-202A				
10/27/2015	179	2.25	147.13	21.31
10/26/2016	191	3.59	145.79	21.31
10/26/2017	132	2.9	146.48	21.31
10/2/2018	110	4.5	144.88	6.31
10/30/2019	89	1.94	147.44	6.31
10/28/2020	99	2.98	146.4	21.18
10/4/2021	F21	F21		F21
10/3/2022	F21	F21		F21
10/2/2023	179	2.56	146.82	21.18
10/7/2024	166	2.48	146.9	21.18
P-202B				
10/27/2015	173	2.85	146.52	6.31 Q
10/26/2016	194	2.97	146.4	6.31 Q
10/26/2017	138	3.63	145.74	6.31
10/2/2018	144	3.15	146.22	21.31
10/30/2019	116	2.29	147.08	21.31
10/28/2020	87	2.31	147.06	6.02
10/4/2021	F21	F21		F21
10/3/2022	F21	F21		F21
7/19/2023		F12		
10/2/2023	156	2.18	147.19	6.02
10/7/2024	147	2.13	147.24	6.02
P-206A				
10/26/2015	146	24.9	179.61	93.45
10/24/2016	192	28.2	176.31	93.43
10/23/2017	221	27.6	176.91	93.45
10/1/2018	234	28.4	176.11	93.43
10/28/2019	218	24.8	179.71	93.43
10/26/2020	F5	30 A6	174.51	93.15
10/4/2021	249	27.3	177.21	93.15
10/3/2022	214	28.5	176.01	93.15
10/2/2023	277	24.6	179.91	93.15
10/7/2024	117	27.18	177.33	93.15
P-209A				

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(P-209A)

Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
10/28/2015	70	41.2	137.59	55.82
10/25/2016	199	25.92	152.87	55.82
10/26/2017	56	22.11	156.68	55.82
10/3/2018	59	25.65	153.14	55.82
10/29/2019	89	F1		55.82
10/27/2020	72	23.73	155.06	54.644
10/5/2021	63	1.89	176.9	54.64
10/3/2022	46	21.95	156.84	54.64
10/2/2023	58	2.71	176.08	54.64
10/7/2024	46	20.55	158.24	54.64

P-209B

Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
10/28/2015	125	3.62	175.2	30.65
10/25/2016	124	26.17	152.65	30.65
10/26/2017	77	22.85	155.97	30.65
10/3/2018	103	25.84	152.98	30.65
10/29/2019	85	0.12	178.7	30.65
10/27/2020	84	23.95	154.87	30.81
10/5/2021	51	1.92	176.9	30.81
10/3/2022	88	22.03	156.79	30.81
10/2/2023	88	2.26	176.56	30.81
10/7/2024	54	23.9	154.92	30.81

P-209C

Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
10/28/2015	D	D		9.82
10/25/2016	D	D		9.82
10/26/2017	D	D		9.82
10/3/2018	D	D		9.82
10/29/2019	61	2.85	176.03	9.82
10/27/2020	D	D		9.87
10/5/2021	D	D		9.87
10/3/2022	D	D		9.87
10/2/2023	D	D		9.87
10/7/2024	D	D		9.87

P-211A

Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
10/26/2015	196	4.7	178.87	25.6
10/24/2016	281	8.3	175.27	25.58
10/23/2017	364	8.35	175.22	25.68
10/2/2018	392	9.2	174.37	13.25
10/29/2019	437	5.3	178.27	25.43
10/28/2020	422	6.42	177.15	25.65
10/6/2021	515	7.08	176.49	25.67
10/5/2022	377	7.4	176.17	25.67
10/3/2023	390	8.3	175.27	25.67
10/9/2024	387	10.3	173.27	25.67

P-211B

Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
10/26/2015	282	5.4	178.57	13.5
10/24/2016	284	7.8	176.17	13.5
10/23/2017	477	8.2	175.77	13.5

SEVEE & MAHER ENGINEERS, INC.
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(P-211B) Date	Specific Conductance µmhos/cm @25°C	Water Level Depth Feet	Water Level Elevation Feet	Well Depth Feet
10/2/2018	506	9.15	174.82	25.65
10/29/2019	482	5.4	178.57	13.23
10/28/2020	473	6.4	177.57	13.5
10/6/2021	469	6.75	177.22	13.5
10/5/2022	449	7.3	176.67	13.5
10/3/2023	509	7.8	176.17	13.5
10/9/2024	500	9.9	174.07	13.5
P-220A				
10/27/2015	187	F1		40.8
10/25/2016	189	0.37	147.62	40.8
10/26/2017	137	0.35	147.64	
10/2/2018	177	0.35	147.64	40.8
10/30/2019	F12	F12		F12
10/26/2020	A	A		A
10/4/2021	F21	F21		F21
10/3/2022	F21	F21		F21
10/2/2023	F21	F21		F21
10/8/2024	F12	F12		F12
P-220B				
10/27/2015	201	F1		22.78
10/25/2016	181	0.63	147.42	22.78
10/26/2017	134	0.57	147.48	
10/2/2018	110	0.47	147.58	22.78
10/30/2019	F12	F12		F12
10/26/2020	A	A		A
10/4/2021	F21	F21		F21
10/3/2022	F21	F21		F21
7/19/2023		F12		
10/2/2023	F21	F21		F21
10/8/2024	F12	F12		F12

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Concentration Qualifier Notes:

- ! - The sampling location was damaged or destroyed.
- A - The sampling location was inaccessible.
- A6 - Approximate value.
- D - The sampling location was dry.
- F1 - Well was flowing
- F12 - Pipe under water, no sample taken.
- F21 - Area flooded by water. Beaver dam in area.
- F5 - Water level not high enough to pump.
- Q - An obstruction prevented the collection of data.

APPENDIX D

2024 AND HISTORICAL WATER QUALITY DATA

SME
SEVEE & MAHER
ENGINEERS

REPORT PREPARED: 4/14/2025 09:19

FOR: Juniper Ridge Landfill

DATE RANGE: 1/1/2015 - 1/1/2025

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(DP-4)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
DP-4														
10/28/2015	XX	GWDP4X7J6	278	6.6	10.5	154.8	14.57	27.05	169.37	257	0.9		3	
10/26/2016	XX	GWDP4X908	267	6.5	10.2	154.37	15	27.1	169.37	296	0.6		7	
10/23/2017	XX	GWDP4X9I7	201	6.2	14.3	152.35	17.02	22.17	169.37	284	0.4		5.5	
10/3/2018	XX	GWDP4XB25	214	6.3	12.3	154.12	15.25	27.16	169.37	285	1.4		4.7	
10/28/2019	XX	GWDP4XBJ5	272	6.5	10.7	154.46	14.91	27.1	169.37	236	0.5		14.9	
10/26/2020	XX	GWDP4XD49	249	6.4	11.8	154.27	15.1	27.12	169.37	315	0.6		12.5	
10/4/2021	XX	GWDP4XE7A	268	6.1	14.8	154.59	14.78		169.37	193	0.7		4.9	
4/25/2022	XX	GWDP4XF21	236	5.9	10.3	154.7	14.67		169.37	204	0.8		5	
10/5/2022	XX	GWDP4XG00	248	6.3	15.4	155.02	14.35	27.12	169.37	219	0.8		3.5	
10/3/2023	XX	GWDP4X09A	184	5.9	14.3	152.72	16.65	27.12	169.37	253	0.4		10.5	
10/7/2024	XX	GWDP4X229	189	5.9	14	154.07	15.3	27.07	169.37	215	1.2		11	
LF-COMP														
2/3/2015	XX	LFCMPX775	383	7.4	14.3					386	5	185	0.03	
2/21/2015	XX	LFCMPX77G	321	7.5	17.7					369	4.5	185	0.63	
3/28/2015	XX	LFCMPX7AE	372	7.3	15.8					409	6	150	0.65	
9/26/2015	XX	LFCMPX809	314	6.7	21.4					380	8	160	0.5	
11/27/2015	XX	LFCMPX81D	312	7	15					377	8	170	0.81	
12/2/2015	XX	LFCMPX7GG	317	7	20.2					361	6	160	0.2	
8/29/2016	XX	LFCMPX90J	454	6.9	24.6					337	8	220	2.9	
9/23/2016	XX	LFCMPX93I	458	7.52	19					304	9	230	2.1	
10/31/2016	XX	LFCMPX94C	426	8.21	14.3					314	8	125	0.4	
11/29/2016	XX	LFCMPX957	218	7.39	12.3					357	6	150	0.9	
12/13/2016	XX	LFCMPX960	196	8.06	5.6					345	10	140	1	
1/10/2017	XX	LFCMPX99J	223	7.77	15.1					373	8	145	0.4	
2/8/2017	XX	LFCMPX9AC	311	7.71	14.2					358	9	125	0.4	
3/3/2017	XX	LFCMPX9B5	194	7.74	16					352	7	130	0.5	
4/5/2017	XX	LFCMPX996	206	7.95	18.7					349	8	105	3.6	
7/31/2017	XX	LFCMPX9FC	468	7.3	23.9					391	6	250	0.8	
9/28/2017	XX	LFCMPX9JE	492	7.4	18.9					360	8	240	7.1	
10/26/2017	XX	LFCMPXA06	473	6.9	17.7					414	6	160	1.3	
4/28/2018	XX	LFCMPXAAH	395	7.8	16.2					384	8	150	0.3	
6/2/2018	XX	LFCMPXAE1	433	8	19.7					365	7	130	0.3	
7/2/2018	XX	LFCMPXAJ1	483	8	22.4					367	7	180	0.2	
8/17/2018	XX	LFCMPXAJ2	498	7	22.8					355	7	200	5.6	
9/1/2018	XX	LFCMPXB28	485	7.8	19.9					376	7	200	4.8	
10/13/2018	XX	LFCMPXB32	481	7	14.9					374	7	190	1.7	
11/2/2018	XX	LFCMPXB3G	399	7.1	11.3					361	7	150	2.8	
12/7/2018	XX	LFCMPXB7F	309	8	8.4					374	7	175	1.1	
1/3/2019	XX	LFCMPXB89	446	6.7	4.9					373	8	150	2	
2/2/2019	XX	LFCMPXB93	409	7.5	3.2					410	8	200	7	
3/2/2019	XX	LFCMPXB9H	423	7	5					372	7	200	2.2	
4/5/2019	XX	LFCMPXBAB	382	8.2	12.9					354	8	155	1.9	
5/10/2019	XX	LFCMPXBE3	344	7	14.4					321	7	160	3.7	
6/24/2019	XX	LFCMPXBEH	395	7.5	17.1					364	8	200	0.5	
7/30/2019	XX	LFCMPXBFB	410	8	20.6					337	8	210	2.5	
8/20/2019	XX	LFCMPXBG5	376	7.6	25.3					357	6	180	0.3	
9/20/2019	XX	LFCMPXBJI	453	7.2	21.5					370	6	200	0.2	

(LF-COMP)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/14/2019	XX	LFCMPXC0C	410	7.8	18.9					339	6	200	0.3	
11/27/2019	XX	LFCMPXC16	353	7.7	20					384	8	190	1.1	
12/23/2019	XX	LFCMPXC2G	394	7.9	12.7					353	8	135	0.3	
1/17/2020	XX	LFCMPXC3B	374	8.2	11.6					377	10	175	2.4	
2/4/2020	XX	LFCMPXC46	378	8.3	12.4					337	10	175	0.2	
3/27/2020	XX	LFCMPXCF3	328	7.3	11.7					415	6	200	0.4	
4/29/2020	XX	LFCMPXCFH	380	8.2	16.9					334	6	200	0.4	
5/27/2020	XX	LFCMPXCJG	438	7.2	18.4					346	6	200	0.2	
6/28/2020	XX	LFCMPXD0A	401	7.3	21.9					338	5	210	2.8	
7/11/2020	XX	LFCMPXD14	429	7.1	20.7					361	5	250	1.1	
8/3/2020	XX	LFCMPXD52	485	7	21.5					374	6	250	0.6	
9/27/2020	XX	LFCMPXD5I	402	7.2	17.7					409	6	250	14.2	
10/31/2020	XX	LFCMPXD6C	417	8.2	14.3					397	8	250	0.6	
11/29/2020	XX	LFCMPXD76	320	7.6	15.3					410	6	175	15.6	
12/13/2020	XX	LFCMPXD80	217	7	12.5					380	5	105	67.9	
1/10/2021	XX	LFCMPXDEE	258	7.1	15.5					397	6	125	28	
2/28/2021	XX	LFCMPXDE0	101	7.2	10.5					361	8	55	52.4	
3/30/2021	XX	LFCMPXDFC	364	7.1	12.7					412	8	200	181.1	
4/6/2021	XX	LFCOMPDG6	318	7	5.4					346	6.3		2.3	
4/29/2021	XX	LFCMPXDH8	426	7.5	15.4					381	8	250	2.2	
5/19/2021	XX	LFCMPXDI2	440	7.7	21.4					406	8	230	1.4	
6/2/2021	XX	LFCMPXE2D	394	7.9	20.1					334	7	230	3.1	
7/16/2021	XX	LFCMPXE39	473	7.1	24.8					388	6	250	3.9	
8/3/2021	XX	LFCMPXEFB	504	7.5	23.1					404	6	210	82.8	
9/18/2021	XX	LFCMPXEDD	450	7.1	19.4					365	6	225	14.4	
10/16/2021	XX	LFCMPXEEC	370	7.1	17.4					359	8	250	7.1	
11/20/2021	XX	LFCMPXEHA	281	7.3	13.7					329	5	150	18.3	
12/18/2021	XX	LFCMPXEIC	365	7.7	13					341	7	145	13.7	
1/16/2022	XX	LFCMPXF48	281	7.1	15.6					343	10	80	3.7	
2/20/2022	XX	LFCMPXF58	275	7.2	12					313	5	65	12.4	
3/20/2022	XX	LFCMPXF68	292	7	10.7					350	9	130	8.9	
4/15/2022	XX	LFCMPXFBJ	244	7.2	18.5					306	6	125	10	
5/10/2022	XX	LFCMPXFCJ	398	7.5	19.5					343	8	200	625.23	
6/7/2022	XX	LFCMPXFE9	483	8	20.7					327	8	325	13.2	
7/21/2022	XX	LFCMPXFF9	449	7.6	22.7					318	7	300	9.9	
8/8/2022	XX	LFCMPXG2I	370	7.2	18.6					365	6	175	4.9	
9/2/2022	XX	LFCMPXG5A	364	7.3	18.2					359	6	175	5	
10/6/2022	XX	LFCMPXG8C	423	7.8	13.4					293	6	200	8.7	
11/4/2022	XX	LFCMPXGA3	291	7	10					328	6	125	2.6	
12/5/2022	XX	LFCMPXGC8	295	7	9.2					325	6	150	2.5	
1/4/2023	XX	LFCMPXGE0	361	7.1	9					383	6	175	7	
2/1/2023	XX	LFCMPXGFB	342	7.7	11.4					362	6	150	12.8	
3/1/2023	XX	LFCMPXH2F	393	7.8	12					389	6	135	147.5	
4/3/2023	XX	LFCMPXH46	348	7.7	14.1					346	6	150	10.5	
5/3/2023	XX	LFCMPXH65	297	7.5	14.9					306	6	150	27.7	
6/6/2023	XX	LFCMPX028	395	7.2	16.8					336	6	150	58.7	
7/18/2023	XX	LFCMPX03D	338	7.3	23.5					343	6	150	9.6	
8/1/2023	XX	LFCMPX0A9	459	7.8	21.2					300	5	225	7.3	
9/8/2023	XX	LFCMPX0BF	490	7.6	24.1					344	6	200	20.6	

(LF-COMP)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/4/2023	XX	LFCMPX0D7	450	7.2	22.3					343	6	250	10.9	
11/7/2023	XX	LFCMPX0EG	404	6.9	16.8					359	6	200	6.1	
12/20/2023	XX	LFCMPX0GE	288	7.2	10.8					346	5	125	12	
1/2/2024	XX	LFCMPX0IA	199	7.2	12.4					351	6	125	13.1	
2/6/2024	XX	LFCMPX0JJ	471	7.2	13.4					357	6	200	6.3	
3/7/2024	XX	LFCMPX160	196	7.2	11.2					337	6	100	11.4	
4/3/2024	XX	LFCMPX17J	403	7.2	15.9					332	6	160	6	
5/8/2024	XX	LFCMPX19A	490	7	15.1					337	6	190	2.6	
6/5/2024	XX	LFCMPX1AJ	299	7.5	22.4					281	8	125	0.6	
7/15/2024	XX	LFCMPX22E	500	7	21.4					329	6	125	3.4	
8/30/2024	XX	LFCMPX244	542	7.4	21.7					275	6	175	9.2	
9/19/2024	XX	LFCMPX25E	650	7.1	22.9					353	5	125	4.2	
10/17/2024	XX	LFCMPX273	615	7.4	19.9					356	4	175	27.5	
11/12/2024	XX	LFCMPX290	595	7.6	18.8					311	6	250	15.4	
12/31/2024	XX	LFCMPX2A9	434	7.4	16.3					337	10	150	4.1	

LF-LD-11

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/7/2021	XX	LFXXXXDG7	795	6.7	18.4					130	2.5		2.1	0.0316
7/13/2021	XX	LFXXXXE1C	723	6.5	21.2					195	1.5		0.3	0.0348
8/3/2021	XX	LFXXXXEG8	847	6.8	24.2					420	4	300	0.8	
8/18/2021	XX	LFLD11EGD	864	6.8	24.3					372	4	300	0.8	
8/30/2021	XX	LFLD11EGH	844	6.9	22.8					359	4	350	1.4	
9/18/2021	XX	LFXXXXEEA	869	6.8	21					338	4	500	2.3	
10/5/2021	XX	LFXXXXE88	744	6.5	17.1					261	1.7		0.3	0.0343
10/23/2021	XX	LFLD11EGK	884	6.8	21.1					368	3	350	1.4	
11/7/2021	XX	LFXXXXEI6	739	6.3	20.2					364	4	450	1.2	
11/20/2021	XX	LFLD1XEI9	740	6.9	15.9					336	3	300	4.9	
12/4/2021	XX	LFXXXXEJ8	748	6.5	16.3					241	5	450	3.8	
12/18/2021	XX	LFLD1XEJB	770	6.5	16.7					148	4	125	15	
1/4/2022	XX	LFLD1XF57	738	6.6	16.9					367	4	250	2.8	
1/16/2022	XX	LFXXXXF54	739	7	15.9					356	7	370	4.6	
2/7/2022	XX	LFXXXXF64	804	6.9	18.7					352	4	500	2.6	
2/16/2022	XX	LFLD1XF67	731	7.9	13.2					344	9	225	4.9	
3/7/2022	XX	LFXXXXF74	1210	6.5	20.4					273	5	300	36.6	
3/20/2022	XX	LFLD1XF77	1245	6.4	15.6					135	3	350	24.6	
4/1/2022	XX	LFLD1XFCI	1197	6.4	20.6					178	5	500	11.3	
4/15/2022	XX	LFXXXXFCF	1027	6.8	19.5					222	5	500 <	4.7	
4/28/2022	XX	LFXXXXF2E	857	6.5	15.5					233	3.2		1.8	
5/10/2022	XX	LFLD1XFDI	895	7	19.7					293	5	500	5.5	
5/25/2022	XX	LFXXXXFDF	767	7	20.9					233	3	325	3.2	
6/7/2022	XX	LFXXXXFF5	945	7.1	21.1					339	8	500	7	
6/20/2022	XX	LFXXXXFGD	916	7.1	18.2					336	6	400	1.9	
7/1/2022	XX	LFXXXXFG5	906	7	23.9					233	6	450	1.6	
7/19/2022	XX	LFXXXXFA9	817	6.7	20.8					193	1.9		0.5	0.0341
7/21/2022	XX	LFLD1XFG8	893	7	22.8					237	6	425	1.9	
8/8/2022	XX	LFXXXXG3E	899	7.1	19.2					300	6	450	1.3	
8/22/2022	XX	LFXXXXG52	915	7	19.1					315	5	450	2.1	
9/2/2022	XX	LFXXXXG66	926	6.9	19.4					366	5	500	1.3	
9/15/2022	XX	LFLD1XG4F	918	6.9	19.6					362	6	450	2.2	
10/4/2022	XX	LFXXXXG0D	771	6.8	18.8					302	5		0.4	

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-LD-11)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/6/2022	XX	LFXXXXG98	881	7	16.8					323	5	350	1.8	
10/24/2022	XX	LFLD1XG8B	906	7.1	18.9					325	6	350	1.3	
11/4/2022	XX	LFXXXXGAJ	861	6.8	15.7					334	5	300	1.2	
11/21/2022	XX	LFLD1XGA2	857	7.1	17.6					326	4	300	1.2	
12/5/2022	XX	LFXXXXGD4	857	6.8	15.3					335	6	300	1.3	
12/26/2022	XX	LFLD1XGC7	850	7	16.1					325	6	300	1.3	
1/4/2023	XX	LFXXXXGEG	842	7	13.7					382	6	400	1.7	
1/19/2023	XX	LFLD1XGDJ	845	7.3	16.2					367	6	350	1.9	
2/1/2023	XX	LFXXXXGG7	809	7.5	14.2					360	5	200	0.8	
2/15/2023	XX	LFLD1XGFA	936	7.3	18.7					379	6	350	0.8	
3/1/2023	XX	LFXXXXH3B	838	7.5	15.2					396	6	350	5	
3/15/2023	XX	LFLD1XH2E	955	7.2	19.9					359	6	350	0.4	
4/3/2023	XX	LFLD1XH45	868	7.5	18.8					348	6	400	4.8	
4/12/2023	XX	LFXXXXH52	1155	7.1	20.8					360	6	300	2	
4/18/2023	XX	LFXXXXH04	770	7	19					357	4.3		0.4	0.035
5/3/2023	XX	LFXXXXH70	854	7.3	19.3					311	6	350	2.5	
5/16/2023	XX	LFLD1XH64	1092	6.5	20.9					339	6	500	2.1	
6/6/2023	XX	LFXXXX033	954	7.2	21.1					335	6	350	1.3	
6/20/2023	XX	LFLD1X027	933	7.2	21.8					373	6	350	0.6	
7/6/2023	XX	LFXXXX048	1195	6.9	25.9					360	6	350	0.6	
7/11/2023	XX	LFXXXX005	892	6.6	21.5					347	3.1		0.6	0.0189
7/18/2023	XX	LFLD1X03C	964	7	24.5					342	5	500	1	
8/1/2023	XX	LFXXXX0B4	568	6.6	23.2					266	3	225	15.9	
8/16/2023	XX	LFLD1X0A8	1275	6.8	22.8					384	5	350	2.3	
9/8/2023	XX	LFXXXX0CA	966	7.1	24.8					344	6	300	11	
9/19/2023	XX	LFLD1X0BE	855	7	21.9					363	5	350	3	
10/3/2023	XX	LFXXXX079	D	D	D					D	D	D	D	D
10/4/2023	XX	LFXXXX0E2	934	6.9	23.6					338	6	450	5	
10/16/2023	XX	LFLD1X0D6	1083	7	19.3					368	6	350	5	
11/7/2023	XX	LFXXXX0FB	871	6.9	18.9					347	5	350	2.8	
11/20/2023	XX	LFLD1X0EF	1052	7.2	18.1					363	6	350	1.1	
12/4/2023	XX	LFXXXX0H9	1059	7.2	18.2					353	6	350	7.6	
12/18/2023	XX	LFLD1X0GD	1078	7	21.1					364	6	350	3.8	
1/2/2024	XX	LFXXXX0J5	839	7.4	15.9					350	6	400	1.3	
1/15/2024	XX	LFLD1X0I9	1126	6.7	17.3					372	6	350	1.5	
2/6/2024	XX	LFXXXX10E	874	7.3	16.4					351	6	350	10.1	
2/19/2024	XX	LFLD1X0JI	1400	7	18.4					371	6	350	2.5	
3/7/2024	XX	LFXXXX16F	767	7.3	17					333	5	350	8.4	
3/19/2024	XX	LFLD1X15J	972	6.6	19.6					362	6	350	1.3	
4/2/2024	XX	LFXXXX13I	815	7.1	19.7					451	5		0.5	0.035
4/4/2024	XX	LFXXXX18E	898	7.4	18.1					327	6	250	6.6	
4/15/2024	XX	LFLD1X17I	940	7.3	19.6					369	6	350	2	
5/1/2024	XX	LFLD1X199	1103	7.1	22.8					339	5.5	400	1.7	
5/17/2024	XX	LFXXXX1A5	750	7	24.9					340	6	250	0.1 U	
6/4/2024	XX	LFLD1X1AI	789	7.3	24.1					265	5	300	0.1	
6/17/2024	XX	LFXXXX1BG	774	7.2	22.4					294	6	325	0.3	
7/2/2024	XX	LFLD1X22D	750	7	19.8					341	5	350	0.2	
7/15/2024	XX	LFXXXX239	899	7	21.4					314	6	150	0.7	0.035
7/16/2024	XX	LFXXXX1F4	883	6.8	23					422	5.5		0.3	0.035

(LF-LD-11)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/31/2024	XX	LFXXXX23K	831	7.1	20.6					355	6	150	0.8	
8/14/2024	XX	LFLD1X243	901	6.9	22.4					376	5	200	0.4	0.0247
8/28/2024	XX	LFXXXX24J	935	7.1	21.8					291	5	200	0.9	0.0245
9/9/2024	XX	LFLD1X25D	916	7.2	19.9					364	5	200	0.5	0.0243
9/27/2024	XX	LFXXXX269	938	6.9	22.4					364	5	200	0.3	0.0238
10/8/2024	XX	LFXXXX20B	953	6.6	18.9					456	4.4		0.2	0.0076
10/11/2024	XX	LFLD1X272	978	7	21.1					360	4	113	0.5	0.0236
10/22/2024	XX	LFXXXX27I	943	7.1	21.9					376	6	250	0.1 U	0.0236
11/8/2024	XX	LFLD1X28J	907	7	19.9					370	5	200	0.1	0.0234
11/20/2024	XX	LFXXXX29F	909	7.1	21.1					366	6	225	0.1 U	0.0234
12/4/2024	XX	LFLD1X2A8	899	7.3	22.7					350	8	113	0.1 U	0.0232
12/16/2024	XX	LFXXXX2B4	851	7.2	22.1					305	8	200	0.2	0.0232

LF-LD-12

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/7/2021	XX	LFXXXXDG8	444	4.3	17.7					252	3.7		2.3	
7/13/2021	XX	LFXXXXE1D	369	6	19.9					306	0.8		0.2	
8/3/2021	XX	LFXXXXEG9	639	6.3	23.9					389	3	300	6.2	
8/18/2021	XX	LFLD12EGF	689	6.2	22.1					347	1	350	8.8	
8/30/2021	XX	LFLD12EGJ	700	6.5	22.2					340	5	350	3.2	
9/18/2021	XX	LFXXXXEEB	737	6.4	21					317	2	350	2	
10/5/2021	XX	LFXXXXE89	563	6.3	16.8					212	1.3		0.3	0.0245
10/23/2021	XX	LFLD12EGL	F6	F6	F6					F6	F6		F6	F6
11/7/2021	XX	LFXXXXEI7	528	6.1	19.7					357	2	250	6	
11/20/2021	XX	LFXXXXEIA	587	6.2	17.2					334	2	300	4.2	
12/4/2021	XX	LFXXXXEJ9	615	6.2	17.4					131	2	250	5.3	
12/18/2021	XX	LFXXXXEJD	573	6	17.8					111	2	255	7.2	
1/4/2022	XX	LFXXXXF55	506	6.2	17.1					164	1	160	15.3	
1/16/2022	XX	LFXXXXF78	528	6.5	15.4					363	5	340	4.9	
2/7/2022	XX	LFXXXXF65	504	6.7	18					211	6	250	3	
2/16/2022	XX	LFXXXXF7A	544	6.8	16.1					352	6	250	14.2	
3/7/2022	XX	LFXXXXF75	627	6.6	19.2					223	7	200	10.8	
3/20/2022	XX	LFXXXXF7C	621	6.3	18.4					74	4	475	47.8	
4/1/2022	XX	LFXXXXFCG	581	6.4	19.8					121	4	250	5.6	
4/15/2022	XX	LFXXXXFDJ	497	6.4	19.8					257	3	250	10.2	
4/28/2022	XX	LFXXXXF2F	470	6.2	17.2					220	1.2		2.2	0.0203
5/10/2022	XX	LFXXXXFDG	547	6.5	21.1					235	4	275	6.5	
5/25/2022	XX	LFXXXXFE2	577	6.4	20.4					202	2	275	2.3	
6/7/2022	XX	LFXXXXFF6	528	6.5	21.3					298	6	250	1.9	
6/20/2022	XX	LFXXXXFGF	529	6.5	18.3					290	3	250	1.1	
7/1/2022	XX	LFXXXXFG6	539	6.4	23.3					243	3	325	1.4	
7/19/2022	XX	LFXXXXFAA	490	6.2	21.8					226	0.9		0.6	0.0207
7/21/2022	XX	LFXXXXFHE	545	6.6	23					238	4	350	1.4	
8/8/2022	XX	LFXXXXG3F	531	6.7	19.3					313	5	350	3.3	
8/22/2022	XX	LFXXXXG54	525	6.9	19.1					303	5	325	3.4	
9/2/2022	XX	LFXXXXG6D	553	6.4	20.6					327	5	250	2	
9/15/2022	XX	LFXXXXG67	539	6.8	19.6					335	5	275	1.8	
10/4/2022	XX	LFXXXXG0E	459	6.4	19.9					337	2.4		0.8	
10/6/2022	XX	LFXXXXG99	526	6.4	19.1					319	4	300	2.5	
10/24/2022	XX	LFXXXXG9F	574	6.6	19.7					325	4	250	2	
11/4/2022	XX	LFXXXXGB0	554	6.1	17.6					279	4	200	2.3	

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-LD-12)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
11/21/2022	XX	LFXXXXGB6	569	6.6	17.6					331	5	350	2.9	
12/5/2022	XX	LFXXXXGD5	550	6.2	15.8					281	4	200	2.4	
12/26/2022	XX	LFXXXXGDB	565	6.7	16.1					326	6	300	3	
1/4/2023	XX	LFXXXXGEH	532	6.2	15.3					341	6	250	1.3	
1/19/2023	XX	LFXXXXGF3	545	6.7	16.9					377	5	200	3	
2/1/2023	XX	LFXXXXGG8	580	6.8	16.7					346	5	250	2.5	
2/15/2023	XX	LFXXXXGGE	599	6.6	19.8					349	5	250	2.9	
3/1/2023	XX	LFXXXXH3C	573	6.7	17.2					405	6	200	3.2	
3/15/2023	XX	LFXXXXH3I	601	6.6	20.3					317	5	250	1.1	
4/3/2023	XX	LFXXXXH59	595	6.8	19.3					340	5	250	6.8	
4/12/2023	XX	LFXXXXH53	674	6.5	21.6					304	6	250	4.6	
4/18/2023	XX	LFXXXXH05	492	7	17					255	0.8		0.4	0.0176
5/3/2023	XX	LFXXXXH71	568	6.6	20.2					294	6	250	4.3	
5/16/2023	XX	LFXXXXH76	644	6.3	21.2					315	5	250	2.2	
6/6/2023	XX	LFXXXX034	300	6.1	21.2					281	6	250	13.2	
6/20/2023	XX	LFXXXX039	351	6.3	21.6					302	5	150	2.1	
7/6/2023	XX	LFXXXX049	568	6.4	25.7					290	5	225	0.8	
7/11/2023	XX	LFXXXX006	486	6.1	22.6					252	1.9		0.3	0.0203
7/18/2023	XX	LFXXXX04E	517	6.6	25					281	4	250	3.1	
8/1/2023	XX	LFXXXX0B5	552	6.6	23.5					240	4	200	8	
8/16/2023	XX	LFXXXX0BA	690	6.4	23.6					264	5	250	4.5	
9/8/2023	XX	LFXXXX0CG	613	6.7	25.9					282	5	300	4.9	
9/19/2023	XX	LFXXXX0CB	454	6.5	22.7					253	6	275	5.5	
10/3/2023	XX	LFXXXX07A	504	6.3	22.6					392	1.2		0.4	0.0207
10/4/2023	XX	LFXXXX0E3	547	6.3	24.1					285	5	250	12.1	
10/16/2023	XX	LFXXXX0E8	1281	6.7	20.9					156	5	400	10.9	
11/7/2023	XX	LFXXXX0FC	1410	6.3	20.3					192	6	350	3.9	
11/20/2023	XX	LFXXXX0FH	1257	6.5	19.4					195	5	300	3.2	
12/4/2023	XX	LFXXXX0HA	1197	6.6	18.2					205	5	350	7.1	
12/18/2023	XX	LFXXXX0HF	1096	6.5	21.1					217	5	350	14.2	
1/2/2024	XX	LFXXXX0J6	1205	6.7	17.6					218	4	350	5.6	
1/15/2024	XX	LFXXXX0JB	1259	6.2	18.9					229	5	350	10.3	
2/6/2024	XX	LFXXXX10F	1138	6.7	18.2					234	6	350	23.9	
2/19/2024	XX	LFXXXX110	1318	6.4	19.9					212	6	300	5.2	
3/7/2024	XX	LFXXXX171	898	6.5	19.2					236	5	300	17	
3/19/2024	XX	LFXXXX16G	972	6.5	20.4					245	5	350	15.1	
4/2/2024	XX	LFXXXX13J	867	6.2	21.4					330	1.8		0.3	0.0205
4/4/2024	XX	LFXXXX18F	909	6.7	17.9					228	6	300	12.9	
4/15/2024	XX	LFXXXX190	905	6.8	19.9					237	5	250	13.9	
5/1/2024	XX	LFXXXX1A6	890	6.5	22.6					240	6	300	12.1	
5/17/2024	XX	LFXXXX1AB	787	6.6	25.3					296	6	200	0.7	
6/4/2024	XX	LFXXXX1BH	767	6.5	24.3					311	5	325	4.3	
6/17/2024	XX	LFXXXX1C2	P2	P2	P2					P2	P2	P2	P2	
7/2/2024	XX	LFXXXX23A	800	6.3	19.8					244	4	125	20.1	
7/15/2024	XX	LFXXXX23F	874	6.5	21.4					282	5	150	54.9	0.0352
7/16/2024	XX	LFXXXX1F5	920	6.2	23.9					233	2.5		0.3	0.035
7/31/2024	XX	LFXXXX23L	840	6.4	19.8					245	6	175	17.4	
8/14/2024	XX	LFXXXX250	893	6.2	21.8					398	4	100	22.4	0.0201
8/28/2024	XX	LFXXXX255	894	6.4	20.7					344	4	200	21.3	0.0205

(LF-LD-12)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
9/9/2024	XX	LFXXXX26A	820	6.6	20.3					279	4	200	15.2	0.0205
9/27/2024	XX	LFXXXX26F	901	6.4	22.9					250	4	150	3.9	0.0205
10/8/2024	XX	LFXXXX20C	908	6	20.4					291	5.6		0.4	0.0207
10/11/2024	XX	LFXXXX27J	964	6.5	20.2					261	4	125	4.7	0.0203
10/22/2024	XX	LFXXXX284	865	6.5	22.7					239	3	200	0.3	0.0205
11/8/2024	XX	LFXXXX29G	897	6.4	20.6					248	4	175	6.6	0.0205
11/20/2024	XX	LFXXXX2A1	859	6.5	20.2					248	4	175	12.9	0.0205
12/4/2024	XX	LFXXXX2B5	902	6.6	22.4					368	5	150	9.6	0.0205
12/16/2024	XX	LFXXXX2BA	871	6.8	21.6					325	5	175	6	0.0207

LF-LD-13

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
9/14/2021	XX	LFXXXXEE7	373	7	21					346	7	75	209	
10/7/2021	XX	LFXXXXEF6	381	7	22.7					361	8	70	1.4	
10/23/2021	XX	LFLD13EGM	305	6.7	18.6					349	4	90	3.1	
11/7/2021	XX	LFXXXXEI4	226	6.3	19					343	4	85	9.2	
11/20/2021	XX	LFXXXXEIB	234	6.7	17.3					321	4	80	1.3	
12/4/2021	XX	LFXXXXEJ6	275	6.7	17.2					148		125	0.9	
12/18/2021	XX	LFXXXXEJC	264	6.6	17.8					123	5	90	1.1	
1/4/2022	XX	LFXXXXF52	230	6.7	16.9					164	5	100	1.2	
1/16/2022	XX	LFXXXXF79	261	6.8	15.6					359	6	75	2.3	
2/7/2022	XX	LFXXXXF62	233	6.9	17.2					197	5	100	1.8	
2/16/2022	XX	LFXXXXF7B	243	7	17.1					345	9	85	1.7	
3/7/2022	XX	LFXXXXF72	185	6.8	19.1					224	6	90	2	
3/20/2022	XX	LFXXXXF7D	340	6.7	18.7					115		125	2.6	
4/1/2022	XX	LFXXXXFCD	341	6.7	19.8					140	5	150	1.1	
4/15/2022	XX	LFXXXXFE0	328	6.7	19.8					273	5	130	2	
4/28/2022	XX	LFXXXXF47	214	6.7	27.9					229	3.6		0.8	0.0158
5/10/2022	XX	LFXXXXFDD	269	6.9	20.6					242	5	100	1.1	
5/25/2022	XX	LFXXXXFE1	244	6.6	20.2					238	4	90	0.8	
6/7/2022	XX	LFXXXXFF3	282	6.7	21.4					286	5	100	0.9	
6/20/2022	XX	LFXXXXFF4	256	6.7	18.2					287	5	100	0.9	
7/1/2022	XX	LFXXXXFG3	308	6.6	22.8					253	4	125	0.4	
7/19/2022	XX	LFXXXXFB4	320	6.2	21.6					273	1.3		0.8	0.0131
7/21/2022	XX	LFXXXXFHB	330	6.5	23.1					257	5	250	1.2	
8/8/2022	XX	LFXXXXG3C	276	7	19.4					267	5	125	9.8	
8/22/2022	XX	LFXXXXG56	290	7	19.2					285	5	175	7.8	
9/2/2022	XX	LFXXXXG64	349	6.3	20.4					317	5	175	1.8	
9/15/2022	XX	LFXXXXG4B	376	6.7	20.1					332	5	200	2.2	
10/4/2022	XX	LFXXXXG20	292	7.2	19.8					320	4.8		0.5	
10/6/2022	XX	LFXXXXG96	339	6.5	19.4					304	5	175	1.1	
10/24/2022	XX	LFXXXXG88	333	6.7	19.7					265	5	125	4.7	
11/4/2022	XX	LFXXXXGAH	346	6.1	17.1					291	5	200	3.9	
11/21/2022	XX	LFXXXXG9J	316	6.6	18					318	6	175	12.1	
12/5/2022	XX	LFXXXXGD2	342	6.2	15.8					295	6	200	3.8	
12/26/2022	XX	LFXXXXGC4	323	6.7	16.1					321	6	175	9.4	
1/4/2023	XX	LFXXXXGEE	299	6.2	15.4					354	6	115	0.4	
1/19/2023	XX	LFXXXXGDG	315	6.6	17.5					374	6	100	1	
2/1/2023	XX	LFXXXXGG5	333	6.8	17.6					347	6	100	0.4	
2/15/2023	XX	LFXXXXGF7	340	6.5	20.4					351	6	115	0.9	
3/1/2023	XX	LFXXXXH39	328	6.7	18					404	6	125	2.5	

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-LD-13)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
3/15/2023	XX	LFXXXXH2B	354	6.7	20.3					316	6	130	1.3	
4/3/2023	XX	LFXXXXH42	383	6.7	20.1					342	6	115	3.8	
4/12/2023	XX	LFXXXXH50	398	6.4	22.3					305	6	125	4	
4/18/2023	XX	LFXXXXH1B	317	6.6	22.3					335	1.6		0.5	0.0147
5/3/2023	XX	LFXXXXH6J	387	6.7	21.2					293	6	175	3.8	
5/16/2023	XX	LFXXXXH63	375	6.3	22.9					322	6	145	1.3	
6/6/2023	XX	LFXXXX032	368	6.7	22.1					262	5	125	0.5	
6/20/2023	XX	LFXXXX026	427	7.1	22.4					301	6	200	2.1	
7/6/2023	XX	LFXXXX047	503	6.8	27.2					249	6	200	1.8	
7/11/2023	XX	LFXXXX010	432	6.4	24.8					298	1.3		0.5	0.0145
7/18/2023	XX	LFXXXX03B	455	6.8	25.7					263	5	200	2.8	
8/1/2023	XX	LFXXXX0B3	458	23.7	6.8					266	5	175	2.3	
8/16/2023	XX	LFXXXX0A7	557	6.5	24.9					260	6	200	6.1	
9/8/2023	XX	LFXXXX0C9	468	6.7	26.3					275	4	175	6.4	
9/19/2023	XX	LFXXXX0BD	354	6.6	22.9					258	6	175	5.5	
10/3/2023	XX	LFXXXX08G	373	6.1	24.4					317	1.8		0.3	0.0145
10/4/2023	XX	LFXXXX0E1	425	6.3	25					282	6	150	7.2	
10/16/2023	XX	LFXXXX0D5	432	6.8	20.3					249	6	180	7.8	
11/7/2023	XX	LFXXXX0FA	447	6.4	21.2					235	5	150	5.6	
11/20/2023	XX	LFXXXX0EE	447	6.6	20					230	6	175	4.4	
12/4/2023	XX	LFXXXX0H8	439	6.6	19.8					252	6	250	2	
12/18/2023	XX	LFXXXX0GC	462	6.8	21.3					187	4	175	11.7	
1/2/2024	XX	LFXXXX0I8	542	6.8	18.9					244	5	175	2	
1/15/2024	XX	LFXXXX0J4	565	6.6	18.8					171	5	250	7.5	
2/6/2024	XX	LFXXXX10D	560	6.7	19.6					277	6	200	4.2	
2/19/2024	XX	LFXXXX0JH	690	6.5	20.9					247	6	200	6.6	
3/7/2024	XX	LFXXXX16E	484	6.6	19.6					248	5	175	6.8	
3/19/2024	XX	LFXXXX15I	512	6.8	20.4					229	6	175	4.5	
4/2/2024	XX	LFXXXX154	528	6.3	24.1					292	2.1		0.2	0.0147
4/4/2024	XX	LFXXXX17H	582	6.7	19.2					253	5	200	1.7	
4/15/2024	XX	LFXXXX18D	535	6.9	20.8					211	5	200	9	
5/1/2024	XX	LFXXXX198	550	6.4	23.1					228	5	190	5.4	
5/17/2024	XX	LFXXXX1A4	460	6.8	24.9					283	5	175	15	
6/4/2024	XX	LFXXXX1AH	470	6.6	24.3					314	5	175	2.6	
6/17/2024	XX	LFXXXX1BF	487	6.6	22.9					278	5	150	5.6	
7/2/2024	XX	LFXXXX22C	459	6.5	19.8					262	5	125	7.2	
7/15/2024	XX	LFXXXX238	566	6.5	21.4					272	5	125	4	0.0147
7/16/2024	XX	LFXXXX1FJ	545	6.1	23.9					310	1.1		0.2	0.0082
7/17/2024	XX	LFXXXX1H7	153	6.1	25.4					714	3.7		0.2	0.008
7/31/2024	XX	LFXXXX23M	499	6.6	19.7					275	5	125	4.4	
8/14/2024	XX	LFXXXX242	530	6.4	21.2					364	5	100	3.7	0.0105
8/28/2024	XX	LFXXXX24I	556	6.3	20.4					347	3	150	2.1	0.0102
9/9/2024	XX	LFXXXX25C	527	6.6	20.4					265	4	113	2.2	
9/27/2024	XX	LFXXXX268	568	6.5	22.5					279	4	175	0.8	0.0107
10/8/2024	XX	LFXXXX21H	535	6.1	22.2					249	6.3		0.5	0.0107
10/11/2024	XX	LFXXXX271	626	6.5	20.6					266	3	125	1.6	0.0111
10/22/2024	XX	LFXXXX27H	597	6.6	22.7					219	3	150	0.4	0.0109
11/8/2024	XX	LFXXXX28I	583	6.5	20.6					236	3	125	0.7	0.0109
11/20/2024	XX	LFXXXX29E	577	6.6	20.8					267	4	125	0.7	0.0111

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-LD-13)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
12/4/2024	XX	LFXXXX2A7	550	6.8	23.2					338	6	100	0.1 U	0.0111
12/16/2024	XX	LFXXXX2B3	463	6.7	20.8					331	5	125	1.6	0.0109

LF-LD-14

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/26/2022	XX	LFXXXXFHF	397	7	22.2					288	6	200	2.1	
8/8/2022	XX	LFXXXXG4H	419	7.3	18.9					268	6	225	5.5	
8/22/2022	XX	LFXXXXG58	436	7.1	19					294	5	250	5.2	
9/2/2022	XX	LFXXXXG6F	477	7	19.6					183	5	200	18.3	
9/15/2022	XX	LFXXXXG6A	483	7	20.1					187	6	200	15.8	
10/4/2022	XX	LFXXXXG29	407	6.8	14.3					308	3.1		2.6	
10/6/2022	XX	LFXXXXG9H	319	6.5	19.3					294	6	200	11.8	
10/24/2022	XX	LFXXXXG9C	470	7.1	19.5					252	6	225	14	
11/4/2022	XX	LFXXXXGB3	472	6.6	17.2					274	6	275	2.8	
11/21/2022	XX	LFXXXXGB8	466	7	18.1					298	5	200	4.7	
12/5/2022	XX	LFXXXXGD8	469	6.7	15.8					277	6	275	2.7	
12/26/2022	XX	LFXXXXGDD	471	7.1	16.1					300	6	200	4.5	
1/4/2023	XX	LFXXXXGF0	491	6.9	16					335	6	250	20.9	
1/19/2023	XX	LFXXXXGF5	496	7.3	17.2					377	6	225	19.3	
2/1/2023	XX	LFXXXXGGB	508	7.4	16.7					350	6	150	18.8	
2/15/2023	XX	LFXXXXGGG	526	7.3	19.6					336	6	250	14.3	
3/1/2023	XX	LFXXXXH3F	519	7.4	17.6					399	6	200	14.5	
3/15/2023	XX	LFXXXXH40	515	7.4	19.3					313	6	225	10.7	
4/3/2023	XX	LFXXXXH5B	548	7.4	19.2					346	6	250	16.5	
4/12/2023	XX	LFXXXXH56	557	7.3	20.8					297	6	250	14.3	
4/18/2023	XX	LFXXXXH1F	448	6.9	15.1					265	4.1		0.5	0.0045
5/3/2023	XX	LFXXXXH77	535	7.3	20.9					282	6	300	16.8	
5/16/2023	XX	LFXXXXH73	622	7	21.2					309	6	250	8.8	
6/6/2023	XX	LFXXXX036	590	7.3	21.6					238	6	250	21.6	
6/20/2023	XX	LFXXXX03A	569	7.3	21.4					245	6	250	11.9	
7/6/2023	XX	LFXXXX04F	633	7.1	27.6					254	6	200	7.4	
7/11/2023	XX	LFXXXX01G	565	6.5	22.6					308	1.8		0.8	0.0143
7/18/2023	XX	LFXXXX04B	670	7	25.6					239	5	400	5.4	
8/1/2023	XX	LFXXXX0BB	648	7	23.9					213	6	350	7.7	
8/16/2023	XX	LFXXXX0B7	803	6.7	24.4					192	5	300	12.1	
9/8/2023	XX	LFXXXX0CD	714	7	26.8					173	5	350	15.4	
9/19/2023	XX	LFXXXX0CH	619	6.9	23.7					204	5	300	7.9	
10/3/2023	XX	LFXXXX08I	699	6.5	22.8					294	2.3		0.2	0.0147
10/4/2023	XX	LFXXXX0E5	716	6.7	25.4					137	5	350	44.6	
10/16/2023	XX	LFXXXX0E9	708	7.1	20.4					182	5	350	17.3	
11/7/2023	XX	LFXXXX0FI	636	6.6	22.1					215	5	350	6.5	
11/20/2023	XX	LFXXXX0FE	651	6.7	20.4					206	6	300	6.2	
12/4/2023	XX	LFXXXX0HC	647	6.8	19.6					225	6	350	4.7	
12/18/2023	XX	LFXXXX0HG	724	6.9	20.9					201	5	400	7	
1/2/2024	XX	LFXXXX0J8	723	6.9	19.4					178	5	350	12.9	
1/15/2024	XX	LFXXXX0JC	763	6.7	17.9					182	5	400	3.8	
2/6/2024	XX	LFXXXX10H	798	7	18.3					207	5	400	10.1	
2/19/2024	XX	LFXXXX111	1009	6.7	19.7					174	5	350	24.2	
3/7/2024	XX	LFXXXX172	465	6.7	19					209	6	250	11.2	
3/19/2024	XX	LFXXXX16I	718	6.9	20.6					198	6	350	9.1	
4/2/2024	XX	LFXXXX156	673	6.7	20.2					307	4.2		0.3	0.0022

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-LD-14)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/4/2024	XX	LFXXXX18H	769	6.9	18.6					197	5	350	19.3	
4/15/2024	XX	LFXXXX191	756	7.1	20.4					204	5	350	12.8	
5/1/2024	XX	LFXXXX1A8	892	6.9	22.3					188	6	400	13.3	
5/17/2024	XX	LFXXXX1AC	700	6.9	25.4					289	6	350	0.8	
6/4/2024	XX	LFXXXX1BJ	703	6.9	24.3					313	5	200	2.7	
6/17/2024	XX	LFXXXX1C3	705	6.8	22.6					283	5	250	24.2	
7/2/2024	XX	LFXXXX23C	648	6.7	19.9					232	5	250	24.5	
7/15/2024	XX	LFXXXX23G	763	6.6	21.4					236	5	225	2.7	0.0038
7/16/2024	XX	LFXXXX1GE	761	6.5	24.5					302	3		0.2	0.0036
7/31/2024	XX	LFXXXX23N	772	6.8	19.8					263	5	250	32.1	
8/14/2024	XX	LFXXXX252	787	6.6	21.2					345	5	200	25	0.0036
8/28/2024	XX	LFXXXX256	779	6.6	20.5					335	5	200	21.9	0.0129
9/9/2024	XX	LFXXXX26C	854	6.9	20.5					256	4	225	20.9	0.01
9/27/2024	XX	LFXXXX26G	777	6.8	22.1					223	5	175	6.2	0.0105
10/8/2024	XX	LFXXXX21J	741	6.4	20.6					283	6.4		0.4	0.0102
10/11/2024	XX	LFXXXX281	836	6.8	20.9					230	4	150	7.6	0.0102
10/22/2024	XX	LFXXXX285	826	6.9	21.7					166	4	250	31.5	0.105
11/12/2024	XX	LFXXXX29I	780	6.9	18.3					187	4	200	26.5	0.0096
11/20/2024	XX	LFXXXX2A2	815	6.9	20.9					278	5	225	28.3	0.0102
12/4/2024	XX	LFXXXX2B7	735	6.9	22.8					345	6	175	8	0.01
12/16/2024	XX	LFXXXX2BB	731	6.9	20.6					219	5	225	93.9	0.0094

LF-LD-15

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/18/2023	XX	LFXXXX04G	307	7.8	25.3					335	5	150	11.8	
9/27/2023	XX	LFXXXX0CI	605	7.5	20.6					353	6	160	22.9	
10/3/2023	XX	LFXXXX0A3	384	7	18.7					260	4.2		0.4	0.0145
10/4/2023	XX	LFXXXX0EA	761	7.5	23.9					87	5	175	12.8	
10/16/2023	XX	LDXXXX0ED	398	7.7	18.9					223	6	175	11.5	
11/7/2023	XX	LFXXXX0FJ	580	7.5	20.6					63	5	200	5.4	
11/20/2023	XX	LFXXXX0G3	460	7.5	18.8					201	6	225	9	
12/4/2023	XX	LFXXXX0HH	464	7.5	18.6					209	6	250	4.4	
12/18/2023	XX	LFXXXX0I0	510	7.4	19.7					239	6	250	8.1	
1/2/2024	XX	LFXXXX0JD	504	7.5	17.8					180	6	250	5.1	
1/15/2024	XX	LFXXXX0JG	336	7.3	15.9					172	6	250	2.3	
2/6/2024	XX	LFXXXX115	581	7.6	16.6					259	5	350	4.6	
2/19/2024	XX	LFXXXX112	738	7.4	15.6					191	6	350	7.7	
3/7/2024	XX	LFXXXX176	495	7.1	17.3					175	5	225	5.7	
3/19/2024	XX	LFXXXX173	591	7.2	16.7					235	6	250	2	
4/2/2024	XX	LFXXXX15H	557	6.9	14.5					291	4.8		0.1	0.0022
4/4/2024	XX	LFXXXX192	613	7.3	15.7					220	6	250	7	
4/15/2024	XX	LFXXXX195	604	7.3	16.9					141	5	250	4.6	
5/1/2024	XX	LFXXXX1AD	657	7.2	19.7					212	6	350	5	
5/17/2024	XX	LFXXXX1AG	529	7.3	24.9					288	6	250	0.3	
6/4/2024	XX	LFXXXX1C4	714	6.5	24.7					321	4	350	0.4	
6/17/2024	XX	LFXXXX1C7	788	6.3	22.6					292	4	350	1.1	
7/2/2024	XX	LFXXXX23H	759	6.3	20.1					262	4	250	0.4	
7/15/2024	XX	LFXXXX241	921	6.3	21.4					276	5	250	0.8	0.0149
7/16/2024	XX	LFXXXX1H2	925	6.1	18.7					373	7.6		0.3	0.0022
7/31/2024	XX	LFXXXX23P	894	6.6	20.2					278	5	225	7.5	
8/14/2024	XX	LFXXXX257	872	6.7	21.2					348	5	175	1.9	0.0149

DATA SUMMARY TABLE

Field Parameters

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-LD-15)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
8/28/2024	XX	LFXXXX25A	863	6.7	20.6					329	5	200	0.9	0.0149
9/9/2024	XX	LFXXXX26H	901	7.1	20.3					274	6	250	1.5	0.015
9/27/2024	XX	LFXXXX270	915	6.7	21.7					113	4	225	4.6	0.0149
10/8/2024	XX	LFXXXX227	851	6.2	15.6					494	6.4		0.4	0.0149
10/11/2024	XX	LFXXXX286	981	6.7	20.1					114	5	150	3.8	0.0149
10/22/2024	XX	LFXXXX289	927	6.8	20.9					117	4	175	2.3	
11/8/2024	XX	LFXXXX2A3	924	6.8	19.4					104	4	150	3.4	0.0149
11/20/2024	XX	LFXXXX2A6	871	6.9	20.8					118	3	200	11.3	0.0149
12/4/2024	XX	LFXXXX2BC	878	7.1	22.6					295	5	200	9.9	0.0149
12/16/2024	XX	LFXXXX2BF	773	7	20.6					266	4	175	3.1	0.01493

LF-UD-1

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/3/2015	XX	LFUD1X76H	329	7.9	13.8					384	5.5	140	0.46	0.0006
2/21/2015	XX	LFUD1X778	267	7.6	17.9					377	5.5	150	0.3	0.0003
3/28/2015	XX	LFUD1X7A6	339	6.9	13.4					404	5.5	160	0.4	0.0003
4/16/2015	XX	LFUD1X7AJ	306	7.1	17.6					384	7	150	0.83	0.0006
4/28/2015	XX	LFUD1X792	401	7.4	16.6					300	6.1		1.8	0.0022
5/22/2015	XX	LFUD1X7F4	197	7.4	18.8					373	8	150	0.5	0.0002
6/22/2015	XX	LFUD1X7EC	333	7.8	23.2					326	9	165	0.4	0.0002
7/14/2015	XX	LFUD1X7CE	411	6.9	20.7					313	4.5		0.5	0.002
7/23/2015	XX	LFUD1X7FG	330	7.4	23.3					367	6	135	0.7	0.0002
8/24/2015	XX	LFUD1X7G8	354	7.1	21.1					364	8	195	0.5	0.0001
9/26/2015	XX	LFUD1X801	425	7.3	21.3					365	7	200	0.1	F14
10/27/2015	XX	LFUD1X7I3	F6	F6	F6					F6	F6		F6	F6
10/31/2015	XX	LFUD1X80D	378	8.1	16.1					339	8	170	0.6	0.0002
11/27/2015	XX	LFUD1X815	326	6.8	15.2					376	9	185	0.2	0.0002
12/30/2015	XX	LFUD1X81I	332	7.2	11.2					362	9	180	0.7	0.0002
1/14/2016	XX	LFUD1X82A	347	6.9	9.2					338	7	180	1.2	0.0002
2/18/2016	XX	LFUD1X882	338	8	10.6					357	8	170	0.1	0.0003
3/17/2016	XX	LFUD1X88E	341	6.8	13.3					342	9	180	0.7	0.0003
4/5/2016	XX	LFUD1X86D	404	8.1	15.1					342	6.7		0.8	0.0022
4/21/2016	XX	LFUD1X896	344	6.8	15.8					297	8	145	0.5	0.0004
5/26/2016	XX	LFUD1X8CC	341	7.6	17.7					309	8	175	0.2	0.0002
6/27/2016	XX	LFUD1X8DG	382	6.7	20.6					433	8	175	0.9	0.0007
7/20/2016	XX	LFUD1X8F0	330	7.1	22.1					328	7	175	0.4	0.00006
7/26/2016	XX	LFUD1X8B3	I	I	I					I	I		I	I
8/29/2016	XX	LFUD1X90B	F6	F6	F6					F6	F6		F6	F6
9/23/2016	XX	LFUD1X93A	F6	F6	F6					F6	F6		F6	F6
10/25/2016	XX	LFUD1X8J2	F6	F6	F6					F6	F6		F6	F6
10/31/2016	XX	LFUD1X944	H8	H8	H8					H8	H8		H8	H8
11/29/2016	XX	LFUD1X94J	H8	H8	H8					H8	H8	H8	H8	H8
12/13/2016	XX	LFUD1X95C	H8	H8	H8					H8	H8	H8	H8	H8
1/10/2017	XX	LFUD1X99B	H8	H8	H8					H8	H8	H8	H8	H8
2/8/2017	XX	LFUD1X9A4	H8	H8	H8					H8	H8	H8	H8	H8
3/3/2017	XX	LFUD1X9AH	H8	H8	H8					H8	H8	H8	H8	H8
4/5/2017	XX	LFUD1X98I	H8	H8	H8					H8	H8	H8	H8	H8
4/18/2017	XX	LFUD1X978	378	7.3	14					322	8.2		0.8	0.0006
5/25/2017	XX	LFUD1X9BA	342	7.12	16.7					425	8	125	0.2	0.0003
6/16/2017	XX	LFUD1X9EB	380	7.8	16.4					356	8	195	0.4	0.0003
7/25/2017	XX	LFUD1X9D6	423	8.1	20					312	5.9		0.5	0.0006

(LF-UD-1)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/31/2017	XX	LFUD1X9F4	H8	H8	H8					H8	H8	H8	H8	H8
8/31/2017	XX	LFUD1X9IE	479	6.9	20.2					386	7	180	0.3	0.0002
9/28/2017	XX	LFUD1X9J6	H8	H8	H8					H8	H8	H8	H8	H8
10/25/2017	XX	LFUD1X9H1	F6	F6	F6					F6	F6	F6	F6	F6
10/26/2017	XX	LFUD1X9JI	H8	H8	H8					H8	H8	H8	H8	H8
11/30/2017	XX	LFUD1XA0A	444	7.3	11.8					401	6	175	0.3	0.00014
12/27/2017	XX	LFUD1XA13	424	7.2	10.9					422	8	200	0.4	0.0003
1/19/2018	XX	LFUD1XA49	437	7.8	6.8					408	10	200	0.5	0.00007
2/22/2018	XX	LFUD1XA52	384	7.2	6					389	10	150	7.6	0.00006
3/24/2018	XX	LFUD1XA8I	374	7.4	8.4					428	8	145	1.3	0.00007
4/3/2018	XX	LFUD1XA30	418	7.8	9					472	11		1.1	0.00167
4/28/2018	XX	LFUD1XA9B	352	8	15.6					370	10	125	0.5	0.00019
5/11/2018	XX	LFUD1XAA4	378	7.6	14.3					434	7	125	0.1	0.00019
6/2/2018	XX	LFUD1XAD8	370	8	18.2					363	8	150	1.1	0.00014
7/2/2018	XX	LFUD1XAI8	397	7.9	20.2					355	7	160	0.9	0.00002
7/17/2018	XX	LFUD1XAC1	F6	F6	F6					F6	F6	F6	F6	F6
8/17/2018	XX	LFUD1XAJ3	H8	H8	H8					H8	H8	H8	H8	H8
9/1/2018	XX	LFUD1XB29	H8	H8	H8					H8	H8	H8	H8	H8
10/2/2018	XX	LFUD1XB0J	F6	F6	F6					F6	F6	F6	F6	F6
10/13/2018	XX	LFUD1XB33	H8	H8	H8					H8	H8	H8	H8	H8
11/2/2018	XX	LFUD1XB3H	H8	H8	H8					H8	H8	H8	H8	H8
12/7/2018	XX	LFUD1XB7G	H8	H8	H8					H8	H8	H8	H8	
1/3/2019	XX	LFUD1XB8A	H8	H8	H8					H8	H8	H8	H8	
2/2/2019	XX	LFUD1XB94	H8	H8	H8					H8	H8	H8	H8	
3/2/2019	XX	LFUD1XB9I	H8	H8	H8					H8	H8	H8	H8	
4/5/2019	XX	LFUD1XBAC	H8	H8	H8					H8	H8	H8	H8	H8
4/23/2019	XX	LFUD1XB5G	354	7	6.9					341	7.6		0.4	0.0006
5/10/2019	XX	LFUD1XBE4	H8	H8	H8					H8	H8		H8	H8
6/24/2019	XX	LFUD1XBEI	H8	H8	H8					H8	H8		H8	H8
7/16/2019	XX	LFUD1XBC8	F6	F6	F6					F6	F6		F6	F6
7/30/2019	XX	LFUD1XBFC	H8	H8	H8					H8	H8		H8	H8
8/20/2019	XX	LFUD1XBG6	H8	H8	H8					H8	H8		H8	H8
9/20/2019	XX	LFUD1XBJJ	H8	H8	H8					H8	H8		H8	H8
10/14/2019	XX	LFUD1XC0D	H8	H8	H8					H8	H8		H8	H8
10/29/2019	XX	LFUD1XBI1	F6	F6	F6					F6	F6		F6	F6
11/27/2019	XX	LFUD1XC17	H8	H8	H8					H8	H8		H8	H8
12/23/2019	XX	LFUD1XC2H	355	8.4	12.4					352	8	120	0.6	0.0006
1/17/2020	XX	LFUD1XC3C	H8	H8	H8					H8	H8	H8	H8	H8
2/4/2020	XX	LFUD1XC47	H8	H8	H8					H8	H8	H8	H8	H8
3/27/2020	XX	LFUD1XCF4	H8	H8	H8					H8	H8	H8	H8	H8
4/28/2020	XX	LFUD1XCD8	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2020	XX	LFUD1XCFI	H8	H8	H8					H8	H8	H8	H8	H8
5/27/2020	XX	LFUD1XCJH	H8	H8	H8					H8	H8	H8	H8	H8
6/28/2020	XX	LFUD1XD0B	H8	H8	H8					H8	H8	H8	H8	H8
7/11/2020	XX	LFUD1XD15	H8	H8	H8					H8	H8	H8	H8	H8
7/21/2020	XX	LFUD1XCI1	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2020	XX	LFUD1XD53	H8	H8	H8					H8	H8	H8	H8	H8
9/27/2020	XX	LFUD1XD5J	H8	H8	H8					H8	H8	H8	H8	H8
10/27/2020	XX	LFUD1XD35	F6	F6	F6					F6	F6	F6	F6	F6

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-1)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/31/2020	XX	LFUD1XD6D	H8	H8	H8					H8	H8	H8	H8	H8
11/29/2020	XX	LFUD1XD77	H8	H8	H8					H8	H8	H8	H8	H8
12/13/2020	XX	LFUD1XD81	H8	H8	H8					H8	H8	H8	H8	H8
1/10/2021	XX	LFUD1XDEF	H8	H8	H8					H8	H8	H8	H8	H8
2/28/2021	XX	LFUD1XDE1	H2	H2	H2					H2	H2	H2	H2	H2
3/30/2021	XX	LFUD1XDFD	H8	H8	H8					H8	H8	H8	H8	H8
4/6/2021	XX	LFUD1XDC7	H8	H8	H8					H8	H8	H8	H8	H8
4/29/2021	XX	LFUD1XDH9	H8	H8	H8					H8	H8	H8	H8	H8
5/19/2021	XX	LFUD1XDI3	H8	H8	H8					H8	H8	H8	H8	H8
6/2/2021	XX	LFUD1XE2E	H8	H8	H8					H8	H8	H8	H8	H8
7/13/2021	XX	LFUD1XDJJ	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2021	XX	LFUD1XE3A	H8	H8	H8					H8	H8	H8	H8	H8
8/3/2021	XX	LFUD1XEFC	H8	H8	H8					H8	H8	H8	H8	H8
9/18/2021	XX	LFUD1XEDE	H8	H8	H8					H8	H8	H8	H8	H8
10/5/2021	XX	LFUD1XE67	F6	F6	F6					F6	F6	F6	F6	F6
10/16/2021	XX	LFUD1XEED	H8	H8	H8					H8	H8	H8	H8	H8
11/20/2021	XX	LFUD1XEHB	H8	H8	H8					H8	H8	H8	H8	H8
12/18/2021	XX	LFUD1XEID	H8	H8	H8					H8	H8	H8	H8	H8
1/16/2022	XX	LFUD1XF49	H8	H8	H8					H8	H8	H8	H8	H8
2/20/2022	XX	LFUD1XF59	H8	H8	H8					H8	H8	H8	H8	H8
3/20/2022	XX	LFUD1XF69	H8	H8	H8					H8	H8	H8	H8	H8
4/15/2022	XX	LFUD1XFC0	H8	H8	H8					H8	H8	H8	H8	H8
4/26/2022	XX	LFUD1XF0J	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2022	XX	LFUD1XFD0	H8	H8	H8					H8	H8	H8	H8	H8
6/7/2022	XX	LFUD1XFEA	H8	H8	H8					H8	H8	H8	H8	H8
7/19/2022	XX	LFUD1XF8H	D	D	D					D	D	D	D	D
7/21/2022	XX	LFUD1XFFA	H8	H8	H8					H8	H8	H8	H8	H8
8/8/2022	XX	LFUD1XG2J	H8	H8	H8					H8	H8	H8	H8	H8
9/2/2022	XX	LFUD1XG5B	H8	H8	H8					H8	H8	H8	H8	H8
10/4/2022	XX	LFUD1XFII	D	D	D					D	D		D	F6
10/6/2022	XX	LFUD1XG8D	H8	H8	H8					H8	H8		H8	H8
11/4/2022	XX	LFUD1XGA4	H8	H8	H8					H8	H8		H8	H8
12/5/2022	XX	LFUD1XGC9	H8	H8	H8					H8	H8		H8	H8
1/4/2023	XX	LFUD1XGE1	H8	H8	H8					H8	H8		H8	H8
2/1/2023	XX	LFUD1XGFC	H8	H8	H8					H8	H8		H8	H8
3/1/2023	XX	LFUD1XH2G	H8	H8	H8					H8	H8		H8	H8
4/3/2023	XX	LFUD1XH47	H8	H8	H8					H8	H8		H8	H8
4/18/2023	XX	LFUD1XGI9	F6	F6	F6					F6	F6		F6	F6
5/3/2023	XX	LFUD1XH66	H8	H8	H8					H8	H8		H8	H8
6/6/2023	XX	LFUD1X029	H8	H8	H8					H8	H8		H8	H8
7/11/2023	XX	LFUD1XH8B	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LFUD1X03E	H8	H8	H8					H8	H8		H8	H8
8/1/2023	XX	LFUD1X0AA	H8	H8	H8					H8	H8		H8	H8
9/8/2023	XX	LFUD1X0BG	H8	H8	H8					H8	H8		H8	H8
10/3/2023	XX	LFUD1X05J	F6	F6	F6					F6	F6		F6	F6
10/4/2023	XX	LFUD1X0D8	H8	H8	H8					H8	H8		H8	H8
11/7/2023	XX	LFUD1X0EH	H8	H8	H8					H8	H8		H8	H8
12/20/2023	XX	LFUD1X0GF	H8	H8	H8					H8	H8		H8	H8
1/2/2024	XX	LFUD1X0IB	H8	H8	H8					H8	H8		H8	H8

(LF-UD-1)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/6/2024	XX	LFUD1X100	H8	H8	H8					H8	H8		H8	H8
3/7/2024	XX	LFUD1X161	H8	H8	H8					H8	H8		H8	H8
4/2/2024	XX	LFUD1X129	D	D	D					D	D		D	D
4/3/2024	XX	LFUD1X180	H8	H8	H8					H8	H8		H8	H8
5/8/2024	XX	LFUD1X19B	H8	H8	H8					H8	H8		H8	H8
6/5/2024	XX	LFUD1X1B1	H8	H8	H8					H8	H8		H8	H8
7/15/2024	XX	LFUD1X22F	H2	H2	H2					H2	H2	H2	H2	H2
7/16/2024	XX	LFUD1X1DB	F6	F6	F6					F6	F6		F6	F6
8/30/2024	XX	LFUD1X245	H8	H8	H8					H8	H8	H8	H8	H8
9/19/2024	XX	LFUD1X25F	H8	H8	H8					H8	H8		H8	H8
10/8/2024	XX	LFUD1X1J2	F6	F6	F6					F6	F6		F6	F6
10/17/2024	XX	LFUD1X274	H8	H8	H8					H8	H8		H8	H8
11/12/2024	XX	LFUD1X291	H8	H8	H8					H8	H8		H8	H8
12/31/2024	XX	LFUD1X2AA	H8	H8	H8					H8	H8		H8	H8

LF-UD-2

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/3/2015	XX	LFUD2X76I	368	8.1	16.1					370	7	160	0	0.0022
2/21/2015	XX	LFUD2X779	306	7.4	18					376	4	150	0.46	0.0022
3/28/2015	XX	LFUD2X7A7	397	6.8	15.1					409	5	150	0.29	0.0022
4/16/2015	XX	LFUD2X7B0	360	7.1	19.2					385	5.5	170	0.84	0.0028
4/28/2015	XX	LFUD2X793	398	7.1	16.4					340	6.8		1.1	0.0033
5/22/2015	XX	LFUD2X7F5	314	7.8	20.4					367	9	170	0.5	0.0017
6/22/2015	XX	LFUD2X7ED	386	8	26.4					284	8	140	0.2	0.0017
7/14/2015	XX	LFUD2X7CF	397	6.9	21.4					303	4.7		0.3	0.0033
7/23/2015	XX	LFUD2X7FH	405	7.2	24.8					375	8	175	0.1	0.0006
8/24/2015	XX	LFUD2X7G9	405	6.9	20.8					372	7	160	0.3	0.0017
9/26/2015	XX	LFUD2X802	411	7.1	21.8					367	7	200	0.1	0.0017
10/27/2015	XX	LFUD2X7I4	403	7.5	14.9					303	5.7		0.5	0.0011
10/31/2015	XX	LFUD2X80E	394	8.2	16.7					335	7	195	0.6	0.002
11/27/2015	XX	LFUD2X816	414	7	18.1					376	7	190	0.01	0.002
12/30/2015	XX	LFUD2X81J	386	7.1	14.7					363	8	190	0.2	0.0011
1/14/2016	XX	LFUD2X82B	406	6.9	11.2					347	6	170	0.01 U	0.0007
2/18/2016	XX	LFUD2X883	393	8.3	18.3					360	8	178	0.01	0.0011
3/17/2016	XX	LFUD2X88F	401	6.9	17.6					345	7	173	0.01	0.0015
4/5/2016	XX	LFUD2X86E	389	8.4	18.8					271	5.6		0.9	0.0045
4/21/2016	XX	LFUD2X897	392	6.9	21.2					239	7	165	0.6	0.0017
5/26/2016	XX	LFUD2X8CD	391	7.8	21.2					308	7	180	0.1	0.0011
6/27/2016	XX	LFUD2X8DH	420	6.8	21.9					554	7	190	0.4	0.0011
7/20/2016	XX	LFUD2X8F1	423	7	22.6					329	7	200	0.02	0.0011
7/26/2016	XX	LFUD2X8B4	447	7.4	22.2					291	4.9		0.4	0.0017
8/29/2016	XX	LFUD2X90C	449	7.02	23.8					332	7		0.5	0.0007
9/23/2016	XX	LFUD2X93B	446	8.03	19.7					298	9		0.4	0.0006
10/25/2016	XX	LFUD2X8J3	458	7.8	13.5					275	6.6		0.8	0.0011
10/31/2016	XX	LFUD2X945	395	8.3	15.1					315	8	100	0.2	0.0006
11/29/2016	XX	LFUD2X950	205	7.24	11.6					369	8	130	0.6	0.0001
12/13/2016	XX	LFUD2X95D	206	8.22	6					353	8	125	1.5	0.0002
1/10/2017	XX	LFUD2X99C	186	7.32	15.6					378	9	135	0.4	0.0003
2/8/2017	XX	LFUD2X9A5	210	8.03	15.5					354	9	130	0.2	0.0011
3/3/2017	XX	LFUD2X9AI	158	7.92	15.7					351	8	155	0.7	0.0002
4/5/2017	XX	LFUD2X98J	213	8.05	18.7					353	7	130	0.4	0.0017

(LF-UD-2)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/18/2017	XX	LFUD2X979	366	8.1	14.5					314	8		0.5	0.0022
5/25/2017	XX	LFUD2X9BB	401	7.1	20.4					408	6	150	0.3	0.0017
6/16/2017	XX	LFUD2X9EC	437	8	18.6					357	7	205	0.3	0.0015
7/25/2017	XX	LFUD2X9D7	418	8.3	21.7					308	5.7		0.3	0.0022
7/31/2017	XX	LFUD2X9F5	334	7	23.6					394	6	190	0.3	0.0011
8/31/2017	XX	LFUD2X9IF	464	7	21.2					402	7	245	0.2	0.0017
9/28/2017	XX	LFUD2X9J7	463	8.1	20.1					355	6	180	0.5	0.0004
10/25/2017	XX	LFUD2X9H2	456	7.2	17.6					379	6.9		2.1	0.0006
10/26/2017	XX	LFUD2X9JJ	499	6.9	18.9					417	5	240	0.8	0.00028
11/30/2017	XX	LFUD2XA0B	427	7.5	13.4					409	7	180	0.3	0.00056
12/27/2017	XX	LFUD2XA14	429	6.9	12.4					426	8	200	0.2	0.0006
1/19/2018	XX	LFUD2XA4A	438	7.9	9					403	8	175	0.9	0.00074
2/22/2018	XX	LFUD2XA53	299	6.9	8					411	8	115	0.2	0.00056
3/24/2018	XX	LFUD2XA8J	453	8	10					427	7	150	2.4	0.00028
4/3/2018	XX	LFUD2XA31	413	7.7	11.6					465	10.2		0.8	0.00446
4/28/2018	XX	LFUD2XA9C	417	8.1	18.1					371	8	150	0.2	0.00074
5/11/2018	XX	LFUD2XAA5	446	8	17.6					420	7	130	0.2	0.00074
6/2/2018	XX	LFUD2XAD9	434	8.1	19.9					365	6	150	0.3	0.00074
7/2/2018	XX	LFUD2XAI9	480	7.9	22.3					356	6	175	0.5	0.0006
7/17/2018	XX	LFUD2XAC2	535	8.1	19					451	4.3		0.8	0.00223
8/17/2018	XX	LFUD2XAJ4	490	7	22.8					342	7	170	0.3	0.0002
9/1/2018	XX	LFUD2XB2A	451	7.8	20					365	8	150	0.7	0.0002
10/2/2018	XX	LFUD2XB10	522	7.8	14.7					443	6.1		0.5	0.00056
10/13/2018	XX	LFUD2XB34	446	6.7	14.9					361	7	175	2.9	0.0002
11/2/2018	XX	LFUD2XB3I	418	7.2	10.9					357	9	180	1.4	0.0002
12/7/2018	XX	LFUD2XB7H	315	8.2	8.6					363	6	180	1.11	0.0002
1/3/2019	XX	LFUD2XB8B	430	6.8	4.4					375	7	135	1.6	0.0003
2/2/2019	XX	LFUD2XB95	341	7.4	3					402	7	150	5.3	0.0002
3/2/2019	XX	LFUD2XB9J	362	7.1	5.1					366	6	175	5.7	0.0002
4/5/2019	XX	LFUD2XBAD	365	7.9	13.9					403	7	150	5.9	0.0001
4/23/2019	XX	LFUD2XB5H	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2019	XX	LFUD2XBE5	307	7	15.1					311	7	175	8.7	0.0002
6/24/2019	XX	LFUD2XBEJ	380	7.4	18.4					357	8	150	0.4	0.0003
7/16/2019	XX	LFUD2XBC9	428	8.1	18.4					383	9.5		0.4	0.0011
7/30/2019	XX	LFUD2XBFD	400	8.2	20.8					334	8	175	0.5	0.0002
8/20/2019	XX	LFUD2XBG7	353	8.2	25.8					339	6	160	0.3	0.0001
9/20/2019	XX	LFUD2XC00	409	7.4	21.5					368	6	150	0.6	0.0017
10/14/2019	XX	LFUD2XC0E	342	8	19.1					339	6	150	0.1	0.0002
10/29/2019	XX	LFUD2XBI2	386	8.1	12.8					214	8.7		2.2	0.0011
11/27/2019	XX	LFUD2XC18	303	8.4	20.9					369	8	125	0.8	0.0002
12/23/2019	XX	LFUD2XC2I	H8	H8	H8					H8	H8	H8	H8	H8
1/17/2020	XX	LFUD2XC3D	339	8.5	11.6					382	10	160	2.3	0.0003
2/4/2020	XX	LFUD2XC48	369	8	13.2					348	10	150	0.4	0.0002
3/27/2020	XX	LFUD2XCF5	302	8.1	12					401	6	175	0.4	0.0009
4/28/2020	XX	LFUD2XCD9	439	7.9	7.3					327	7.9		0.5	0.0006
4/29/2020	XX	LFUD2XCFJ	354	8.1	19					333	6	160	0.1	0.0001
5/27/2020	XX	LFUD2XCJI	400	7.1	18.8					349	6	175	0.3	0.0001
6/28/2020	XX	LFUD2XD0C	347	7.8	22.1					316	5	160	0.2	0.0001
7/11/2020	XX	LFUD2XD16	363	7.3	21.4					357	6	200	1.1	0.0001

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-2)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/21/2020	XX	LFUD2XCI2	429	7.5	17.8					299	8.2		0.8	0.0006
8/3/2020	XX	LFUD2XD54	399	8	22.3					344	8	200	0.3	0.0001
9/27/2020	XX	LFUD2XD60	355	8	18.7					406	6	250	1.1	0.00002
10/27/2020	XX	LFUD2XD36	403	7.3	12					389	7.7		0.4	
10/31/2020	XX	LFUD2XD6E	H8	H8	H8					H8	H8		H8	
11/29/2020	XX	LFUD2XD78	H8	H8	H8					H8	H8		H8	
12/13/2020	XX	LFUD2XD82	H8	H8	H8					H8	H8		H8	
1/10/2021	XX	LFUD2XDEG	H8	H8	H8					H8	H8	H8	H8	H8
2/28/2021	XX	LFUD2XDE2	H2	H2	H2					H2	H2	H2	H2	H2
3/30/2021	XX	LFUD2XDFE	H8	H8	H8					H8	H8	H8	H8	H8
4/6/2021	XX	LFUD2XDC8	H8	H8	H8					H8	H8	H8	H8	H8
4/29/2021	XX	LFUD2XDHA	H8	H8	H8					H8	H8	H8	H8	H8
6/2/2021	XX	LFUD2XE2F	H8	H8	H8					H8	H8	H8	H8	H8
7/13/2021	XX	LFUD2XE00	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2021	XX	LFUD2XE3B	H8	H8	H8					H8	H8	H8	H8	H8
8/3/2021	XX	LFUD2XEFD	H8	H8	H8					H8	H8	H8	H8	H8
9/18/2021	XX	LFUD2XEDF	H8	H8	H8					H8	H8	H8	H8	H8
10/5/2021	XX	LFUD2XE68	F6	F6	F6					F6	F6	F6	F6	F6
10/16/2021	XX	LFUD2XEEE	H8	H8	H8					H8	H8	H8	H8	H8
11/20/2021	XX	LFUD2XEHC	H8	H8	H8					H8	H8	H8	H8	H8
12/18/2021	XX	LFUD2XEIE	H8	H8	H8					H8	H8	H8	H8	H8
1/16/2022	XX	LFUD2XF4A	H8	H8	H8					H8	H8	H8	H8	H8
2/20/2022	XX	LFUD2XF5A	H8	H8	H8					H8	H8	H8	H8	H8
3/20/2022	XX	LFUD2XF6A	H8	H8	H8					H8	H8	H8	H8	H8
4/15/2022	XX	LFUD2XFC1	H8	H8	H8					H8	H8	H8	H8	H8
4/26/2022	XX	LFUD2XF10	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2022	XX	LFUD2XFD1	H8	H8	H8					H8	H8	H8	H8	H8
6/7/2022	XX	LFUD2XFEB	H8	H8	H8					H8	H8	H8	H8	H8
7/19/2022	XX	LFUD2XF8I	D	D	D					D	D	D	D	D
7/21/2022	XX	LFUD2XFFB	H8	H8	H8					H8	H8	H8	H8	H8
8/8/2022	XX	LFUD2XG30	H8	H8	H8					H8	H8	H8	H8	H8
9/2/2022	XX	LFUD2XG5C	H8	H8	H8					H8	H8	H8	H8	H8
10/4/2022	XX	LFUD2XFIJ	D	D	D					D	D		D	F6
10/6/2022	XX	LFUD2XG8E	H8	H8	H8					H8	H8		H8	H8
11/4/2022	XX	LFUD2XGA5	H8	H8	H8					H8	H8		H8	H8
12/5/2022	XX	LFUD2XGCA	H8	H8	H8					H8	H8		H8	H8
1/4/2023	XX	LFUD2XGE2	H8	H8	H8					H8	H8		H8	H8
2/1/2023	XX	LFUD2XGFD	H8	H8	H8					H8	H8		H8	H8
3/1/2023	XX	LFUD2XH2H	H8	H8	H8					H8	H8		H8	H8
4/3/2023	XX	LFUD2XH48	H8	H8	H8					H8	H8		H8	H8
4/18/2023	XX	LFUD2XGIA	F6	F6	F6					F6	F6		F6	F6
5/3/2023	XX	LFUD2XH67	H8	H8	H8					H8	H8		H8	H8
6/6/2023	XX	LFUD2X02A	H8	H8	H8					H8	H8		H8	H8
7/11/2023	XX	LFUD2XH8C	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LFUD2X03F	H8	H8	H8					H8	H8		H8	H8
8/1/2023	XX	LFUD2X0AB	H8	H8	H8					H8	H8		H8	H8
9/8/2023	XX	LFUD2X0BH	H8	H8	H8					H8	H8		H8	H8
10/3/2023	XX	LFUD2X060	F6	F6	F6					F6	F6		F6	F6
10/4/2023	XX	LFUD2X0D9	H8	H8	H8					H8	H8		H8	H8

(LF-UD-2)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
11/7/2023	XX	LFUD2X0EI	H8	H8	H8					H8	H8		H8	H8
12/20/2023	XX	LFUD2X0GG	H8	H8	H8					H8	H8		H8	H8
1/2/2024	XX	LFUD2X0IC	H8	H8	H8					H8	H8		H8	H8
2/6/2024	XX	LFUD2X101	H8	H8	H8					H8	H8		H8	H8
3/7/2024	XX	LFUD2X162	H8	H8	H8					H8	H8		H8	H8
4/2/2024	XX	LFUD2X12A	D	D	D					D	D		D	D
4/3/2024	XX	LFUD2X181	H8	H8	H8					H8	H8		H8	H8
5/8/2024	XX	LFUD2X19C	H8	H8	H8					H8	H8		H8	H8
6/5/2024	XX	LFUD2X1B2	H8	H8	H8					H8	H8		H8	H8
7/15/2024	XX	LFUD2X22G	H2	H2	H2					H2	H2	H2	H2	H2
7/16/2024	XX	LFUD2X1DC	F6	F6	F6					F6	F6		F6	F6
8/30/2024	XX	LFUD2X246	H2	H2	H2					H2	H2	H2	H2	H2
9/19/2024	XX	LFUD2X25G	H8	H8	H8					H8	H8		H8	H8
10/8/2024	XX	LFUD2X1J3	F6	F6	F6					F6	F6		F6	F6
10/17/2024	XX	LFUD2X275	H8	H8	H8					H8	H8		H8	H8
11/12/2024	XX	LFUD2X292	H8	H8	H8					H8	H8		H8	H8
12/31/2024	XX	LFUD2X2AB	H8	H8	H8					H8	H8		H8	H8

LF-UD-3A,B

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/3/2015	XX	LFXXXX771	H8	H8	H8					H8	H8	H8	H8	
2/21/2015	XX	LFXXXX77C	H8	H8	H8					H8	H8	H8	H8	
3/28/2015	XX	LFXXXX7AA	H8	H8	H8					H8	H8	H8	H8	
4/16/2015	XX	LFXXXX7B3	F6	F6	F6					F6	F6	F6	F6	
4/28/2015	XX	LFXXXX79G	F6	F6	F6					F6	F6	F6	F6	
5/22/2015	XX	LFXXXX7F8	F6	F6	F6					F6	F6	F6	F6	
6/22/2015	XX	LFXXXX7EG	F6	F6	F6					F6	F6	F6	F6	
7/14/2015	XX	LFXXXX7D8	F6	F6	F6					F6	F6	F6	F6	
7/23/2015	XX	LFXXXX7G0	F12	F12	F12					F12	F12	F12	F12	
8/24/2015	XX	LFXXXX7GC	F12	F12	F12					F12	F12	F12	F12	
9/26/2015	XX	LFXXXX805	H8	H8	H8					H8	H8	H8	H8	
10/27/2015	XX	LFXXXX7IF	F6	F6	F6					F6	F6	F6	F6	
10/31/2015	XX	LFXXXX80H	F6	F6	F6					F6	F6	F6	F6	
11/27/2015	XX	LFXXXX819	F6	F6	F6					F6	F6	F6	F6	
12/30/2015	XX	LFXXXX822	F6	F6	F6					F6	F6	F6	F6	
1/14/2016	XX	LFXXXX82E	F6	F6	F6					F6	F6	F6	F6	
2/18/2016	XX	LFXXXX886	F6	F6	F6					F6	F6	F6	F6	
3/17/2016	XX	LFXXXX88I	F6	F6	F6					F6	F6	F6	F6	
4/5/2016	XX	LFXXXX877	F6	F6	F6					F6	F6	F6	F6	F6
4/21/2016	XX	LFXXXX89A	F6	F6	F6					F6	F6	F6	F6	
5/26/2016	XX	LFXXXX8CG	F6	F6	F6					F6	F6	F6	F6	
6/27/2016	XX	LFXXXX8E0	F6	F6	F6					F6	F6	F6	F6	
7/20/2016	XX	LFXXXX8F4	F6	F6	F6					F6	F6	F6	F6	
7/26/2016	XX	LFXXXX8BH	F6	F6	F6					F6	F6		F6	F6
8/29/2016	XX	LFXXXX90F	F6	F6	F6					F6	F6		F6	F6
9/23/2016	XX	LFXXXX93E	F6	F6	F6					F6	F6		F6	F6
10/25/2016	XX	LFXXXX8JF	F6	F6	F6					F6	F6		F6	F6
10/31/2016	XX	LFXXXX948	H8	H8	H8					H8	H8		H8	H8
11/29/2016	XX	LFXXXX953	H8	H8	H8					H8	H8	H8	H8	H8
12/13/2016	XX	LFXXXX95G	H8	H8	H8					H8	H8	H8	H8	H8
1/10/2017	XX	LFXXXX99F	H8	H8	H8					H8	H8	H8	H8	H8

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-3A,B)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/8/2017	XX	LFXXXX9A8	H8	H8	H8					H8	H8	H8	H8	H8
3/3/2017	XX	LFXXXX9B1	H8	H8	H8					H8	H8	H8	H8	H8
4/5/2017	XX	LFXXXX992	H8	H8	H8					H8	H8	H8	H8	H8
4/18/2017	XX	LFXXXX982	F6	F6	F6					F6	F6		F6	F6
5/25/2017	XX	LFXXXX9BE	F6	F6	F6					F6	F6	F6	F6	F6
6/16/2017	XX	LFXXXX9EF	F6	F6	F6					F6	F6	F6	F6	F6
7/25/2017	XX	LFXXXX9DJ	F6	F6	F6					F6	F6	F6	F6	F6
7/31/2017	XX	LFXXXX9F8	H8	H8	H8					H8	H8	H8	H8	H8
8/31/2017	XX	LFXXXX9II	F6	F6	F6					F6	F6	F6	F6	F6
9/28/2017	XX	LFXXXX9JA	H8	H8	H8					H8	H8	H8	H8	H8
10/25/2017	XX	LFXXXX9HE	F6	F6	F6					F6	F6	F6	F6	F6
10/26/2017	XX	LFXXXXA02	H8	H8	H8					H8	H8	H8	H8	H8
11/30/2017	XX	LFXXXXA0E	F6	F6	F6					F6	F6	F6	F6	F6
12/27/2017	XX	LFXXXXA17	F6	F6	F6					F6	F6	F6	F6	F6
1/19/2018	XX	LFXXXXA4D	F6	F6	F6					F6	F6	F6	F6	F6
2/22/2018	XX	LFXXXXA56	F6	F6	F6					F6	F6	F6	F6	F6
3/24/2018	XX	LFXXXXA92	F6	F6	F6					F6	F6	F6	F6	F6
4/3/2018	XX	LFXXXXA3E	F6	F6	F6					F6	F6	F6	F6	F6
4/28/2018	XX	LFXXXXA9F	H8	H8	H8					H8	H8	H8	H8	H8
5/11/2018	XX	LFXXXXAA8	F6	F6	F6					F6	F6	F6	F6	F6
6/2/2018	XX	LFXXXXADC	H8	H8	H8					H8	H8	H8	H8	H8
7/2/2018	XX	LFXXXXAIC	H8	H8	H8					H8	H8	H8	H8	H8
7/17/2018	XX	LFXXXXACE	F6	F6	F6					F6	F6	F6	F6	F6
8/17/2018	XX	LFXXXXAJ7	H8	H8	H8					H8	H8	H8	H8	H8
9/1/2018	XX	LFXXXXB2D	H8	H8	H8					H8	H8	H8	H8	H8
10/2/2018	XX	LFXXXXB1C	F6	F6	F6					F6	F6	F6	F6	F6
10/13/2018	XX	LFXXXXB37	H8	H8	H8					H8	H8	H8	H8	H8
11/2/2018	XX	LFXXXXB41	H8	H8	H8					H8	H8	H8	H8	H8
12/7/2018	XX	LFXXXXB80	H8	H8	H8					H8	H8	H8	H8	
1/3/2019	XX	LFXXXXB8E	H8	H8	H8					H8	H8	H8	H8	
2/2/2019	XX	LFXXXXB98	H8	H8	H8					H8	H8	H8	H8	
3/2/2019	XX	LFXXXXBA2	H8	H8	H8					H8	H8	H8	H8	
4/5/2019	XX	LFXXXXBAG	H8	H8	H8					H8	H8	H8	H8	
4/23/2019	XX	LFXXXXB6A	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2019	XX	LFXXXXBE8	H8	H8	H8					H8	H8	H8	H8	H8
6/24/2019	XX	LFXXXXBF2	H8	H8	H8					H8	H8	H8	H8	H8
7/16/2019	XX	LFXXXXBD1	F6	F6	F6					F6	F6	F6	F6	F6
7/30/2019	XX	LFXXXXBFG	H8	H8	H8					H8	H8	H8	H8	H8
8/20/2019	XX	LFXXXXBGA	H8	H8	H8					H8	H8	H8	H8	H8
9/20/2019	XX	LFXXXXC03	H8	H8	H8					H8	H8	H8	H8	H8
10/14/2019	XX	LFXXXXC0H	H8	H8	H8					H8	H8	H8	H8	H8
10/29/2019	XX	LFXXXXBID	F6	F6	F6					F6	F6	F6	F6	F6
11/27/2019	XX	LFXXXXC1B	H8	H8	H8					H8	H8	H8	H8	H8
12/23/2019	XX	LFXXXXC31	H8	H8	H8					H8	H8	H8	H8	H8
1/17/2020	XX	LFXXXXC3G	H8	H8	H8					H8	H8	H8	H8	H8
2/4/2020	XX	LFXXXXC4B	H8	H8	H8					H8	H8	H8	H8	H8
3/27/2020	XX	LFXXXXCF8	H8	H8	H8					H8	H8	H8	H8	H8
4/28/2020	XX	LFXXXXCE1	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2020	XX	LFXXXXCG2	H8	H8	H8					H8	H8	H8	H8	H8

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-3A,B)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
5/27/2020	XX	LFXXXXD01	H8	H8	H8					H8	H8	H8	H8	H8
6/28/2020	XX	LFXXXXD0F	H8	H8	H8					H8	H8	H8	H8	H8
7/11/2020	XX	LFXXXXD19	H8	H8	H8					H8	H8	H8	H8	H8
7/21/2020	XX	LFXXXXCIE	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2020	XX	LFXXXXD57	H8	H8	H8					H8	H8	H8	H8	H8
9/27/2020	XX	LFXXXXD63	H8	H8	H8					H8	H8	H8	H8	H8
10/27/2020	XX	LFXXXXD3H	F6	F6	F6					F6	F6	F6	F6	F6
10/31/2020	XX	LFXXXXD6H	H8	H8	H8					H8	H8	H8	H8	H8
11/29/2020	XX	LFXXXXD7B	H8	H8	H8					H8	H8	H8	H8	H8
12/13/2020	XX	LFXXXXD85	H8	H8	H8					H8	H8	H8	H8	H8
1/10/2021	XX	LFXXXXDEJ	H8	H8	H8					H8	H8	H8	H8	H8
2/28/2021	XX	LFXXXXDE5	H2	H2	H2					H2	H2	H2	H2	H2
3/30/2021	XX	LFXXXXDFH	H8	H8	H8					H8	H8	H8	H8	H8
4/6/2021	XX	LFXXXXDD0	H8	H8	H8					H8	H8	H8	H8	H8
4/29/2021	XX	LFXXXXDHD	H8	H8	H8					H8	H8	H8	H8	H8
5/19/2021	XX	LFXXXXDI7	H8	H8	H8					H8	H8	H8	H8	H8
6/2/2021	XX	LFXXXXE2I	H8	H8	H8					H8	H8	H8	H8	H8
7/13/2021	XX	LFXXXXE0C	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2021	XX	LFXXXXE3E	H8	H8	H8					H8	H8	H8	H8	H8
8/3/2021	XX	LFXXXXEFG	H8	H8	H8					H8	H8	H8	H8	H8
9/18/2021	XX	LFXXXXEDI	H8	H8	H8					H8	H8	H8	H8	H8
10/5/2021	XX	LFXXXXE6J	F6	F6	F6					F6	F6	F6	F6	F6
10/16/2021	XX	LFXXXXEEH	H8	H8	H8					H8	H8	H8	H8	H8
11/20/2021	XX	LFXXXXEHF	H8	H8	H8					H8	H8	H8	H8	H8
12/18/2021	XX	LFXXXXEIH	H8	H8	H8					H8	H8	H8	H8	H8
1/16/2022	XX	LFXXXXF4D	H8	H8	H8					H8	H8	H8	H8	H8
2/20/2022	XX	LFXXXXF5D	H8	H8	H8					H8	H8	H8	H8	H8
3/20/2022	XX	LFXXXXF6D	H8	H8	H8					H8	H8	H8	H8	H8
4/15/2022	XX	LFXXXXFC4	H8	H8	H8					H8	H8	H8	H8	H8
4/26/2022	XX	LFXXXXF1B	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2022	XX	LFXXXXFD4	H8	H8	H8					H8	H8	H8	H8	H8
6/7/2022	XX	LFXXXXFEE	H8	H8	H8					H8	H8	H8	H8	H8
7/19/2022	XX	LFXXXXF9A	D	D	D					D	D	D	D	D
7/21/2022	XX	LFXXXXFFE	H8	H8	H8					H8	H8	H8	H8	H8
8/8/2022	XX	LFXXXXG33	H8	H8	H8					H8	H8	H8	H8	H8
9/2/2022	XX	LFXXXXG5F	H8	H8	H8					H8	H8	H8	H8	H8
10/4/2022	XX	LFXXXXFJA	D	D	D					D	D		D	F6
10/6/2022	XX	LFXXXXG8H	H8	H8	H8					H8	H8		H8	H8
11/4/2022	XX	LFXXXXGA8	H8	H8	H8					H8	H8		H8	H8
12/5/2022	XX	LFXXXXGCD	H8	H8	H8					H8	H8		H8	H8
1/4/2023	XX	LFXXXXGE5	H8	H8	H8					H8	H8		H8	H8
2/1/2023	XX	LFXXXXGFG	H8	H8	H8					H8	H8		H8	H8
3/1/2023	XX	LFXXXXH30	H8	H8	H8					H8	H8		H8	H8
4/3/2023	XX	LFXXXXH4B	H8	H8	H8					H8	H8		H8	H8
4/18/2023	XX	LFXXXXGJ1	F6	F6	F6					F6	F6		F6	F6
5/3/2023	XX	LFXXXXH6A	H8	H8	H8					H8	H8		H8	H8
6/6/2023	XX	LFXXXX02D	H8	H8	H8					H8	H8		H8	H8
7/11/2023	XX	LFXXXXH94	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LFXXXX03I	H8	H8	H8					H8	H8		H8	H8

(LF-UD-3A,B)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
8/1/2023	XX	LFXXXX0AE	H8	H8	H8					H8	H8		H8	H8
9/8/2023	XX	LFXXXX0C0	H8	H8	H8					H8	H8		H8	H8
10/3/2023	XX	LFXXXX06A	F6	F6	F6					F6	F6		F6	F6
10/4/2023	XX	LFXXXX0DC	H8	H8	H8					H8	H8		H8	H8
11/7/2023	XX	LFXXXX0F1	H8	H8	H8					H8	H8		H8	H8
12/20/2023	XX	LFXXXX0GJ	H8	H8	H8					H8	H8		H8	H8
1/2/2024	XX	LFXXXX0IF	H8	H8	H8					H8	H8		H8	H8
2/6/2024	XX	LFXXXX104	H8	H8	H8					H8	H8		H8	H8
3/7/2024	XX	LFXXXX165	H8	H8	H8					H8	H8		H8	H8
4/2/2024	XX	LFXXXX12J	D	D	D					D	D		D	D
4/3/2024	XX	LFXXXX184	H8	H8	H8					H8	H8		H8	H8
5/8/2024	XX	LFXXXX19F	H8	H8	H8					H8	H8		H8	H8
6/5/2024	XX	LFXXXX1B6	H8	H8	H8					H8	H8		H8	H8
7/15/2024	XX	LFXXXX22J	H2	H2	H2					H2	H2	H2	H2	H2
7/16/2024	XX	LFXXXX1E3	F6	F6	F6					F6	F6		F6	F6
8/30/2024	XX	LFXXXX249	H2	H2	H2					H2	H2	H2	H2	H2
9/19/2024	XX	LFXXXX25J	H8	H8	H8					H8	H8		H8	H8
10/8/2024	XX	LFXXXX1JC	F6	F6	F6					F6	F6		F6	F6
10/17/2024	XX	LFXXXX278	H8	H8	H8					H8	H8		H8	H8
11/12/2024	XX	LFXXXX295	H8	H8	H8					H8	H8		H8	H8
12/31/2024	XX	LFXXXX2AE	H8	H8	H8					H8	H8		H8	H8
LF-UD-4														
2/3/2015	XX	LFUD4X772	H8	H8	H8					H8	H8	H8	H8	H8
2/21/2015	XX	LFUD4X77D	H8	H8	H8					H8	H8	H8	H8	H8
3/28/2015	XX	LFUD4X7AB	H8	H8	H8					H8	H8	H8	H8	H8
4/16/2015	XX	LFUD4X7B4	F6	F6	F6					F6	F6	F6	F6	F6
4/28/2015	XX	LFXXXX79H	F6	F6	F6					F6	F6	F6	F6	F6
5/22/2015	XX	LFUD4X7F9	F6	F6	F6					F6	F6	F6	F6	F6
6/22/2015	XX	LFUD4X7EH	F6	F6	F6					F6	F6	F6	F6	F6
7/14/2015	XX	LFXXXX7D9	F6	F6	F6					F6	F6	F6	F6	F6
7/23/2015	XX	LFUD4X7G1	F12	F12	F12					F12	F12	F12	F12	F12
8/24/2015	XX	LFUD4X7GD	F12	F12	F12					F12	F12	F12	F12	F12
9/26/2015	XX	LFUD4X806	H8	H8	H8					H8	H8	H8	H8	H8
10/27/2015	XX	LFXXXX7IG	F6	F6	F6					F6	F6	F6	F6	F6
10/31/2015	XX	LFUD4X80I	F6	F6	F6					F6	F6	F6	F6	F6
11/27/2015	XX	LFUD4X81A	F6	F6	F6					F6	F6	F6	F6	F6
12/30/2015	XX	LFUD4X823	F6	F6	F6					F6	F6	F6	F6	F6
1/14/2016	XX	LFUD4X82F	F6	F6	F6					F6	F6	F6	F6	F6
2/18/2016	XX	LFUD4X887	F6	F6	F6					F6	F6	F6	F6	F6
3/17/2016	XX	LFUD4X88J	F6	F6	F6					F6	F6	F6	F6	F6
4/5/2016	XX	LFXXXX878	F6	F6	F6					F6	F6	F6	F6	F6
4/21/2016	XX	LFUD4X89B	F6	F6	F6					F6	F6	F6	F6	F6
5/26/2016	XX	LFUD4X8CH	F6	F6	F6					F6	F6	F6	F6	F6
6/27/2016	XX	LFUD4X8E1	F6	F6	F6					F6	F6	F6	F6	F6
7/20/2016	XX	LFUD4X8F5	F6	F6	F6					F6	F6	F6	F6	F6
7/26/2016	XX	LFXXXX8BI	435	7.4	21.2					296	4.9		0.8	0.0011
8/29/2016	XX	LFUD4X90G	F6	F6	F6					F6	F6		F6	F6
9/23/2016	XX	LFUD4X93F	F6	F6	F6					F6	F6		F6	F6
10/25/2016	XX	LFXXXX8JG	464	7.7	14.2					253	7		1	0.0006

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-4)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/31/2016	XX	LFUD4X949	H8	H8	H8					H8	H8		H8	H8
11/29/2016	XX	LFUD4X954	H8	H8	H8					H8	H8	H8	H8	H8
12/13/2016	XX	LFUD4X95H	H8	H8	H8					H8	H8	H8	H8	H8
1/10/2017	XX	LFUD4X99G	H8	H8	H8					H8	H8	H8	H8	H8
2/8/2017	XX	LFUD4X9A9	H8	H8	H8					H8	H8	H8	H8	H8
3/3/2017	XX	LFUD4X9B2	H8	H8	H8					H8	H8	H8	H8	H8
4/5/2017	XX	LFUD4X993	H8	H8	H8					H8	H8	H8	H8	H8
4/18/2017	XX	LFXXXX983	371	8.1	13.3					292	8.3		0.8	0.0011
5/25/2017	XX	LFUD4X9BF	387	7.38	18.5					392	8	175	0.6	0.0009
6/16/2017	XX	LFUD4X9EG	F6	F6	F6					F6	F6	F6	F6	F6
7/25/2017	XX	LFXXXX9E0	415	8.2	20.7					283	5.7		0.4	0.0017
7/31/2017	XX	LFUD4X9F9	H8	H8	H8					H8	H8	H8	H8	H8
8/31/2017	XX	LFUD4X9IJ	F6	F6	F6					F6	F6	F6	F6	F6
9/28/2017	XX	LFUD4X9JB	H8	H8	H8					H8	H8	H8	H8	H8
10/25/2017	XX	LFXXXX9HF	F6	F6	F6					F6	F6	F6	F6	F6
10/26/2017	XX	LFUD4XA03	H8	H8	H8					H8	H8	H8	H8	H8
11/30/2017	XX	LFUD4XA0F	F6	F6	F6					F6	F6	F6	F6	F6
12/27/2017	XX	LFUD4XA18	F6	F6	F6					F6	F6	F6	F6	F6
1/19/2018	XX	LFUD4XA4E	F6	F6	F6					F6	F6	F6	F6	F6
2/22/2018	XX	LFUD4XA57	F6	F6	F6					F6	F6	F6	F6	F6
3/24/2018	XX	LFUD4XA93	F6	F6	F6					F6	F6	F6	F6	F6
4/3/2018	XX	LFXXXXA3F	F6	F6	F6					F6	F6	F6	F6	F6
4/28/2018	XX	LFUD4XA9G	H8	H8	H8					H8	H8	H8	H8	H8
5/11/2018	XX	LFUD4XAA9	F6	F6	F6					F6	F6	F6	F6	F6
6/2/2018	XX	LFUD4XADD	H8	H8	H8					H8	H8	H8	H8	H8
7/2/2018	XX	LFUD4XAID	H8	H8	H8					H8	H8	H8	H8	H8
7/17/2018	XX	LFXXXXACF	520	8	19					474	4.2		1.1	0.0011
8/17/2018	XX	LFUD4XAJ8	H8	H8	H8					H8	H8	H8	H8	H8
9/1/2018	XX	LFUD4XB2E	H8	H8	H8					H8	H8	H8	H8	H8
10/2/2018	XX	LFXXXXB1D	F6	F6	F6					F6	F6	F6	F6	F6
10/13/2018	XX	LFUD4XB38	H8	H8	H8					H8	H8	H8	H8	H8
11/2/2018	XX	LFUD4XB42	H8	H8	H8					H8	H8	H8	H8	H8
12/7/2018	XX	LFUD4XB81	H8	H8	H8					H8	H8	H8	H8	
1/3/2019	XX	LFUD4XB8F	H8	H8	H8					H8	H8	H8	H8	
2/2/2019	XX	LFUD4XB99	H8	H8	H8					H8	H8	H8	H8	
3/2/2019	XX	LFUD4XBA3	H8	H8	H8					H8	H8	H8	H8	
4/5/2019	XX	LFUD4XBAH	H8	H8	H8					H8	H8	H8	H8	
4/23/2019	XX	LFXXXXB6B	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2019	XX	LFUD4XBE9	H8	H8	H8					H8	H8	H8	H8	H8
6/24/2019	XX	LFUD4XBF3	H8	H8	H8					H8	H8	H8	H8	H8
7/16/2019	XX	LFXXXXBD2	F6	F6	F6					F6	F6	F6	F6	F6
7/30/2019	XX	LFUD4XBFH	H8	H8	H8					H8	H8	H8	H8	H8
8/20/2019	XX	LFUD4XBGB	H8	H8	H8					H8	H8	H8	H8	H8
9/20/2019	XX	LFUD4XC04	H8	H8	H8					H8	H8		H8	H8
10/14/2019	XX	LFUD4XC0I	H8	H8	H8					H8	H8		H8	H8
10/29/2019	XX	LFXXXXBIE	383	8.1	13.3					259	10.3		2.6	0.0006
11/27/2019	XX	LFUD4XC1C	365	8	20.3					377	6	250	0.5	0.0002
12/23/2019	XX	LFUD4XC32	390	8.1	13.2					353	8	200	0.4	0.0001
1/17/2020	XX	LFUD4XC3H	H8	H8	H8					H8	H8	H8	H8	H8

(LF-UD-4)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/4/2020	XX	LFUD4XC4C	H8	H8	H8					H8	H8	H8	H8	H8
3/27/2020	XX	LFUD4XCF9	H8	H8	H8					H8	H8	H8	H8	H8
4/28/2020	XX	LFXXXXCE2	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2020	XX	LFUD4XCG3	H8	H8	H8					H8	H8	H8	H8	H8
5/27/2020	XX	LFUD4XD02	H8	H8	H8					H8	H8	H8	H8	H8
6/28/2020	XX	LFUD4XD0G	H8	H8	H8					H8	H8	H8	H8	H8
7/11/2020	XX	LFUD4XD1A	H8	H8	H8					H8	H8	H8	H8	H8
7/21/2020	XX	LFXXXXCIF	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2020	XX	LFUD4XD58	H8	H8	H8					H8	H8	H8	H8	H8
9/27/2020	XX	LFUD4XD64	H8	H8	H8					H8	H8	H8	H8	H8
10/27/2020	XX	LFXXXXD3I	F6	F6	F6					F6	F6	F6	F6	F6
10/31/2020	XX	LFUD4XD6I	H8	H8	H8					H8	H8	H8	H8	H8
11/29/2020	XX	LFUD4XD7C	H8	H8	H8					H8	H8	H8	H8	H8
12/13/2020	XX	LFUD4XD86	H2	H2	H2					H2	H2	H2	H2	H2
1/10/2021	XX	LFUD4XDF0	H2	H2	H2					H2	H2	H2	H2	H2
2/28/2021	XX	LFUD4XDE6	H2	H2	H2					H2	H2	H2	H2	H2
3/30/2021	XX	LFUD4XDFI	H2	H2	H2					H2	H2	H2	H2	H2
4/6/2021	XX	LFXXXXDD1	H8	H8	H8					H8	H8	H8	H8	H8
4/29/2021	XX	LFUD4XDHE	H8	H8	H8					H8	H8	H8	H8	H8
5/19/2021	XX	LFUD4XDI8	H8	H8	H8					H8	H8	H8	H8	H8
6/2/2021	XX	LFUD4XE2J	H8	H8	H8					H8	H8	H8	H8	H8
7/13/2021	XX	LFXXXXE0D	340	7.4	15.4					293	5.8		0.5	0.0003
7/16/2021	XX	LFUD4XE3F	H8	H8	H8					H8	H8	H8	H8	H8
8/3/2021	XX	LFUD4XEFH	H8	H8	H8					H8	H8		H8	H8
9/18/2021	XX	LFUD4XEDJ	H8	H8	H8					H8	H8		H8	H8
10/5/2021	XX	LFXXXXE70	343	7.5	15.9					251	5.4		0.1	0.0006
10/16/2021	XX	LFUD4XEEI	H8	H8	H8					H8	H8		H8	H8
11/20/2021	XX	LFUD4XEHG	H8	H8	H8					H8	H8		H8	H8
12/18/2021	XX	LFUD4XEII	H8	H8	H8					H8	H8		H8	H8
1/16/2022	XX	LFUD4XF4E	H8	H8	H8					H8	H8		H8	H8
2/20/2022	XX	LFUD4XF5E	H8	H8	H8					H8	H8		H8	H8
3/20/2022	XX	LFUD4XF6E	H8	H8	H8					H8	H8		H8	H8
4/15/2022	XX	LFUD4XFC5	H8	H8	H8					H8	H8		H8	H8
4/26/2022	XX	LFXXXXF1C	321	7.3	8					265	7.3		0.2	0.0002
5/10/2022	XX	LFUD4XFD5	H8	H8	H8					H8	H8		H8	H8
6/7/2022	XX	LFUD4XFEF	H8	H8	H8					H8	H8		H8	H8
7/19/2022	XX	LFXXXXF9B	D	D	D					D	D		D	D
7/21/2022	XX	LFUD4XFFF	H8	H8	H8					H8	H8		H8	H8
8/8/2022	XX	LFUD4XG34	H8	H8	H8					H8	H8		H8	H8
9/2/2022	XX	LFUD4XG5G	H8	H8	H8					H8	H8		H8	H8
10/4/2022	XX	LFXXXXFJB	153	7.4	10.4					358	4.4		0.3	0.0006
10/6/2022	XX	LFUD4XG8I	H8	H8	H8					H8	H8		H8	H8
11/4/2022	XX	LFUD4XGA9	H8	H8	H8					H8	H8		H8	H8
12/5/2022	XX	LFUD4XGCE	H8	H8	H8					H8	H8		H8	H8
1/4/2023	XX	LFUD4XGE6	H8	H8	H8					H8	H8		H8	H8
2/1/2023	XX	LFUD4XGFH	H8	H8	H8					H8	H8		H8	H8
3/1/2023	XX	LFUD4XH31	H8	H8	H8					H8	H8		H8	H8
4/3/2023	XX	LFUD4XH4C	H8	H8	H8					H8	H8		H8	H8
4/18/2023	XX	LFXXXXGJ2	F6	F6	F6					F6	F6		F6	F6

(LF-UD-4)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
5/3/2023	XX	LFUD4XH6B	H8	H8	H8					H8	H8		H8	H8
6/6/2023	XX	LFUD4X02E	H8	H8	H8					H8	H8		H8	H8
7/11/2023	XX	LFXXXXH95	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LFUD4X03J	H8	H8	H8					H8	H8		H8	H8
8/1/2023	XX	LFUD4X0AF	H8	H8	H8					H8	H8		H8	H8
9/8/2023	XX	LFUD4X0C1	H8	H8	H8					H8	H8		H8	H8
10/3/2023	XX	LFXXXX06B	F6	F6	F6					F6	F6		F6	F6
10/4/2023	XX	LFUD4X0DD	H8	H8	H8					H8	H8		H8	H8
11/7/2023	XX	LFUD4X0F2	H8	H8	H8					H8	H8		H8	H8
12/20/2023	XX	LFUD4X0H0	H8	H8	H8					H8	H8		H8	H8
1/2/2024	XX	LFUD4X0IG	H8	H8	H8					H8	H8		H8	H8
2/6/2024	XX	LFUD4X105	H8	H8	H8					H8	H8		H8	H8
3/7/2024	XX	LFUD4X166	H8	H8	H8					H8	H8		H8	H8
4/2/2024	XX	LFXXXX130	D	D	D					D	D		D	D
4/3/2024	XX	LFUD4X185	H8	H8	H8					H8	H8		H8	H8
5/8/2024	XX	LFUD4X19G	H8	H8	H8					H8	H8		H8	H8
6/5/2024	XX	LFUD4X1B7	H2	H2	H2					H2	H2		H2	H2
7/15/2024	XX	LFUD4X230	H2	H2	H2					H2	H2	H2	H2	H2
7/16/2024	XX	LFXXXX1E4	F6	F6	F6					F6	F6		F6	F6
8/30/2024	XX	LFUD4X24A	H2	H2	H2					H2	H2	H2	H2	H2
9/19/2024	XX	LFUD4X260	H8	H8	H8					H8	H8		H8	H8
10/8/2024	XX	LFXXXX1JD	F6	F6	F6					F6	F6		F6	F6
10/17/2024	XX	LFUD4X279	H8	H8	H8					H8	H8		H8	H8
11/12/2024	XX	LFUD4X296	H8	H8	H8					H8	H8		H8	H8
12/31/2024	XX	LFUD4X2AF	H8	H8	H8					H8	H8		H8	H8

LF-UD-5and6

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/3/2015	XX	LFXXXX773	F	F	F					F	F	F	F	F
2/21/2015	XX	LFXXXX77E	318	7.7	17.6					387	4	155	1.17	0.0003
3/28/2015	XX	LFXXXX7AC	F6	F6	F6					F6	F6	F6	F6	F6
4/16/2015	XX	LFXXXX7B5	367	7.5	17.3					382	7	180	0.5	0.0003
4/28/2015	XX	LFXXXX79I	422	8	11.6					347	9.3		2.3	0.0017
5/22/2015	XX	LFXXXX7FA	430	7.9	19.1					371	8	220	0.5	0.0003
6/22/2015	XX	LFXXXX7EI	474	8	26.5					319	9	240	0.2	0.0003
7/14/2015	XX	LFXXXX7DA	I	I	I					I	I	I	I	I
7/23/2015	XX	LFXXXX7G2	456	7.4	24.2					375	8	250	0.2	0.0002
8/24/2015	XX	LFXXXX7GE	447	7.3	19.1					371	8	200	0.6	0.0001
9/26/2015	XX	LFXXXX807	397	8	19.7					351	8	180	0.3	0.0002
10/27/2015	XX	LFXXXX7IH	350	8.3	14					265	7.5		1	0.0006
10/31/2015	XX	LFXXXX80J	380	8.1	13.7					336	9	200	0.5	0.0002
11/27/2015	XX	LFXXXX81B	384	7.3	15.1					373	7	210	0.4	0.0003
12/30/2015	XX	LFXXXX824	256	7.6	10.7					357	9	200	0.2	0.0003
1/14/2016	XX	LFXXXX82G	386	7.6	10.4					343	8	220	0.01 U	0.0002
2/18/2016	XX	LFXXXX888	392	8.3	15.3					363	7	208	0.01	0.0003
3/17/2016	XX	LFXXXX890	409	7.3	13.5					337	9	200	0.2	0.0003
4/5/2016	XX	LFXXXX879	399	8.3	11.1					339	8.1		0.4	0.0017
4/21/2016	XX	LFXXXX89C	435	7.3	17.3					303	8	190	0.01 U	0.0002
5/26/2016	XX	LFXXXX8D0	415	8	17.6					306	7	200	0.01	0.0002
6/27/2016	XX	LFXXXX8E2	440	7.4	17.4					515	9	250	0.1	0.0002
7/20/2016	XX	LFXXXX8F6	416	7.5	19.3					325	8	220	0.2	0.0002

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-5and6)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/26/2016	XX	LFXXXX8BJ	421	7.3	19.9					319	5.6		2.1	0.0006
8/29/2016	XX	LFXXXX90H	406	7.49	22.1					319	9		0.3	0.0002
9/23/2016	XX	LFXXXX93G	373	8.11	17.4					303	9		2	0.00004
10/25/2016	XX	LFXXXX8JH	286	7.3	9.5					285	6.9		0.6	0.0006
10/31/2016	XX	LFXXXX94A	324	8.32	11.3					313	8		0.2	
11/29/2016	XX	LFXXXX955	310	7.47	7.3					349	8	120	0.5	0.0001
12/13/2016	XX	LFXXXX95I	155	7.72	4.2					341	8	125	1.2	0.0001
1/10/2017	XX	LFXXXX99H	164	8.12	12.8					358	9	120	0.5	0.0001
2/8/2017	XX	LFXXXX9AA	162	8.06	10.2					351	10	105	0.3	0.0002
3/3/2017	XX	LFXXXX9B3	162	8.05	14.8					348	8	125	0.3	0.0004
4/5/2017	XX	LFXXXX994	117	8.01	17.8					348	8	120	0.4	0.0006
4/18/2017	XX	LFXXXX984	312	8	9.2					349	10.8		0.8	0.0011
5/25/2017	XX	LFXXXX9BG	340	7.66	16.1					328	8	150	0.5	0.0004
6/16/2017	XX	LFXXXX9EH	400	8.1	17.3					354	8	205	0.7	0.0003
7/25/2017	XX	LFXXXX9E1	332	7.9	17.2					297	6.7		0.6	0.0006
7/31/2017	XX	LFXXXX9FA	426	7.7	19.3					386	7	245	0.2	0.0004
8/31/2017	XX	LFXXXX9J0	378	8	19.1					383	6	205	0.1	0.00037
9/28/2017	XX	LFXXXX9JC	375	8	17.9					363	6	205	0.9	0.0002
10/25/2017	XX	LFXXXX9HG	F6	F6	F6					F6	F6	F6	F6	F6
10/26/2017	XX	LFXXXXA04	373	8.2	17.3					392	6	185	0.5	0.00003
11/30/2017	XX	LFXXXXA0G	337	7.7	10.9					426	6	150	0.3	0.00028
12/27/2017	XX	LFXXXXA19	F	F	F					F	F	F	F	F
1/19/2018	XX	LFXXXXA4F	310	8	6.1					409	7	130	0.5	0.00014
2/22/2018	XX	LFXXXXA58	314	7.3	8.4					409	9	125	0.1	0.00037
3/24/2018	XX	LFXXXXA94	338	8	10.4					428	9	130	0.3	0.00056
4/3/2018	XX	LFXXXXA3G	307	8.2	9.8					484	12.8		0.8	0.00056
4/28/2018	XX	LFXXXXA9H	317	8.1	15.4					411	8	150	0.3	0.00022
5/11/2018	XX	LFXXXXAAA	344	7.8	13.2					441	9	150	0.4	0.00037
6/2/2018	XX	LFXXXXADE	360	7.9	16.2					374	8	140	0.5	0.00045
7/2/2018	XX	LFXXXXAIE	376	7.8	19.5					364	8	150	0.2	0.0002
7/17/2018	XX	LFXXXXACG	387	8.2	16.7					486	8.2		0.8	0.00056
8/17/2018	XX	LFXXXXAJ9	377	7.2	20.6					360	8	150	0.2	0.00017
9/1/2018	XX	LFXXXXB2F	362	8	19.5					380	7	175	2.4	0.0002
10/2/2018	XX	LFXXXXB1E	371	8.1	12.2					485	8.1		0.3	0.00056
10/13/2018	XX	LFXXXXB39	339	7.5	13.2					371	7	150	1.1	0.0001
11/2/2018	XX	LFXXXXB43	330	7.6	11.6					362	7	150	0.7	0.0002
12/7/2018	XX	LFXXXXB82	232	8.1	8.6					387	7	70	1.7	0.0002
1/3/2019	XX	LFXXXXB8G	F	F	F					F	F	F	F	F
2/2/2019	XX	LFXXXXB9A	F6	F6	F6					F6	F6	F6	F6	F6
3/2/2019	XX	LFXXXXBA4	F6	F6	F6					F6	F6	F6	F6	F6
4/5/2019	XX	LFXXXXBAI	F	F	F					F	F	F	F	F
4/23/2019	XX	LFXXXXB6C	289	8.2	7.6					357	9.7		0.4	0.0011
5/10/2019	XX	LFXXXXBEA	280	6.9	15.2					317	6	175	0.8	0.0002
6/24/2019	XX	LFXXXXBF4	328	7.8	17.3					356	8	175	0.1 U	0.0003
7/16/2019	XX	LFXXXXBD3	333	7.9	17.3					346	12.8		1.2	0.0006
7/30/2019	XX	LFXXXXBFI	330	8.2	20.5					336	8	180	0.6	0.0002
8/20/2019	XX	LFXXXXBGC	327	8.2	25.3					341	6	175	0.4	0.0001
9/20/2019	XX	LFXXXXC05	338	7.6	21.8					357	6	150	2.5	0.0001
10/14/2019	XX	LFXXXXC0J	304	8.3	19.6					331	6	175	4.8	0.0001

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-5and6)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/29/2019	XX	LFXXXXBIF	225	8	13.8					332	9.5		1.8	0.0006
11/27/2019	XX	LFXXXXC1D	295	8.3	20.5					376	8	155	8.1	0.0001
12/23/2019	XX	LFXXXXC33	279	8.3	12.8					343	8	140	20.2	0.0001
1/17/2020	XX	LFXXXXC3I	305	8.4	7.6					386	10	150	0.6	0.0002
2/4/2020	XX	LFXXXXC4D	284	8.3	13.2					331	10	150	0.1	0.0002
3/27/2020	XX	LFXXXXCFA	249	8.3	13.2					392	6	150	0.3	0.0014
4/28/2020	XX	LFXXXXCE3	322	8.2	8.9					403	9.3		1.6	0.0006
4/29/2020	XX	LFXXXXCG4	266	8.3	16.5					330	6	150	0.1	0.0002
5/27/2020	XX	LFXXXXD03	320	7.9	19.7					331	6	150	0.7	0.0002
6/28/2020	XX	LFXXXXD0H	280	8.3	21.6					334	5	175	1.2	0.0002
7/11/2020	XX	LFXXXXD1B	314	7.5	21.2					353	5	200	0.5	0.0001
7/21/2020	XX	LFXXXXCIG	308	7.9	18.5					361	7.5		0.4	0.0002
8/3/2020	XX	LFXXXXD59	325	7.9	21.1					352	6	175	0.1	0.0001
9/27/2020	XX	LFXXXXD65	312	8.1	18.6					401	5	175	11.1	0.00003
10/27/2020	XX	LFXXXXD3J	D	D	D					D	D	D	D	D
10/31/2020	XX	LFXXXXD6J	326	8.5	14					404	8	200	51.3	0.00004
11/29/2020	XX	LFXXXXD7D	313	8.4	15.6					383	8	140	22.6	0.0001
12/13/2020	XX	LFXXXXD87	286	8	13.4					359	5	155	38.52	0.0001
1/10/2021	XX	LFXXXXDF1	295	8.4	16.2					360	8	160	0.5	0.0001
2/28/2021	XX	LFXXXXDE7	272	8.3	13.1					349	8	175	18.6	0.00005
3/30/2021	XX	LFXXXXDFJ	289	8	15.6					389	8	145	9.3	0.0001
4/6/2021	XX	LFXXXXDD2	264	7.9	8					371	8.5		1	0.0004
4/29/2021	XX	LFXXXXDHF	297	7.5	16.2					384	6	150	5.7	0.0001
5/19/2021	XX	LFXXXXDI9	327	8.5	21.1					532	6	190	1.7	0.0002
6/2/2021	XX	LFXXXXE30	268	8.5	20.3					314	8	165	1.4	0.0001
7/13/2021	XX	LFXXXXE0E	339	7	18.9					338	7.2		0.7	0.0003
7/16/2021	XX	LFXXXXE3G	398	7.8	25.4					380	7	175	0.7	0.0001
8/3/2021	XX	LFXXXXEFI	342	8.5	24.1					377	6	185	1	0.0033
9/18/2021	XX	LFXXXXEE0	450	7.6	20.2					358	7	175	16.1	0.0033
10/5/2021	XX	LFXXXXE71	296	7.8	13.1					258	7.6		0.6	0.0011
10/16/2021	XX	LFXXXXEEJ	297	7.4	17.8					352	6	180	4.1	0.0053
11/20/2021	XX	LFXXXXEHH	293	8.4	13.7					327	7	130	13.8	0.0001
12/18/2021	XX	LFXXXXEIJ	297	8.4	13.2					329	6	135	2.1	0.0001
1/16/2022	XX	LFXXXXF4F	270	7.7	15.8					340	6	130	6.3	0.0001
2/20/2022	XX	LFXXXXF5F	253	7.2	7.4					338	11	150	5.6	0.0001
3/20/2022	XX	LFXXXXF6F	316	8	12.6					98	8	150	13.7	0.0001
4/15/2022	XX	LFXXXXFC6	319	7.7	18.7					302	6	175	5.6	0.0002
4/26/2022	XX	LFXXXXF1D	275	7	9.8					368	7.4		0.3	0.0006
5/10/2022	XX	LFXXXXFD6	326	7.6	18.9					339	6	175	10.4	0.0001
6/7/2022	XX	LFXXXXFEG	365	8.3	20.8					315	6		57.7	0.0001
7/19/2022	XX	LFXXXXF9C	334	6.9	20.6					285	4.9		0.7	0.0004
7/21/2022	XX	LFXXXXFFG	382	7.9	23					322	6	200	50.5	0.0001
8/8/2022	XX	LFXXXXG35	390	7.3	18.6					335	5	200	11.2	0.0001
9/2/2022	XX	LFXXXXG5H	389	8.3	18.6					334	6	200	10.4	0.0001
10/4/2022	XX	LFXXXXFJC	282	7.5	13.1					303	5.1		0.8	0.0006
10/6/2022	XX	LFXXXXG8J	328	8.4	13.2					286	5	175	8.9	0.0001
11/4/2022	XX	LFXXXXGAA	329	7.9	9.9					316	6	150	2.8	0.0001
12/5/2022	XX	LFXXXXGCF	330	7.8	9.2					320	6	175	2.4	0.0001
1/4/2023	XX	LFXXXXGE7	313	8.3	9.4					364	6	150	2.6	0.0001

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-5and6)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/1/2023	XX	LFXXXXGFI	314	8.4	11.7					352	6	135	8.8	0.0001
3/1/2023	XX	LFXXXXH32	315	8.4	12.3					384	6	125	9.8	0.0003
4/3/2023	XX	LFXXXXH4D	338	8.4	15.3					340	6	145	8.6	0.0002
4/18/2023	XX	LFXXXXGJ3	266	7.5	10.4					429	7.6		0.4	0.0006
5/3/2023	XX	LFXXXXH6C	325	8.3	14.7					300	6	125	7.9	0.0001
6/6/2023	XX	LFXXXX02F	338	7.3	16.8					335	6	150	12.4	0.0001
7/11/2023	XX	LFXXXXH96	303	7.7	17.3					465	7.3		0.6	0.0011
7/18/2023	XX	LFXXXX040	328	7.6	23.1					331	8	150	2.4	0.0002
8/1/2023	XX	LFXXXX0AG	343	8.3	21.3					294	6	150	1.7	0.0001
9/8/2023	XX	LFXXXX0C2	379	8.1	24.2					335	6	200	20.1	0.0001
10/3/2023	XX	LFXXXX06C	310	7.4	15.4					466	8.1		0.5	0.0006
10/4/2023	XX	LFXXXX0DE	335	8.1	22.6					324	6		5.7	0.0001
11/7/2023	XX	LFXXXX0F3	325	7.3	16.7					353	6	125	2.9	0.0001
12/20/2023	XX	LFXXXX0H1	322	7.7	12.6					327	6	150	4.3	0.0001
1/2/2024	XX	LFXXXX0IH	294	7.3	13.3					351	6	135	1.7	0.0001
2/6/2024	XX	LFXXXX106	342	7.9	13.4					344	6	125	7.4	0.0001
3/7/2024	XX	LFXXXX167	274	7.6	11.9					331	6	175	33.5	0.0001
4/2/2024	XX	LFXXXX131	285	7.9	9					439	8.8		0.6	0.0022
4/3/2024	XX	LFXXXX186	326	7.8	15.1					323	6	150	6.4	
5/8/2024	XX	LFXXXX19H	352	7.1	16.2					333	6	180	1.6	0.0001
6/5/2024	XX	LFXXXX1B8	303	8	22					281	8	125	0.2	0.0001
7/15/2024	XX	LFXXXX231	323	7.5	21.5					299	8	80	2.7	0.0001
7/16/2024	XX	LFXXXX1E5	311	7.1	19.2					410	5.8		0.7	0.0006
8/30/2024	XX	LFXXXX24B	I	I	I					I	I	I	I	I
9/19/2024	XX	LFXXXX261	I	I	I					I	I		I	I
10/8/2024	XX	LFXXXX1JE	F6	F6	F6					F6	F6		F6	F6
10/17/2024	XX	LFXXXX27A	371	8.3	19.6					331	8	175	8.3	
11/12/2024	XX	LFXXXX297	F6	F6	F6					F6	F6	F6	F6	
12/31/2024	XX	LFXXXX2AG	F6	F6	F6					F6	F6	F6	F6	
LF-UD-6														
2/3/2015	XX	LFUD6X774	F	F	F					F	F	F	F	
2/21/2015	XX	LFUD6X77F	F6	F6	F6					F6	F6	F6	F6	
3/28/2015	XX	LFUD6X7AD	798	7.5	16.2					412	5	200	5.6	
4/16/2015	XX	LFUD6X7B6	754	7.6	17.1					380	6	200	8.75	
4/28/2015	XX	LFUD6X7A0	839	7.4	12.6					309	6.2		2.2	0.0022
5/22/2015	XX	LFUD6X7FB	815	7.8	19.1					375	10	335	0.5	
6/22/2015	XX	LFUD6X7EJ	840	7.6	23.4					334	8	375	0.16	
7/14/2015	XX	LFUD6X7DC	823	7.4	18					349	7.2		0.8	0.0022
7/23/2015	XX	LFUD6X7G3	834	7.5	23.5					377	8	275	0.1	
8/24/2015	XX	LFUD6X7GF	845	7.5	17.1					370	7	400	0.8	
9/26/2015	XX	LFUD6X808	816	7.5	20.6					362	6	350	0.3	
10/27/2015	XX	LFUD6X7IJ	764	7.7	14.9					348	4.3		1.2	0.0022
10/31/2015	XX	LFUD6X810	851	7.6	15.7					347	7	475	1.2	
11/27/2015	XX	LFUD6X81C	864	7.6	16.9					373	8	380	0.8	
12/30/2015	XX	LFUD6X825	F6	F6	F6					F6	F6	F6	F6	
1/14/2016	XX	LFUD6X82H	F6	F6	F6					F6	F6	F6	F6	
2/18/2016	XX	LFUD6X889	F6	F6	F6					F6	F6	F6	F6	F6
3/17/2016	XX	LFUD6X891	859	7.3	16.1					329	7	375	2.3	
4/5/2016	XX	LFUD6X87B	850	7.7	10.6					312	6.8		1.1	0.0022

(LF-UD-6)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/21/2016	XX	LFUD6X89D	870	7.4	20.6					311	9	260	0.3	
5/26/2016	XX	LFUD6X8CJ	F6	F6	F6					F6	F6	F6	F6	
6/27/2016	XX	LFUD6X8E3	F6	F6	F6					F6	F6	F6	F6	
7/20/2016	XX	LFUD6X8F7	F6	F6	F6					F6	F6	F6	F6	
7/26/2016	XX	LFUD6X8C1	D	D	D					D	D		D	D
8/29/2016	XX	LFUD6X90I	871	7.37	23.8					322	9	300	4.3	
9/23/2016	XX	LFUD6X93H	592	7.7	18.7					312	9	225	6.7	
10/25/2016	XX	LFUD6X8JJ	I	I	I					I	I	I	I	I
10/31/2016	XX	LFUD6X94B	H8	H8	H8					H8	H8	H8	H8	
11/29/2016	XX	LFUD6X956	F6	F6	F6					F6	F6	F6	F6	F6
12/13/2016	XX	LFUD6X95J	F6	F6	F6					F6	F6	F6	F6	F6
1/10/2017	XX	LFUD6X99I	F6	F6	F6					F6	F6	F6	F6	F6
2/8/2017	XX	LFUD6X9AB	F6	F6	F6					F6	F6	F6	F6	F6
3/3/2017	XX	LFUD6X9B4	F6	F6	F6					F6	F6	F6	F6	F6
4/5/2017	XX	LFUD6X995	F6	F6	F6					F6	F6	F6	F6	F6
4/18/2017	XX	LFUD6X986	439	7.6	14.2					366	7.5		1.2	0.0022
5/25/2017	XX	LFUD6X9BH	355	7.33	17.2					426	6	175	0.7	
6/16/2017	XX	LFUD6X9EI	486	8.5	22.1					338	7	250	126.9	
7/25/2017	XX	LFUD6X9E3	I	I	I					I	I	I	I	I
7/31/2017	XX	LFUD6X9FB	398	7.7	20.8					391	6	165	22.2	
8/31/2017	XX	LFUD6X9J1	327	7.2	22.4					413	8	145	0.7	
9/28/2017	XX	LFUD6X9JD	F6	F6	F6					F6	F6	F6	F6	F6
10/25/2017	XX	LFUD6X9HI	413	7.2	18.9					407	5.7		2.1	0.0022
10/26/2017	XX	LFUD6XA05	442	7.5	19.3					405	6	215	32.3	
11/30/2017	XX	LFUD6XA0H	293	7	14.9					436	6	125	1.4	
12/27/2017	XX	LFUD6XA1A	270	7.3	15.8					426	7	103	2.7	
1/19/2018	XX	LFUD6XA4G	277	7.4	9.1					425	7	100	1.7	
2/22/2018	XX	LFUD6XA59	292	7	11					420	8	90	0.2	
3/24/2018	XX	LFUD6XA95	301	7.1	11.8					439	7	110	0.7	
4/3/2018	XX	LFUD6XA3I	302	7.6	15					461	4.5		1.3	0.00223
4/28/2018	XX	LFUD6XA9I	212	7.3	17.7					418	8	100	0.4	
5/11/2018	XX	LFUD6XAAB	263	7.2	17.9					454	7	105	1	
6/2/2018	XX	LFUD6XADF	262	7	20.1					394	6	115	1.2	
7/2/2018	XX	LFUD6XAIF	F6	F6	F6					F6	F6		F6	
7/17/2018	XX	LFUD6XACI	328	8.4	20.4					466	3.6		1.4	0.00223
8/17/2018	XX	LFUD6XAJA	268	6.7	23.9					374	6	115	0.9	
9/1/2018	XX	LFUD6XB2G	281	7	21.7					406	6	100	2.6	
10/2/2018	XX	LFUD6XB1G	294	7.3	16.7					487	4.8		0.5	0.00056
10/13/2018	XX	LFUD6XB3A	246	6.9	15.4					383	5	75	7.4	
11/2/2018	XX	LFUD6XB44	241	6.8	13.2					381	7	70	1.6	
12/7/2018	XX	LFUD6XB83	243	7.4	8.1					380	7	140	0.6	
1/3/2019	XX	LFUD6XB8H	297	6.8	11.3					386	7	70	2.1	
2/2/2019	XX	LFUD6XB9B	F	F	F					F	F	F	F	
3/2/2019	XX	LFUD6XBA5	337	7.7	15.3					340	5	75	0.8	
4/5/2019	XX	LFUD6XBAJ	320	8.3	14.1					354	6	100	1.4	
4/23/2019	XX	LFUD6XB6E	380	7.1	14.7					375	6.8		0.8	0.0022
5/10/2019	XX	LFUD6XBEB	201	7.1	15.4					314	6	35	1.4	
6/24/2019	XX	LFUD6XBF5	239	7.4	21					359	8	60	0.2	
7/16/2019	XX	LFUD6XBD5	184	7.8	20.7					379	9		0.8	0.0006

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-6)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/30/2019	XX	LFUD6XBFJ	70	7.3	21.2					343	8	35	0.9	
8/20/2019	XX	LFUD6XBGD	82	7.4	24.8					349	6	40	0.4	
9/20/2019	XX	LFUD6XC06	112	7.1	21.9					353	6	45	13.8	
10/14/2019	XX	LFUD6XC10	204	6.4	20.3					373	5	180	43.6	
10/29/2019	XX	LFUD6XBIH	267	6.3	17.5					282	6.6		1.5	0.0011
11/27/2019	XX	LFUD6XC1E	310	5.2	20.4					449	6	TK	2.2	
12/23/2019	XX	LFUD6XC34	L	L	L					L	L	L	L	
1/4/2020	XX	LFXXXXC3A	515	4.3	14					434	8	TK	1.6	
1/17/2020	XX	LFXXXXC45	460	4.4	14.8					520	8	TK	19.4	
2/4/2020	XX	LFXXXXC50	225	4	18.6					488	6	TK	0.8	
3/27/2020	XX	LFXXXXCFG	315	4.1	17.7					512	6		0.3	
4/28/2020	XX	LFUD6XCE5	579	4.2	14.1					605	7		0.6	0.0006
4/29/2020	XX	LFXXXXCGA	H8	H8	H8					H8	H8	H8	H8	H8
5/27/2020	XX	LFXXXXD09	F6	F6	F6					F6	F6	F6	F6	F6
6/28/2020	XX	LFXXXXD13	F6	F6	F6					F6	F6	F6	F6	F6
7/11/2020	XX	LFXXXXD1H	F6	F6	F6					F6	F6	F6	F6	F6
7/21/2020	XX	LFUD6XCII	D	D	D					D	D	D	D	D
8/3/2020	XX	LFXXXXD5F	F6	F6	F6					F6	F6	F6	F6	F6
9/27/2020	XX	LFXXXXD6B	F6	F6	F6					F6	F6	F6	F6	F6
10/27/2020	XX	LFUD6XD41	D	D	D					D	D	D	D	D
10/31/2020	XX	LFXXXXD75	F6	F6	F6					F6	F6	F6	F6	F6
11/29/2020	XX	LFXXXXD7J	F6	F6	F6					F6	F6	F6	F6	F6
12/13/2020	XX	LFXXXXD8D	F6	F6	F6					F6	F6	F6	F6	F6
1/10/2021	XX	LFXXXXDF7	F6	F6	F6					F6	F6	F6	F6	F6
2/28/2021	XX	LFXXXXDED	F6	F6	F6					F6	F6	F6	F6	F6
3/30/2021	XX	LFXXXXDG5	F6	F6	F6					F6	F6	F6	F6	F6
4/6/2021	XX	LFUD6XDD4	1154	5.1	15.9					504	5.3		1.1	0.0006
4/29/2021	XX	LFXXXXDI1	F6	F6	F6					F6	F6	F6	F6	F6
5/19/2021	XX	LFXXXXDIF	758	4	22.2					495	5	TK	3.7	0.0003
6/2/2021	XX	LFXXXXE36	642	4.6	20.2					370	8	TK	42.1	0.00002
7/13/2021	XX	LFUD6XE0G	I	I	I					I	I	I	I	I
7/16/2021	XX	LFXXXXE42	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2021	XX	LFXXXXEG5	1365	3.8	24.4					487	6	TK	7	I
9/18/2021	XX	LFXXXXEE6	F6	F6	F6					F6	F6	F6	F6	F6
10/5/2021	XX	LFUD6XE72	295	5.6	14					426	5.2		0.5	0.0022
10/16/2021	XX	LFXXXXEF5	F6	F6	F6					F6	F6	F6	F6	F6
11/20/2021	XX	LFXXXXEI3	F6	F6	F6					F6	F6	F6	F6	F6
12/18/2021	XX	LFXXXXEJ5	F6	F6	F6					F6	F6	F6	F6	F6
1/16/2022	XX	LFXXXXF51	F6	F6	F6					F6	F6	F6	F6	F6
2/20/2022	XX	LFXXXXF61	F6	F6	F6					F6	F6	F6	F6	F6
3/20/2022	XX	LFXXXXF71	F6	F6	F6					F6	F6	F6	F6	F6
4/15/2022	XX	LFXXXXFCC	F6	F6	F6					F6	F6	F6	F6	F6
4/26/2022	XX	LFUD6XF1E	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2022	XX	LFXXXXFDC	F6	F6	F6					F6	F6	F6	F6	F6
6/7/2022	XX	LFXXXXFF2	F6	F6	F6					F6	F6	F6	F6	F6
7/19/2022	XX	LFUD6XF9E	D	D	D					D	D	D	D	D
7/21/2022	XX	LFXXXXFG2	F6	F6	F6					F6	F6	F6	F6	F6
8/8/2022	XX	LFXXXXG3B	F6	F6	F6					F6	F6	F6	F6	F6
9/2/2022	XX	LFXXXXG63	F6	F6	F6					F6	F6	F6	F6	F6

(LF-UD-6)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/4/2022	XX	LFUD6XFJD	D	D	D					D	D		D	F6
10/6/2022	XX	LFXXXXG95	F6	F6	F6					F6	F6		F6	F6
11/4/2022	XX	LFXXXXGAG	F6	F6	F6					F6	F6		F6	F6
12/5/2022	XX	LFXXXXGD1	F6	F6	F6					F6	F6		F6	F6
1/4/2023	XX	LFXXXXGED	F6	F6	F6					F6	F6		F6	F6
2/1/2023	XX	LFXXXXGG4	F6	F6	F6					F6	F6		F6	F6
3/1/2023	XX	LFXXXXH38	F6	F6	F6					F6	F6		F6	F6
4/3/2023	XX	LFXXXXH4J	F6	F6	F6					F6	F6		F6	F6
4/18/2023	XX	LFUD6XGJ4	F6	F6	F6					F6	F6		F6	F6
5/3/2023	XX	LFXXXXH6I	F6	F6	F6					F6	F6		F6	F6
6/6/2023	XX	LFXXXX031	F6	F6	F6					F6	F6		F6	F6
7/11/2023	XX	LFUD6XH98	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LFXXXX046	F6	F6	F6					F6	F6		F6	F6
8/1/2023	XX	LFXXXX0B2	F6	F6	F6					F6	F6		F6	F6
9/8/2023	XX	LFXXXX0C8	F6	F6	F6					F6	F6		F6	F6
10/3/2023	XX	LFUD6X06D	D	D	D					D	D		D	D
10/4/2023	XX	LFXXXX0E0	F6	F6	F6					F6	F6		F6	F6
11/7/2023	XX	LFXXXX0F9	F6	F6	F6					F6	F6		F6	F6
12/20/2023	XX	LFXXXX0H7	F6	F6	F6					F6	F6		F6	F6
1/2/2024	XX	LFXXXX0J3	F6	F6	F6					F6	F6		F6	F6
2/6/2024	XX	LFXXXX10C	F6	F6	F6					F6	F6		F6	F6
3/7/2024	XX	LFXXXX16D	F6	F6	F6					F6	F6		F6	F6
4/3/2024	XX	LFXXXX18C	F6	F6	F6					F6	F6		F6	F6
5/8/2024	XX	LFXXXX1A3	F6	F6	F6					F6	F6		F6	F6
6/5/2024	XX	LFXXXX1BE	F6	F6	F6					F6	F6		F6	F6
7/15/2024	XX	LFXXXX237	D	D	D					D	D	D	D	D
7/16/2024	XX	LFUD6X1E7	D	D	D					D	D		D	D
8/30/2024	XX	LFXXXX24H	F6	F6	F6					F6	F6		F6	F6
9/19/2024	XX	LFXXXX267	D	D	D					D	D		D	D
10/8/2024	XX	LFUD6X1JF	D	D	D					D	D		D	D
10/17/2024	XX	LFXXXX27G	!1	!1	!1					!1	!1		!1	!1
11/12/2024	XX	LFXXXX29D	F6	F6	F6					F6	F6		F6	F6
12/31/2024	XX	LFXXXX2B2	F6	F6	F6					F6	F6		F6	F6

LF-UD-7

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/3/2015	XX	LFUD7X776	H8	H8	H8					H8	H8	H8	H8	
2/21/2015	XX	LFUD7X77H	H8	H8	H8					H8	H8	H8	H8	
3/28/2015	XX	LFUD7X7AF	H8	H8	H8					H8	H8	H8	H8	
4/16/2015	XX	LFUD7X7B8	F6	F6	F6					F6	F6	F6	F6	
4/28/2015	XX	LFUD7X7A1	F6	F6	F6					F6	F6	F6	F6	
5/22/2015	XX	LFUD7X7FD	F6	F6	F6					F6	F6	F6	F6	
6/22/2015	XX	LFUD7X7F1	F6	F6	F6					F6	F6	F6	F6	
7/14/2015	XX	LFUD7X7DD	F6	F6	F6					F6	F6	F6	F6	
7/23/2015	XX	LFUD7X7G5	F12	F12	F12					F12	F12	F12	F12	
8/24/2015	XX	LFUD7X7GH	F12	F12	F12					F12	F12	F12	F12	
9/26/2015	XX	LFUD7X80A	F6	F6	F6					F6	F6	F6	F6	
10/27/2015	XX	LFUD7X7J0	F6	F6	F6					F6	F6	F6	F6	
10/31/2015	XX	LFUD7X812	F6	F6	F6					F6	F6	F6	F6	
11/27/2015	XX	LFUD7X81E	F6	F6	F6					F6	F6	F6	F6	
12/30/2015	XX	LFUD7X827	F6	F6	F6					F6	F6	F6	F6	F6

REPORT PREPARED: 4/14/2025 09:19
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 1/1/2025

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-7)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
1/14/2016	XX	LFUD7X82J	F6	F6	F6					F6	F6	F6	F6	F6
2/18/2016	XX	LFUD7X88B	F6	F6	F6					F6	F6	F6	F6	F6
3/17/2016	XX	LFUD7X893	F6	F6	F6					F6	F6	F6	F6	F6
4/5/2016	XX	LFUD7X87C	F6	F6	F6					F6	F6	F6	F6	F6
4/21/2016	XX	LFUD7X89F	F6	F6	F6					F6	F6	F6	F6	F6
5/26/2016	XX	LFUD7X8D1	F6	F6	F6					F6	F6	F6	F6	F6
6/27/2016	XX	LFUD7X8E5	F6	F6	F6					F6	F6	F6	F6	F6
7/20/2016	XX	LFUD7X8F9	F6	F6	F6					F6	F6	F6	F6	F6
7/26/2016	XX	LFUD7X8C2	F6	F6	F6					F6	F6		F6	F6
8/29/2016	XX	LFUD7X91B	F6	F6	F6					F6	F6		F6	F6
9/23/2016	XX	LFUD7X93J	F6	F6	F6					F6	F6		F6	F6
10/25/2016	XX	LFUD7X900	F6	F6	F6					F6	F6		F6	F6
10/31/2016	XX	LFUD7X94D	H8	H8	H8					H8	H8		H8	H8
11/29/2016	XX	LFUD7X958	H8	H8	H8					H8	H8	H8	H8	H8
12/13/2016	XX	LFUD7X961	H8	H8	H8					H8	H8	H8	H8	H8
1/10/2017	XX	LFUD7X9A0	H8	H8	H8					H8	H8	H8	H8	H8
2/8/2017	XX	LFUD7X9AD	H8	H8	H8					H8	H8	H8	H8	H8
3/3/2017	XX	LFUD7X9B6	H8	H8	H8					H8	H8	H8	H8	H8
4/5/2017	XX	LFUD7X997	H8	H8	H8					H8	H8	H8	H8	H8
4/18/2017	XX	LFUD7X987	F6	F6	F6					F6	F6		F6	F6
5/25/2017	XX	LFUD7X9BJ	F6	F6	F6					F6	F6	F6	F6	F6
6/16/2017	XX	LFUD7X9F0	F6	F6	F6					F6	F6	F6	F6	F6
7/25/2017	XX	LFUD7X9E4	F6	F6	F6					F6	F6	F6	F6	F6
7/31/2017	XX	LFUD7X9FD	H8	H8	H8					H8	H8	H8	H8	H8
8/31/2017	XX	LFUD7X9J3	F6	F6	F6					F6	F6	F6	F6	F6
9/28/2017	XX	LFUD7X9JF	H8	H8	H8					H8	H8	H8	H8	H8
10/25/2017	XX	LFUD7X9HJ	F6	F6	F6					F6	F6	F6	F6	F6
10/26/2017	XX	LFUD7XA07	H8	H8	H8					H8	H8	H8	H8	H8
11/30/2017	XX	LFUD7XA0J	F6	F6	F6					F6	F6	F6	F6	F6
12/27/2017	XX	LFUD7XA1C	F6	F6	F6					F6	F6	F6	F6	F6
1/19/2018	XX	LFUD7XA4I	F6	F6	F6					F6	F6	F6	F6	F6
2/22/2018	XX	LFUD7XA5B	F6	F6	F6					F6	F6	F6	F6	F6
3/24/2018	XX	LFUD7XA97	F6	F6	F6					F6	F6	F6	F6	F6
4/3/2018	XX	LFUD7XA3J	F6	F6	F6					F6	F6	F6	F6	F6
4/28/2018	XX	LFUD7XAA0	H8	H8	H8					H8	H8	H8	H8	H8
5/11/2018	XX	LFUD7XAAD	F6	F6	F6					F6	F6	F6	F6	F6
6/2/2018	XX	LFUD7XADH	H8	H8	H8					H8	H8	H8	H8	H8
7/2/2018	XX	LFUD7XAIH	H8	H8	H8					H8	H8	H8	H8	H8
7/17/2018	XX	LFUD7XACJ	F6	F6	F6					F6	F6	F6	F6	F6
8/17/2018	XX	LFUD7XAJC	H8	H8	H8					H8	H8	H8	H8	H8
9/1/2018	XX	LFUD7XB2I	H8	H8	H8					H8	H8	H8	H8	H8
10/2/2018	XX	LFUD7XB1H	F6	F6	F6					F6	F6	F6	F6	F6
10/13/2018	XX	LFUD7XB3C	H8	H8	H8					H8	H8	H8	H8	H8
11/2/2018	XX	LFUD7XB46	H8	H8	H8					H8	H8	H8	H8	H8
12/7/2018	XX	LFUD7XB85	H8	H8	H8					H8	H8	H8	H8	
1/3/2019	XX	LFUD7XB8J	H8	H8	H8					H8	H8	H8	H8	
2/2/2019	XX	LFUD7XB9D	H8	H8	H8					H8	H8	H8	H8	
3/2/2019	XX	LFUD7XBA7	H8	H8	H8					H8	H8	H8	H8	
4/5/2019	XX	LFUD7XBB1	H8	H8	H8					H8	H8	H8	H8	

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-7)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/23/2019	XX	LFUD7XB6F	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2019	XX	LFUD7XBED	H8	H8	H8					H8	H8	H8	H8	H8
6/24/2019	XX	LFUD7XBF7	H8	H8	H8					H8	H8	H8	H8	H8
7/16/2019	XX	LFUD7XBD6	F6	F6	F6					F6	F6	F6	F6	F6
7/30/2019	XX	LFUD7XBG1	H8	H8	H8					H8	H8	H8	H8	H8
8/20/2019	XX	LFUD7XBGF	H8	H8	H8					H8	H8	H8	H8	H8
9/20/2019	XX	LFUD7XC08	H8	H8	H8					H8	H8	H8	H8	H8
10/14/2019	XX	LFUD7XC12	H8	H8	H8					H8	H8	H8	H8	H8
10/29/2019	XX	LFUD7XBII	F6	F6	F6					F6	F6	F6	F6	F6
11/27/2019	XX	LFUD7XC1G	H8	H8	H8					H8	H8	H8	H8	H8
12/23/2019	XX	LFUD7XC36	H8	H8	H8					H8	H8	H8	H8	H8
1/17/2020	XX	LFUD7XC41	H8	H8	H8					H8	H8	H8	H8	H8
2/4/2020	XX	LFUD7XC4G	H8	H8	H8					H8	H8	H8	H8	H8
3/27/2020	XX	LFUD7XCFC	H8	H8	H8					H8	H8	H8	H8	H8
4/28/2020	XX	LFUD7XCE6	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2020	XX	LFUD7XCG6	H8	H8	H8					H8	H8	H8	H8	H8
5/27/2020	XX	LFUD7XD05	H8	H8	H8					H8	H8	H8	H8	H8
6/28/2020	XX	LFUD7XD0J	H8	H8	H8					H8	H8	H8	H8	H8
7/11/2020	XX	LFUD7XD1D	H8	H8	H8					H8	H8	H8	H8	H8
7/21/2020	XX	LFUD7XCIJ	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2020	XX	LFUD7XD5B	H8	H8	H8					H8	H8	H8	H8	H8
9/27/2020	XX	LFUD7XD67	H8	H8	H8					H8	H8	H8	H8	H8
10/27/2020	XX	LFUD7XD42	F6	F6	F6					F6	F6	F6	F6	F6
10/31/2020	XX	LFUD7XD71	H8	H8	H8					H8	H8	H8	H8	H8
11/29/2020	XX	LFUD7XD7F	H8	H8	H8					H8	H8	H8	H8	H8
12/13/2020	XX	LFUD7XD89	H8	H8	H8					H8	H8	H8	H8	H8
1/10/2021	XX	LFUD7XDF3	H8	H8	H8					H8	H8	H8	H8	H8
2/28/2021	XX	LFUD7XDE9	H2	H2	H2					H2	H2	H2	H2	H2
3/30/2021	XX	LFUD7XDG1	H8	H8	H8					H8	H8	H8	H8	H8
4/6/2021	XX	LFUD7XDD5	H8	H8	H8					H8	H8	H8	H8	H8
4/29/2021	XX	LFUD7XDHH	H8	H8	H8					H8	H8	H8	H8	H8
5/19/2021	XX	LFUD7XDIB	H8	H8	H8					H8	H8	H8	H8	H8
6/2/2021	XX	LFUD7XE32	H8	H8	H8					H8	H8	H8	H8	H8
7/13/2021	XX	LFUD7XE0H	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2021	XX	LFUD7XE3I	H8	H8	H8					H8	H8	H8	H8	H8
8/3/2021	XX	LFUD7XEG0	H8	H8	H8					H8	H8	H8	H8	H8
9/18/2021	XX	LFUD7XEE2	H8	H8	H8					H8	H8	H8	H8	H8
10/5/2021	XX	LFUD7XE73	F6	F6	F6					F6	F6	F6	F6	F6
10/16/2021	XX	LFUD7XEF1	H8	H8	H8					H8	H8	H8	H8	H8
11/20/2021	XX	LFUD7XEHJ	H8	H8	H8					H8	H8	H8	H8	H8
12/18/2021	XX	LFUD7XEJ1	H8	H8	H8					H8	H8	H8	H8	H8
1/16/2022	XX	LFUD7XF4H	H8	H8	H8					H8	H8	H8	H8	H8
2/20/2022	XX	LFUD7XF5H	H8	H8	H8					H8	H8	H8	H8	H8
3/20/2022	XX	LFUD7XF6H	H8	H8	H8					H8	H8	H8	H8	H8
4/15/2022	XX	LFUD7XFC8	H8	H8	H8					H8	H8	H8	H8	H8
4/26/2022	XX	LFUD7XF1F	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2022	XX	LFUD7XFD8	H8	H8	H8					H8	H8	H8	H8	H8
6/7/2022	XX	LFUD7XFEI	H8	H8	H8					H8	H8	H8	H8	H8
7/19/2022	XX	LFUD7XF9F	D	D	D					D	D	D	D	D

DATA SUMMARY TABLE

Field Parameters

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-7)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/21/2022	XX	LFUD7XFFI	H8	H8	H8					H8	H8	H8	H8	H8
8/8/2022	XX	LFUD7XG37	H8	H8	H8					H8	H8	H8	H8	H8
9/2/2022	XX	LFUD7XG5J	H8	H8	H8					H8	H8	H8	H8	H8
10/4/2022	XX	LFUD7XFJE	D	D	D					D	D		D	F6
10/6/2022	XX	LFUD7XG91	H8	H8	H8					H8	H8		H8	H8
11/4/2022	XX	LFUD7XGAC	H8	H8	H8					H8	H8		H8	H8
12/5/2022	XX	LFUD7XGCH	H8	H8	H8					H8	H8		H8	H8
1/4/2023	XX	LFUD7XGE9	H8	H8	H8					H8	H8		H8	H8
2/1/2023	XX	LFUD7XGG0	H8	H8	H8					H8	H8		H8	H8
3/1/2023	XX	LFUD7XH34	H8	H8	H8					H8	H8		H8	H8
4/3/2023	XX	LFUD7XH4F	H8	H8	H8					H8	H8		H8	H8
4/18/2023	XX	LFUD7XGJ5	F6	F6	F6					F6	F6		F6	F6
5/3/2023	XX	LFUD7XH6E	H8	H8	H8					H8	H8		H8	H8
6/6/2023	XX	LFUD7X02H	H8	H8	H8					H8	H8		H8	H8
7/11/2023	XX	LFUD7XH99	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LFUD7X042	H8	H8	H8					H8	H8		H8	H8
8/1/2023	XX	LFUD7X0AI	H8	H8	H8					H8	H8		H8	H8
9/8/2023	XX	LFUD7X0C4	H8	H8	H8					H8	H8		H8	H8
10/3/2023	XX	LFUD7X06E	F6	F6	F6					F6	F6		F6	F6
10/4/2023	XX	LFUD7X0DG	H8	H8	H8					H8	H8		H8	H8
11/7/2023	XX	LFUD7X0F5	H8	H8	H8					H8	H8		H8	H8
12/20/2023	XX	LFUD7X0H3	H8	H8	H8					H8	H8		H8	H8
1/2/2024	XX	LFUD7X0IJ	H8	H8	H8					H8	H8		H8	H8
2/6/2024	XX	LFUD7X108	H8	H8	H8					H8	H8		H8	H8
3/7/2024	XX	LFUD7X169	H8	H8	H8					H8	H8		H8	H8
4/2/2024	XX	LFUD7X133	D	D	D					D	D		D	D
4/3/2024	XX	LFUD7X188	H8	H8	H8					H8	H8		H8	H8
5/8/2024	XX	LFUD7X19J	H8	H8	H8					H8	H8		H8	H8
6/5/2024	XX	LFUD7X1BA	H8	H8	H8					H8	H8		H8	H8
7/15/2024	XX	LFUD7X233	H2	H2	H2					H2	H2		H2	H2
7/16/2024	XX	LFUD7X1E8	F6	F6	F6					F6	F6		F6	F6
8/30/2024	XX	LFUD7X24D	H2	H2	H2					H2	H2	H2	H2	H2
9/19/2024	XX	LFUD7X263	H8	H8	H8					H8	H8		H8	H8
10/8/2024	XX	LFUD7X1JG	F6	F6	F6					F6	F6		F6	F6
10/17/2024	XX	LFUD7X27C	H8	H8	H8					H8	H8		H8	H8
11/12/2024	XX	LFUD7X299	H8	H8	H8					H8	H8		H8	H8
12/31/2024	XX	LFUD7X2AI	H8	H8	H8					H8	H8		H8	H8

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Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/3/2015	XX	LFUD8X777	F	F	F					F	F	F	F	F
2/21/2015	XX	LFUD8X77I	F6	F6	F6					F6	F6	F6	F6	F6
3/28/2015	XX	LFUD8X7AG	F6	F6	F6					F6	F6	F6	F6	F6
4/16/2015	XX	LFUD8X7B9	F12	F12	F12					F12	F12	F12	F12	F12
4/28/2015	XX	LFUD8X7A2	100	7.9	9.7					375	10.8		1.8	0.0045
5/22/2015	XX	LFUD8X7FE	F12	F12	F12					F12	F12	F12	F12	F12
6/22/2015	XX	LFUD8X7F2	F12	F12	F12					F12	F12	F12	F12	F12
7/14/2015	XX	LFUD8X7DE	I	I	I					I	I	I	I	I
7/23/2015	XX	LFUD8X7G6	F12	F12	F12					F12	F12	F12	F12	F12
8/24/2015	XX	LFUD8X7GI	F12	F12	F12					F12	F12	F12	F12	F12
9/26/2015	XX	LFUD8X80B	H8	H8	H8					H8	H8	H8	H8	H8

(LF-UD-8)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/27/2015	XX	LFUD8X7J1	F6	F6	F6					F6	F6		F6	F6
10/31/2015	XX	LFUD8X813	F12	F12	F12					F12	F12	F12	F12	F12
11/27/2015	XX	LFUD8X81F	F6	F6	F6					F6	F6	F6	F6	F6
12/30/2015	XX	LFUD8X828	F12	F12	F12					F12	F12	F12	F12	F12
1/14/2016	XX	LFUD8X830	F12	F12	F12					F12	F12	F12	F12	F12
2/18/2016	XX	LFUD8X88C	F12	F12	F12					F12	F12	F12	F12	F12
3/17/2016	XX	LFUD8X894	F6	F6	F6					F6	F6	F6	F6	F6
4/5/2016	XX	LFUD8X87D	F6	F6	F6					F6	F6	F6	F6	F6
4/21/2016	XX	LFUD8X89G	F12	F12	F12					F12	F12	F12	F12	F12
5/26/2016	XX	LFUD8X8D2	F12	F12	F12					F12	F12	F12	F12	F12
6/27/2016	XX	LFUD8X8E6	F6	F6	F6					F6	F6	F6	F6	F6
7/20/2016	XX	LFUD8X8FA	F6	F6	F6					F6	F6	F6	F6	F6
7/26/2016	XX	LFUD8X8C3	F6	F6	F6					F6	F6		F6	F6
8/29/2016	XX	LFUD8X91C	F6	F6	F6					F6	F6		F6	F6
9/23/2016	XX	LFUD8X940	F6	F6	F6					F6	F6		F6	F6
10/25/2016	XX	LFUD8X901	D	D	D					D	D		D	D
10/31/2016	XX	LFUD8X94E	H8	H8	H8					H8	H8		H8	H8
11/29/2016	XX	LFUD8X959	F6	F6	F6					F6	F6		F6	F6
12/13/2016	XX	LFUD8X962	F6	F6	F6					F6	F6		F6	F6
1/10/2017	XX	LFUD8X9A1	A	A	A					A	A	A	A	A
2/8/2017	XX	LFUD8X9AE	A	A	A					A	A	A	A	A
3/3/2017	XX	LFUD8X9B9	A	A	A					A	A	A	A	A
4/5/2017	XX	LFUD8X998	A	A	A					A	A	A	A	A
4/18/2017	XX	LFUD8X988	65	7.4	9.5					315	9.3		1.2	0.0006
5/25/2017	XX	LFUD8X9C0	F12	F12	F12					F12	F12	F12	F12	F12
6/16/2017	XX	LFUD8X9F1	F6	F6	F6					F6	F6	F6	F6	F6
7/25/2017	XX	LFUD8X9E5	D	D	D					D	D	D	D	D
7/31/2017	XX	LFUD8X9FE	F6	F6	F6					F6	F6	F6	F6	F6
8/31/2017	XX	LFUD8X9J4	F6	F6	F6					F6	F6	F6	F6	F6
9/28/2017	XX	LFUD8X9JG	F6	F6	F6					F6	F6	F6	F6	F6
10/25/2017	XX	LFUD8X9I0	F6	F6	F6					F6	F6	F6	F6	F6
10/26/2017	XX	LFUD8XA08	F6	F6	F6					F6	F6	F6	F6	F6
11/30/2017	XX	LFUD8XA10	F6	F6	F6					F6	F6	F6	F6	F6
12/27/2017	XX	LFUD8XA1D	F	F	F					F	F	F	F	F
1/19/2018	XX	LFUD8XA4J	F6	F6	F6					F6	F6	F6	F6	F6
2/22/2018	XX	LFUD8XA5C	F6	F6	F6					F6	F6	F6	F6	F6
3/24/2018	XX	LFUD8XA98	F12	F12	F12					F12	F12	F12	F12	F12
4/3/2018	XX	LFUD8XA40	90	8.5	2.8					482	6.8		2.6	0.00223
4/28/2018	XX	LFUD8XAA1	F12	F12	F12					F12	F12	F12	F12	F12
5/11/2018	XX	LFUD8XAAE	F12	F12	F12					F12	F12	F12	F12	F12
6/2/2018	XX	LFUD8XADI	F12	F12	F12					F12	F12	F12	F12	F12
7/2/2018	XX	LFUD8XAII	F12	F12	F12					F12	F12	F12	F12	F12
7/17/2018	XX	LFUD8XAD0	D	D	D					D	D	D	D	D
8/17/2018	XX	LFUD8XAJD	F6	F6	F6					F6	F6	F6	F6	F6
9/1/2018	XX	LFUD8XB2J	F6	F6	F6					F6	F6	F6	F6	F6
10/2/2018	XX	LFUD8XB1I	F6	F6	F6					F6	F6	F6	F6	F6
10/13/2018	XX	LFUD8XB3D	F6	F6	F6					F6	F6	F6	F6	F6
11/2/2018	XX	LFUD8XB47	F6	F6	F6					F6	F6	F6	F6	F6
12/7/2018	XX	LFUD8XB86	F6	F6	F6					F6	F6	F6	F6	

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-8)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
1/3/2019	XX	LFUD8XB90	F6	F6	F6					F6	F6	F6	F6	
2/2/2019	XX	LFUD8XB9E	F6	F6	F6					F6	F6	F6	F6	
3/2/2019	XX	LFUD8XBA8	F6	F6	F6					F6	F6	F6	F6	
4/5/2019	XX	LFUD8XBB2	F6	F6	F6					F6	F6	F6	F6	F6
4/23/2019	XX	LFUD8XB6G	88	6.8	7.9					347	9.3		1.2	0.0022
5/10/2019	XX	LFUD8XBEE	F6	F6	F6					F6	F6		F6	F6
6/24/2019	XX	LFUD8XBF8	F12	F12	F12					F12	F12		F12	F12
7/16/2019	XX	LFUD8XBD7	71	8.3	26.9					305	6		2.1	
7/30/2019	XX	LFUD8XBG2	F6	F6	F6					F6	F6		F6	
8/20/2019	XX	LFUD8XBGG	H6	H6	H6					H6	H6		H6	
9/20/2019	XX	LFUD8XC09	F6	F6	F6					F6	F6		F6	F6
10/14/2019	XX	LFUD8XC13	F6	F6	F6					F6	F6		F6	F6
10/29/2019	XX	LFUD8XBIJ	105	8	10					250	10.9		2.1	0.0011
11/27/2019	XX	LFUD8XC1H	F	F	F					F	F		F	F
12/23/2019	XX	LFUD8XC37	F	F	F					F	F		F	F
1/17/2020	XX	LFUD8XC42	F	F	F					F	F		F	F
2/4/2020	XX	LFUD8XC4H	F6	F6	F6					F6	F6		F6	F6
3/27/2020	XX	LFUD8XCFD	F6	F6	F6					F6	F6		F6	F6
4/28/2020	XX	LFUD8XCE7	F6	F6	F6					F6	F6		F6	F6
4/29/2020	XX	LFUD8XCG7	F6	F6	F6					F6	F6		F6	F6
5/27/2020	XX	LFUD8XD06	F6	F6	F6					F6	F6		F6	F6
6/28/2020	XX	LFUD8XD10	F6	F6	F6					F6	F6		F6	F6
7/11/2020	XX	LFUD8XD1E	F6	F6	F6					F6	F6		F6	F6
7/21/2020	XX	LFUD8XCJ0	F6	F6	F6					F6	F6		F6	F6
8/3/2020	XX	LFUD8XD5C	F6	F6	F6					F6	F6		F6	F6
9/27/2020	XX	LFUD8XD68	F6	F6	F6					F6	F6		F6	F6
10/27/2020	XX	LFUD8XD43	D	D	D					D	D		D	D
10/31/2020	XX	LFUD8XD72	F6	F6	F6					F6	F6		F6	F6
11/29/2020	XX	LFUD8XD7G	F6	F6	F6					F6	F6		F6	F6
12/13/2020	XX	LFUD8XD8A	F6	F6	F6					F6	F6		F6	F6
1/10/2021	XX	LFUD8XDF4	A	A	A					A	A	A	A	A
2/28/2021	XX	LFUD8XDEA	A	A	A					A	A	A	A	A
3/30/2021	XX	LFUD8XDG2	F6	F6	F6					F6	F6	F6	F6	F6
4/6/2021	XX	LFUD8XDD6	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2021	XX	LFUD8XDHI	F6	F6	F6					F6	F6	F6	F6	F6
5/19/2021	XX	LFUD8XDIC	F6	F6	F6					F6	F6	F6	F6	F6
6/2/2021	XX	LFUD8XE33	F6	F6	F6					F6	F6	F6	F6	F6
7/13/2021	XX	LFUD8XE0I	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2021	XX	LFUD8XE3J	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2021	XX	LFUD8XEG1	F6	F6	F6					F6	F6	F6	F6	F6
9/18/2021	XX	LFUD8XEE3	F6	F6	F6					F6	F6	F6	F6	F6
10/5/2021	XX	LFUD8XE74	F6	F6	F6					F6	F6	F6	F6	F6
10/16/2021	XX	LFUD8XEF2	F6	F6	F6					F6	F6	F6	F6	F6
11/20/2021	XX	LFUD8XEI0	F6	F6	F6					F6	F6	F6	F6	F6
12/18/2021	XX	LFUD8XEJ2	F6	F6	F6					F6	F6	F6	F6	F6
1/16/2022	XX	LFUD8XF4I	F6	F6	F6					F6	F6	F6	F6	F6
2/20/2022	XX	LFUD8XF5I	F6	F6	F6					F6	F6	F6	F6	F6
3/20/2022	XX	LFUD8XF6I	F6	F6	F6					F6	F6	F6	F6	F6
4/15/2022	XX	LFUD8XFC9	F6	F6	F6					F6	F6	F6	F6	F6

(LF-UD-8)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/26/2022	XX	LFUD8XF1G	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2022	XX	LFUD8XFD9	F6	F6	F6					F6	F6	F6	F6	F6
6/7/2022	XX	LFUD8XFEJ	H8	H8	H8					H8	H8	H8	H8	H8
7/19/2022	XX	LFUD8XF9G	D	D	D					D	D	D	D	D
7/21/2022	XX	LFUD8XFFJ	F6	F6	F6					F6	F6	F6	F6	F6
8/8/2022	XX	LFUD8XG38	F6	F6	F6					F6	F6	F6	F6	F6
9/2/2022	XX	LFUD8XG60	F6	F6	F6					F6	F6	F6	F6	F6
10/4/2022	XX	LFUD8XFJF	D	D	D					D	D		D	F6
10/6/2022	XX	LFUD8XG92	F6	F6	F6					F6	F6		F6	F6
11/4/2022	XX	LFUD8XGAD	F6	F6	F6					F6	F6		F6	F6
12/5/2022	XX	LFUD8XGCI	F6	F6	F6					F6	F6		F6	F6
1/4/2023	XX	LFUD8XGEA	F6	F6	F6					F6	F6		F6	F6
2/1/2023	XX	LFUD8XGG1	F6	F6	F6					F6	F6		F6	F6
3/1/2023	XX	LFUD8XH35	F6	F6	F6					F6	F6		F6	F6
4/3/2023	XX	LFUD8XH4G	F6	F6	F6					F6	F6		F6	F6
4/18/2023	XX	LFUD8XGJ6	F6	F6	F6					F6	F6		F6	F6
5/3/2023	XX	LFUD8XH6F	F6	F6	F6					F6	F6		F6	F6
6/6/2023	XX	LFUD8X02I	F6	F6	F6					F6	F6		F6	F6
7/11/2023	XX	LFUD8XH9A	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LFUD8X043	F6	F6	F6					F6	F6		F6	F6
8/1/2023	XX	LFUD8X0AJ	F6	F6	F6					F6	F6		F6	F6
9/8/2023	XX	LFUD8X0C5	F6	F6	F6					F6	F6		F6	F6
10/3/2023	XX	LFUD8X06F	F6	F6	F6					F6	F6		F6	F6
10/4/2023	XX	LFUD8X0DH	F6	F6	F6					F6	F6		F6	F6
11/7/2023	XX	LFUD8X0F6	F6	F6	F6					F6	F6		F6	F6
12/20/2023	XX	LFUD8X0H4	F6	F6	F6					F6	F6		F6	F6
1/2/2024	XX	LFUD8X0J0	F6	F6	F6					F6	F6		F6	F6
2/6/2024	XX	LFUD8X109	F6	F6	F6					F6	F6		F6	F6
3/7/2024	XX	LFUD8X16A	F6	F6	F6					F6	F6		F6	F6
4/2/2024	XX	LFUD8X134	F6	F6	F6					F6	F6		F6	F6
4/3/2024	XX	LFUD8X189	F6	F6	F6					F6	F6		F6	F6
5/8/2024	XX	LFUD8X1A0	F6	F6	F6					F6	F6		F6	F6
6/5/2024	XX	LFUD8X1BB	F6	F6	F6					F6	F6		F6	F6
7/15/2024	XX	LFUD8X234	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2024	XX	LFUD8X1E9	D	D	D					D	D		D	D
8/30/2024	XX	LFUD8X24E	F6	F6	F6					F6	F6	F6	F6	F6
9/19/2024	XX	LFUD8X264	F6	F6	F6					F6	F6		F6	F6
10/8/2024	XX	LFUD8X1JH	D	D	D					D	D		D	D
10/17/2024	XX	LFUD8X27D	F6	F6	F6					F6	F6		F6	F6
11/12/2024	XX	LFUD8X29A	F6	F6	F6					F6	F6		F6	F6
12/31/2024	XX	LFUD8X2AJ	F6	F6	F6					F6	F6		F6	F6

LF-UD-9

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/5/2016	XX	LFUD9X881	F6	F6	F6					F6	F6	F6	F6	F6
7/26/2016	XX	LFUD9X8CA	F12	F12	F12					F12	F12		F12	F12
10/25/2016	XX	LFUD9X905	F6	F6	F6					F6	F6		F6	F6
10/31/2016	XX	LFUD9X94G	H8	H8	H8					H8	H8		H8	H8
11/29/2016	XX	LFUD9X95B	F6	F6	F6					F6	F6		F6	F6
12/13/2016	XX	LFUD9X964	F6	F6	F6					F6	F6		F6	F6
1/10/2017	XX	LFUD9X9A3	F6	F6	F6					F6	F6	F6	F6	F6

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-9)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/8/2017	XX	LFUD9X9AG	F6	F6	F6					F6	F6	F6	F6	F6
3/3/2017	XX	LFUD9X9B9	F6	F6	F6					F6	F6	F6	F6	F6
4/5/2017	XX	LFUD9X99A	F6	F6	F6					F6	F6	F6	F6	F6
4/18/2017	XX	LFUD9X98F	292	7.6	7.1					375	10.8		1.2	0.0011
5/25/2017	XX	LFUD9X9C2	F6	F6	F6					F6	F6	F6	F6	F6
6/16/2017	XX	LFUD9X9F3	DE	DE	DE					DE	DE	DE	DE	DE
10/25/2017	XX	LFUD9X9I4	F6	F6	F6					F6	F6	F6	F6	F6
1/19/2018	XX	LFUD9XA4H	F6	F6	F6					F6	F6	F6	F6	F6
2/22/2018	XX	LFUD9XA5A	F6	F6	F6					F6	F6	F6	F6	F6
3/24/2018	XX	LFUD9XA96	176	7.3	8					458	9	50 U	44.8	0.00334
4/3/2018	XX	LFUD9XA47	F6	F6	F6					F6	F6	F6	F6	F6
4/28/2018	XX	LFUD9XA9J	F6	F6	F6					F6	F6	F6	F6	F6
5/11/2018	XX	LFUD9XAAC	F6	F6	F6					F6	F6	F6	F6	F6
6/2/2018	XX	LFUD9XADG	F6	F6	F6					F6	F6	F6	F6	F6
7/2/2018	XX	LFUD9XAIG	F6	F6	F6					F6	F6	F6	F6	F6
7/17/2018	XX	LFUD9XAD4	D	D	D					D	D	D	D	D
8/17/2018	XX	LFUD9XAJB	F6	F6	F6					F6	F6	F6	F6	F6
9/1/2018	XX	LFUD9XB2H	F6	F6	F6					F6	F6	F6	F6	F6
10/2/2018	XX	LFUD9XB22	F6	F6	F6					F6	F6	F6	F6	F6
10/13/2018	XX	LFUD9XB3B	F6	F6	F6					F6	F6	F6	F6	F6
11/2/2018	XX	LFUD9XB45	135	7.3	10.7					379	7	25	49.6	0.0045
12/7/2018	XX	LFUD9XB84	F6	F6	F6					F6	F6	F6	F6	
1/3/2019	XX	LFUD9XB8I	F6	F6	F6					F6	F6	F6	F6	
2/2/2019	XX	LFUD9XB9C	F6	F6	F6					F6	F6	F6	F6	
3/2/2019	XX	LFUD9XBA6	F6	F6	F6					F6	F6	F6	F6	
4/5/2019	XX	LFUD9XBB0	F6	F6	F6					F6	F6	F6	F6	
4/23/2019	XX	LFUD9XB73	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2019	XX	LFUD9XBEC	201	6.6	15.1					278	7	30	9.6	0.0004
6/24/2019	XX	LFUD9XBF6	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2019	XX	LFUD9XBDD	F6	F6	F6					F6	F6	F6	F6	F6
7/30/2019	XX	LFUD9XBG0	F6	F6	F6					F6	F6	F6	F6	F6
8/20/2019	XX	LFUD9XBGE	F6	F6	F6					F6	F6	F6	F6	F6
9/20/2019	XX	LFUD9XC07	F6	F6	F6					F6	F6	F6	F6	F6
10/14/2019	XX	LFUD9XC11	F6	F6	F6					F6	F6	F6	F6	F6
10/29/2019	XX	LFUD9XBJ3	F6	F6	F6					F6	F6	F6	F6	F6
11/27/2019	XX	LFUD9XC1F	F6	F6	F6					F6	F6	F6	F6	F6
12/23/2019	XX	LFUD9XC35	F6	F6	F6					F6	F6	F6	F6	F6
1/17/2020	XX	LFUD9XC40	F6	F6	F6					F6	F6	F6	F6	F6
2/4/2020	XX	LFUD9XC4F	F6	F6	F6					F6	F6	F6	F6	F6
3/27/2020	XX	LFUD9XCFB	F6	F6	F6					F6	F6	F6	F6	F6
4/28/2020	XX	LFUD9XCED	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2020	XX	LFUD9XCG5	F6	F6	F6					F6	F6	F6	F6	F6
5/27/2020	XX	LFUD9XD04	F6	F6	F6					F6	F6	F6	F6	F6
6/28/2020	XX	LFUD9XD0I	F6	F6	F6					F6	F6	F6	F6	F6
7/11/2020	XX	LFUD9XD1C	F6	F6	F6					F6	F6	F6	F6	F6
7/21/2020	XX	LFUD9XCJ6	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2020	XX	LFUD9XD5A	F6	F6	F6					F6	F6	F6	F6	F6
9/27/2020	XX	LFUD9XD66	F6	F6	F6					F6	F6	F6	F6	F6
10/27/2020	XX	LFUD9XD47	D	D	D					D	D	D	D	D

DATA SUMMARY TABLE
Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-9)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/31/2020	XX	LFUD9XD70	F6	F6	F6					F6	F6	F6	F6	F6
11/29/2020	XX	LFUD9XD7E	F6	F6	F6					F6	F6	F6	F6	F6
12/13/2020	XX	LFUD9XD88	F6	F6	F6					F6	F6	F6	F6	F6
1/10/2021	XX	LFUD9XDF2	F6	F6	F6					F6	F6	F6	F6	F6
2/28/2021	XX	LFUD9XDE8	A	A	A					A	A	A	A	A
3/30/2021	XX	LFUD9XDG0	F6	F6	F6					F6	F6	F6	F6	F6
4/6/2021	XX	LFUD9XDDA	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2021	XX	LFUD9XDHG	F6	F6	F6					F6	F6	F6	F6	F6
5/19/2021	XX	LFUD9XDIA	F6	F6	F6					F6	F6	F6	F6	F6
6/2/2021	XX	LFUD9XE31	F6	F6	F6					F6	F6	F6	F6	F6
7/13/2021	XX	LFUD9XE11	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2021	XX	LFUD9XE3H	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2021	XX	LFUD9XEFJ	F6	F6	F6					F6	F6	F6	F6	F6
9/18/2021	XX	LFUD9XEE1	F6	F6	F6					F6	F6	F6	F6	F6
10/5/2021	XX	LFUD9XE78	F6	F6	F6					F6	F6	F6	F6	F6
10/16/2021	XX	LFUD9XEF0	F6	F6	F6					F6	F6	F6	F6	F6
11/20/2021	XX	LFUD9XEHI	F6	F6	F6					F6	F6	F6	F6	F6
12/18/2021	XX	LFUD9XEJ0	F6	F6	F6					F6	F6	F6	F6	F6
1/16/2022	XX	LFUD9XF4G	F6	F6	F6					F6	F6	F6	F6	F6
2/20/2022	XX	LFUD9XF5G	F6	F6	F6					F6	F6	F6	F6	F6
3/20/2022	XX	LFUD9XF6G	F6	F6	F6					F6	F6	F6	F6	F6
4/15/2022	XX	LFUD9XFC7	F6	F6	F6					F6	F6	F6	F6	F6
4/26/2022	XX	LFUD9XF1J	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2022	XX	LFUD9XFD7	F6	F6	F6					F6	F6	F6	F6	F6
6/7/2022	XX	LFUD9XFEH	F6	F6	F6					F6	F6	F6	F6	F6
7/19/2022	XX	LFUD9XF9J	D	D	D					D	D	D	D	D
7/21/2022	XX	LFUD9XFFH	F6	F6	F6					F6	F6	F6	F6	F6
8/8/2022	XX	LFUD9XG36	F6	F6	F6					F6	F6	F6	F6	F6
9/2/2022	XX	LFUD9XG5I	F6	F6	F6					F6	F6	F6	F6	F6
10/4/2022	XX	LFUD9XFJI	D	D	D					D	D		D	F6
10/6/2022	XX	LFUD9XG90	F6	F6	F6					F6	F6		F6	F6
11/4/2022	XX	LFUD9XGAB	F6	F6	F6					F6	F6		F6	F6
12/5/2022	XX	LFUD9XGCG	F6	F6	F6					F6	F6		F6	F6
1/4/2023	XX	LFUD9XGE8	F6	F6	F6					F6	F6		F6	F6
2/1/2023	XX	LFUD9XGFJ	F6	F6	F6					F6	F6		F6	F6
3/1/2023	XX	LFUD9XH33	F6	F6	F6					F6	F6		F6	F6
4/3/2023	XX	LFUD9XH4E	F6	F6	F6					F6	F6		F6	F6
4/18/2023	XX	LFUD9XGJ9	F6	F6	F6					F6	F6		F6	F6
5/3/2023	XX	LFUD9XH6D	F6	F6	F6					F6	F6		F6	F6
6/6/2023	XX	LFUD9X02G	F6	F6	F6					F6	F6		F6	F6
7/11/2023	XX	LFUD9XH9D	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LFUD9X041	F6	F6	F6					F6	F6		F6	F6
8/1/2023	XX	LFUD9X0AH	F6	F6	F6					F6	F6		F6	F6
9/8/2023	XX	LFUD9X0C3	F6	F6	F6					F6	F6		F6	F6
10/3/2023	XX	LFUD9X06H	F6	F6	F6					F6	F6		F6	F6
10/4/2023	XX	LFUD9X0DF	F6	F6	F6					F6	F6		F6	F6
11/7/2023	XX	LFUD9X0F4	F6	F6	F6					F6	F6		F6	F6
12/20/2023	XX	LFUD9X0H2	F6	F6	F6					F6	F6		F6	F6
1/2/2024	XX	LFUD9X0II	F6	F6	F6					F6	F6		F6	F6

(LF-UD-9)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/6/2024	XX	LFUD9X107	F6	F6	F6					F6	F6		F6	F6
3/7/2024	XX	LFUD9X168	F6	F6	F6					F6	F6		F6	F6
4/2/2024	XX	LFUD9X136	D	D	D					D	D		D	D
4/3/2024	XX	LFUD9X187	F6	F6	F6					F6	F6		F6	F6
5/8/2024	XX	LFUD9X19I	F6	F6	F6					F6	F6		F6	F6
6/5/2024	XX	LFUD9X1B9	F6	F6	F6					F6	F6		F6	F6
7/15/2024	XX	LFUD9X232	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2024	XX	LFUD9X1EB	D	D	D					D	D		D	D
8/30/2024	XX	LFUD9X24C	F6	F6	F6					F6	F6	F6	F6	F6
9/19/2024	XX	LFUD9X262	L	L	L					L	L		L	L
10/8/2024	XX	LFUD9X1JJ	D	D	D					D	D		D	D
10/17/2024	XX	LFUD9X27B	!1	!1	!1					!1	!1		!1	!1
11/12/2024	XX	LFUD9X298	H11	H11	H11					H11	H11		H11	H11
12/31/2024	XX	LFUD9X2AH	H11	H11	H11					H11	H11		H11	H11

LF-UD-10

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/25/2017	XX	LFXXXX9ID	F6	F6	F6					F6	F6		F6	F6
12/27/2017	XX	LFXXXXA1F	F6	F6	F6					F6	F6		F6	F6
1/19/2018	XX	LFXXXXA51	F6	F6	F6					F6	F6		F6	F6
2/22/2018	XX	LFXXXXA5E	119	6.8	5.1					420	9		12.9	0.00056
3/24/2018	XX	LFXXXXA9A	175	7	8.8					455	8	50 U	43.4	0.00334
4/3/2018	XX	LFXXXXA48	F6	F6	F6					F6	F6		F6	F6
4/28/2018	XX	LFXXXXAA3	F6	F6	F6					F6	F6	F6	F6	F6
5/11/2018	XX	LFXXXXAAG	F6	F6	F6					F6	F6	F6	F6	F6
6/2/2018	XX	LFXXXXAE0	F6	F6	F6					F6	F6		F6	F6
7/2/2018	XX	LFXXXXAJ0	F6	F6	F6					F6	F6		F6	F6
7/17/2018	XX	LFU10XAD6	D	D	D					D	D		D	D
8/17/2018	XX	LFXXXXAJF	F6	F6	F6					F6	F6		F6	F6
9/1/2018	XX	LFXXXXB31	F6	F6	F6					F6	F6		F6	F6
10/3/2018	XX	LFXXXXB27	F6	F6	F6					F6	F6	F6	F6	F6
10/13/2018	XX	LFXXXXB3F	F6	F6	F6					F6	F6		F6	F6
11/2/2018	XX	LFXXXXB49	134	7.3	10.6					387	7	25	49.6	0.0045
12/7/2018	XX	LFXXXXB88	F6	F6	F6					F6	F6	F6	F6	
1/3/2019	XX	LFXXXXB92	F6	F6	F6					F6	F6	F6	F6	
2/2/2019	XX	LFXXXXB9G	F6	F6	F6					F6	F6	F6	F6	
3/2/2019	XX	LFXXXXBAA	F6	F6	F6					F6	F6	F6	F6	
4/5/2019	XX	LFXXXXBB4	F6	F6	F6					F6	F6	F6	F6	
4/23/2019	XX	LFXXXXB74	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2019	XX	LFXXXXBEG	111	7.3	14.9					295	7	0 D3	49.5	0.0178
6/24/2019	XX	LFXXXXBFA	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2019	XX	LFXXXXBDE	F6	F6	F6					F6	F6	F6	F6	F6
7/30/2019	XX	LFXXXXBG4	F6	F6	F6					F6	F6	F6	F6	F6
8/20/2019	XX	LFXXXXBGI	F6	F6	F6					F6	F6	F6	F6	F6
9/20/2019	XX	LFXXXXC0B	F6	F6	F6					F6	F6	F6	F6	F6
10/14/2019	XX	LFXXXXC15	F6	F6	F6					F6	F6	F6	F6	F6
10/29/2019	XX	LFXXXXBJ7	F6	F6	F6					F6	F6	F6	F6	F6
11/27/2019	XX	LFXXXXC1J	F6	F6	F6					F6	F6	F6	F6	F6
12/23/2019	XX	LFXXXXC39	F6	F6	F6					F6	F6	F6	F6	F6
1/17/2020	XX	LFXXXXC44	F6	F6	F6					F6	F6	F6	F6	F6
2/4/2020	XX	LFXXXXC4J	F6	F6	F6					F6	F6	F6	F6	F6

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-10)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
3/27/2020	XX	LFXXXXCFF	F6	F6	F6					F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCEE	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2020	XX	LFXXXXCG9	F6	F6	F6					F6	F6	F6	F6	F6
5/27/2020	XX	LFXXXXD08	F6	F6	F6					F6	F6	F6	F6	F6
6/28/2020	XX	LFXXXXD12	F6	F6	F6					F6	F6	F6	F6	F6
7/11/2020	XX	LFXXXXD1G	F6	F6	F6					F6	F6	F6	F6	F6
7/21/2020	XX	LFXXXXCJ7	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2020	XX	LFXXXXD5E	F6	F6	F6					F6	F6	F6	F6	F6
9/27/2020	XX	LFXXXXD6A	F6	F6	F6					F6	F6	F6	F6	F6
10/27/2020	XX	LFXXXXD4B	F6	F6	F6					F6	F6	F6	F6	F6
10/31/2020	XX	LFXXXXD74	F6	F6	F6					F6	F6	F6	F6	F6
11/29/2020	XX	LFXXXXD7I	F6	F6	F6					F6	F6	F6	F6	F6
12/13/2020	XX	LFXXXXD8C	F6	F6	F6					F6	F6	F6	F6	F6
1/10/2021	XX	LFXXXXDF6	F6	F6	F6					F6	F6	F6	F6	F6
2/28/2021	XX	LFXXXXDEC	A	A	A					A	A	A	A	A
3/30/2021	XX	LFXXXXDG4	F6	F6	F6					F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDDB	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2021	XX	LFXXXXDI0	F6	F6	F6					F6	F6	F6	F6	F6
5/19/2021	XX	LFXXXXDIE	F6	F6	F6					F6	F6	F6	F6	F6
6/2/2021	XX	LFXXXXE35	F6	F6	F6					F6	F6	F6	F6	F6
7/13/2021	XX	LFXXXXE12	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2021	XX	LFXXXXE41	F6	F6	F6					F6	F6	F6	F6	F6
8/3/2021	XX	LFXXXXEG4	F6	F6	F6					F6	F6	F6	F6	F6
9/18/2021	XX	LFXXXXEE5	F6	F6	F6					F6	F6	F6	F6	F6
10/5/2021	XX	LFXXXXE7C	F6	F6	F6					F6	F6	F6	F6	F6
10/16/2021	XX	LFXXXXEF4	F6	F6	F6					F6	F6	F6	F6	F6
11/20/2021	XX	LFXXXXEI2	F6	F6	F6					F6	F6	F6	F6	F6
12/18/2021	XX	LFXXXXEJ4	F6	F6	F6					F6	F6	F6	F6	F6
1/16/2022	XX	LFXXXXF50	F6	F6	F6					F6	F6	F6	F6	F6
2/20/2022	XX	LFXXXXF60	F6	F6	F6					F6	F6	F6	F6	F6
3/20/2022	XX	LFXXXXF70	F6	F6	F6					F6	F6	F6	F6	F6
4/15/2022	XX	LFXXXXFCB	F6	F6	F6					F6	F6	F6	F6	F6
4/26/2022	XX	LFXXXXF23	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2022	XX	LFXXXXFDB	F6	F6	F6					F6	F6	F6	F6	F6
6/7/2022	XX	LFXXXXFF1	F6	F6	F6					F6	F6		F6	
7/19/2022	XX	LFXXXXFA0	D	D	D					D	D		D	D
7/21/2022	XX	LFXXXXFG1	F6	F6	F6					F6	F6		F6	
8/8/2022	XX	LFXXXXG3A	F6	F6	F6					F6	F6		F6	
9/2/2022	XX	LFXXXXG62	F6	F6	F6					F6	F6		F6	
10/4/2022	XX	LFXXXXG02	D	D	D					D	D		D	F6
10/6/2022	XX	LFXXXXG94	F6	F6	F6					F6	F6		F6	F6
11/4/2022	XX	LFXXXXGAF	F6	F6	F6					F6	F6		F6	F6
12/5/2022	XX	LFXXXXGD0	F6	F6	F6					F6	F6		F6	F6
1/4/2023	XX	LFXXXXGEC	F6	F6	F6					F6	F6		F6	F6
2/1/2023	XX	LFXXXXGG3	F6	F6	F6					F6	F6		F6	F6
3/1/2023	XX	LFXXXXH37	F6	F6	F6					F6	F6		F6	F6
4/3/2023	XX	LFXXXXH4I	F6	F6	F6					F6	F6		F6	F6
4/18/2023	XX	LFXXXXGJD	F6	F6	F6					F6	F6		F6	F6
5/3/2023	XX	LFXXXXH6H	F6	F6	F6					F6	F6		F6	F6

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-10)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
6/6/2023	XX	LFXXXX030	F6	F6	F6					F6	F6		F6	F6
7/11/2023	XX	LFXXXXH9E	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LFXXXX045	F6	F6	F6					F6	F6		F6	F6
8/1/2023	XX	LFXXXX0B1	F6	F6	F6					F6	F6		F6	F6
9/8/2023	XX	LFXXXX0C7	F6	F6	F6					F6	F6		F6	F6
10/3/2023	XX	LFXXXX06I	D	D	D					D	D		D	D
10/4/2023	XX	LFXXXX0DJ	F6	F6	F6					F6	F6		F6	F6
11/7/2023	XX	LFXXXX0F8	F6	F6	F6					F6	F6		F6	F6
12/20/2023	XX	LFXXXX0H6	F6	F6	F6					F6	F6		F6	F6
1/2/2024	XX	LFXXXX0J2	F6	F6	F6					F6	F6		F6	F6
2/6/2024	XX	LFXXXX10B	F6	F6	F6					F6	F6		F6	F6
3/7/2024	XX	LFXXXX16C	F6	F6	F6					F6	F6		F6	F6
4/2/2024	XX	LFXXXX137	D	D	D					D	D		D	D
4/3/2024	XX	LFXXXX18B	F6	F6	F6					F6	F6		F6	F6
5/8/2024	XX	LFXXXX1A2	F6	F6	F6					F6	F6		F6	F6
6/5/2024	XX	LFXXXX1BD	F6	F6	F6					F6	F6		F6	F6
7/15/2024	XX	LFXXXX236	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2024	XX	LFXXXX1EC	D	D	D					D	D		D	D
8/30/2024	XX	LFXXXX24G	F6	F6	F6					F6	F6	F6	F6	F6
9/19/2024	XX	LFXXXX266	L	L	L					L	L		L	L
10/8/2024	XX	LFXXXX200	D	D	D					D	D		D	D
10/17/2024	XX	LFXXXX27F	!1	!1	!1					!1	!1		!1	!1
11/12/2024	XX	LFXXXX29C	H11	H11	H11					H11	H11		H11	H11
12/31/2024	XX	LFXXXX2B1	H11	H11	H11					H11	H11		H11	H11

LF-UD-12+13+14

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/6/2021	XX	LFX12XDFB	D	D	D					D	D		D	D
8/8/2022	XX	GWXXXXG4G	F6	F6	F6					F6	F6		F6	
9/2/2022	XX	LFXXXXG69	F6	F6	F6					F6	F6		F6	
10/4/2022	XX	LFXXXXG2A	D	D	D					D	D		D	
10/6/2022	XX	LFXXXXG9B	I	I	I					I	I		I	
11/4/2022	XX	LFXXXXGB2	I	I	I					I	I		I	
12/5/2022	XX	LFXXXXGD7	F6	F6	F6					F6	F6		F6	
1/4/2023	XX	LFXXXXGEJ	146	7.8	10.7					361	6	50 <	14.1	0.0001
2/1/2023	XX	LFXXXXGGA	100	7.7	9.4					347	6	500 >	8.3	0.0001
3/1/2023	XX	LFXXXXH3E	FI	FI	FI					FI	FI	FI	FI	FI
4/3/2023	XX	LFXXXXH55	F6	F6	F6					F6	F6	F6	F6	F6
4/18/2023	XX	LFXXXXH1G	130	7.5	10.9					337	8.9		0.6	0.0011
5/3/2023	XX	LFXXXXH72	F6	F6	F6					F6	F6	F6	F6	F6
6/6/2023	XX	LFXXXX035	F6	F6	F6					F6	F6	F6	F6	F6
7/11/2023	XX	LFXXXX01F	138	6.2	20.1					427	4.9		0.5	0.0011
7/18/2023	XX	LFXXXX04A	F6	F6	F6					F6	F6	F6	F6	F6
8/1/2023	XX	LFXXXX0B6	756	7.9	23					305	5	110	120.8	0.0001
9/8/2023	XX	LFXXXX0CC	F6	F6	F6					F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX0A2	F6	F6	F6					F6	F6	F6	F6	F6
10/4/2023	XX	LFXXXX0E4	F6	F6	F6					F6	F6	F6	F6	F6
11/7/2023	XX	LFXXXX0FD	F6	F6	F6					F6	F6	F6	F6	F6
12/20/2023	XX	LFXXXX0HB	187	7.9	11.4					315	6	135	35.4	0.0001
1/2/2024	XX	LFXXXX0J7	F6	F6	F6					F6	F6	F6	F6	F6
2/6/2024	XX	LFXXXX10G	F6	F6	F6					F6	F6	F6	F6	F6

(LF-UD-12+13+14)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
3/7/2024	XX	LFXXXX16H	131	7.8	11.8					318	6	175	89.1	0.0017
4/2/2024	XX	LFXXXX15G	142	6.9	0.8					442	8.4		0.6	0.0006
4/3/2024	XX	LFXXXX18G	F6	F6	F6					F6	F6		F6	F6
5/8/2024	XX	LFXXXX1A7	F6	F6	F6					F6	F6		F6	F6
6/5/2024	XX	LFXXXX1BI	F6	F6	F6					F6	F6		F6	F6
7/15/2024	XX	LFXXXX23B	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2024	XX	LFXXXX1GD	D	D	D					D	D		D	D
8/30/2024	XX	LFXXXX251	A	A	A					A	A	A	A	A
9/19/2024	XX	LFXXXX26B	L	L	L					L	L		L	L
10/8/2024	XX	LFXXXX226	F6	F6	F6					F6	F6		F6	F6
10/17/2024	XX	LFXXXX280	A	A	A					A	A		A	A
11/12/2024	XX	LFXXXX29H	H11	H11	H11					H11	H11		H11	H11
12/31/2024	XX	LFXXXX2B6	H11	H11	H11					H11	H11		H11	H11

LP-COMP

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
3/28/2015	XX	LPCMPX7AH	320	7.1	11.4					387	4.5	135	1.78	
4/16/2015	XX	LPCMPX7BA	261	7.5	17.6					370	8	125	1.74	
7/23/2015	XX	LPCMPX7G7	326	7.2	20.2					350	9	155	0.4	
8/24/2015	XX	LPCMPX7GJ	317	7	20.2					361	6	160	0.2	
10/31/2015	XX	LPCMPX814	284	7.4	13.8					353	8	130	0.5	
11/27/2015	XX	LPCMPX81G	312	7	15					377	8	170	0.8	
12/2/2015	XX	LPCOMX62D	271	7.3	20.4					331	8	160	0.4	
12/30/2015	XX	LPCMPX829	306	7.2	8.8					361	10	160	0.9	
1/14/2016	XX	LPCMPX831	307	6.4	6.2					327	8	150	0.5	
2/18/2016	XX	LPCMPX88D	285	7.2	11.2					346	8	145	1	
3/17/2016	XX	LPCMPX895	305	7	11.3					331	10	155	0.4	
4/21/2016	XX	LPCMPX89H	302	7.1	11.9					335	9	120	1.3	
5/26/2016	XX	LPCMPX8D3	313	7	16.6					285	7	160	0.3	
6/27/2016	XX	LPCMPX8E7	333	6.6	17.9					520	7	165	0.8	
7/20/2016	XX	LPCMPX8FB	328	6.7	20.3					362	7	155	0.3	
8/29/2016	XX	LPCMPX91D	261	6.44	21.2					346	7	125	0.5	
9/23/2016	XX	LPCMPX941	265	6.63	18					313	7	130	0.3	
10/31/2016	XX	LPCMPX94F	250	6.84	15.1					347	4	75	0.3	
11/29/2016	XX	LPCMPX95A	269	7.25	7.5					378	6	110	0.6	
12/13/2016	XX	LPCMPX963	143	7.5	5.8					362	9	115	0.2	
1/10/2017	XX	LPCMPX9A2	122	7.05	13.6					364	7	110	0.4	
2/8/2017	XX	LPCMPX9AF	123	6.95	10.5					377	5	95	0.7	
3/3/2017	XX	LPCMPX9B8	92	6.91	15.1					370	6	75	2	
4/5/2017	XX	LPCMPX999	115	6.88	18.4					362	6	95	0.4	
5/25/2017	XX	LPCMPX9C1	205	6.6	13.8					359	3	90	0.6	
6/16/2017	XX	LPCMPX9F2	235	6.9	14					346	7	115	0.6	
7/31/2017	XX	LPCMPX9FF	333	7.1	21.2					330	7	180	0.6	
8/31/2017	XX	LPCMPX9J5	325	6.8	19.1					346	7	180	0.2	
9/28/2017	XX	LPCMPX9JH	324	7.3	18.3					330	7	125	0.3	
10/26/2017	XX	LPCMPXA09	317	6.8	17.1					415	7	165	1.7	
11/30/2017	XX	LPCMPXA11	311	7.3	12					367	6	165	0.7	
12/27/2017	XX	LPCMPXA1E	304	6.2	11.4					376	7	140	1	
1/19/2018	XX	LPCMPXA50	306	7	6.9					389	8	150	0.2	
2/22/2018	XX	LPCMPXA5D	297	7.5	7					386	9	110	1.3	
3/24/2018	XX	LPCMPXA99	310	6.5	9.1					396	9	120	2.1	

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(LP-COMP)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/28/2018	XX	LPCMPXAA2	257	7.2	14.6					415	10	125	0.5	
5/11/2018	XX	LPCMPXAAF	294	6.9	10.8					415	9	110	2	
6/2/2018	XX	LPCMPXADJ	472	6.7	13.8					373	7	120	0.4	
7/2/2018	XX	LPCMPXAIJ	332	7.2	19.1					359	8	130	0.6	
8/17/2018	XX	LPCMPXAJE	335	6.7	21.3					324	8	130	3.2	
9/1/2018	XX	LPCMPXB30	320	6.7	18.7					369	7	130	0.9	
10/13/2018	XX	LPCMPXB3E	313	6	15.3					363	6	130	1.2	
11/2/2018	XX	LPCMPXB48	269	6.6	12.1					354	8	110	2.2	
12/7/2018	XX	LPCMPXB87	235	6.1	8.2					359	8	125	2.5	
1/3/2019	XX	LPCMPXB91	310	6.8	5.2					375	7	125	4.7	
2/2/2019	XX	LPCMPXB9F	429	7.7	3.4					378	7	130	7.4	
3/2/2019	XX	LPCMPXBA9	289	6.4	6					356	6	130	2.1	
4/5/2019	XX	LPCMPXBB3	260	8.1	13.1					363	7	130	0.9	
5/10/2019	XX	LPCMPXBEF	248	6.8	13.8					327	6	130	0.9	
6/24/2019	XX	LPCMPXBF9	270	7.2	15.1					366	8	125	0.5	
7/30/2019	XX	LPCMPXBG3	280	7.1	20					354	8	150	0.4	
8/20/2019	XX	LPCMPXBGH	273	7.4	25.1					352	8	140	0.2	
9/20/2019	XX	LPCMPXC0A	294	7.2	21.7					361	6	125	0.2	
10/14/2019	XX	LPCMPXC14	267	7.3	18.5					347	10	140	0.3	
11/27/2019	XX	LPCMPXC1I	245	7.5	21					389	8	145	1.6	
12/23/2019	XX	LPCMPXC38	285	7.3	9.3					378		125	0.6	
1/17/2020	XX	LPCMPXC43	247	7.2	7.8					415	10	135	1.8	
2/4/2020	XX	LPCMPXC4I	256	7.2	10.2					361	10	100	1.1	
3/27/2020	XX	LPCMPXCFE	225	7.3	10.7					418	6	135	0.5	
4/29/2020	XX	LPCMPXCG8	268	7.2	14.8					352	8	140	1.6	
5/27/2020	XX	LPCMPXD07	238	7.1	21.3					348	6	150	0.3	
6/28/2020	XX	LPCMPXD11	275	7	22.4					322	6	150	1.8	
7/11/2020	XX	LPCMPXD1F	293	6.9	22.2					352	5	175	0.2	
8/3/2020	XX	LPCMPXD5D	303	7	22.4					360	6	160	0.1	
9/27/2020	XX	LPCMPXD69	285	7.2	18					416	5	175	0.1	
10/31/2020	XX	LPCMPXD73	288	7.4	14.5					403	8	150	1.2	
11/29/2020	XX	LPCMPXD7H	286	7.3	14.9					426	6	150	0.8	
12/13/2020	XX	LPCMPXD8B	274	7.1	11.9					385	6	135	2.7	
1/10/2021	XX	LPCMPXDF5	289	7.4	15.7					390	6	150	0.8	
2/28/2021	XX	LPCMPXDEB	267	7.4	11.9					350	8	150	1.4	
3/30/2021	XX	LPCMPXDG3	261	7.3	14.9					402	8	130	6.5	
4/29/2021	XX	LPCMPXDHJ	314	7.3	15					373	8	150	0.9	
5/19/2021	XX	LPCMPXDID	314	7.5	21.2					394	7	145	1.3	
6/2/2021	XX	LPCMPXE34	262	7.2	19.6					344	6	150	0.8	
7/16/2021	XX	LPCMPXE40	333	6.9	23.8					386	9	160	0.8	
8/3/2021	XX	LPCMPXEG3	306	7	23.4					409	8	160	2.5	
9/18/2021	XX	LPCMPXEE4	365	6.7	19.9					366	7	150	21.3	
10/16/2021	XX	LPCMPXEF3	253	7	17.6					352	5	160	8.1	
11/20/2021	XX	LPCMPXEI1	362	7.8	13.9					328	6	175	5.8	
12/18/2021	XX	LPCMPXEJ3	277	7.2	13.5					341	6	150	15.2	
1/16/2022	XX	LPCMPXF4J	254	7	15.4					337	8	110	4.8	
2/20/2022	XX	LPCMPXF5J	245	6.8	11.3					335	6	130	5.6	
3/20/2022	XX	LPCMPXF6J	288	7	10.9					346	8	150	2.8	
4/15/2022	XX	LPCMPXFCA	292	7	19.4					304	8	140	4.8	

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Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
5/10/2022	XX	LPCMPXFDA	294	7.3	19.8					342	8	150	42.7	
6/7/2022	XX	LPCMPXFF0	328	2.2	21.1					329	6	175	1.2	
7/21/2022	XX	LPCMPXFG0	332	7.2	22.2					325	5	175	1.2	
8/8/2022	XX	LPCMPXG39	F6	F6	F6					F6	F6	F6	F6	
9/2/2022	XX	LPCMPXG61	336	7	18					365	5	150	5.9	
10/6/2022	XX	LPCMPXG93	308	7.1	13.8					299	6	150	1.2	
11/4/2022	XX	LPCMPXGAE	314	6.7	10.2					332	6	150	2.8	
12/5/2022	XX	LPCMPXGCJ	320	6.7	9.2					326	6	175	2.3	
1/4/2023	XX	LPCMPXGEB	321	7.1	8.4					385	6	110	0.4	
2/1/2023	XX	LPCMPXGG2	318	7.5	11.6					360	6	125	3.9	
3/1/2023	XX	LPCMPXH36	316	7.6	12					381	6	125	11.7	
4/3/2023	XX	LPCMPXH4H	309	7.5	14.9					351	6	115	49.2	
5/3/2023	XX	LPCMPXH6G	296	7.2	13.9					311	6	125	37.5	
6/6/2023	XX	LPCMPX02J	352	7.3	16.8					333	6	120	29.5	
7/18/2023	XX	LPCMPX044	482	6.8	22.7					357	6	135	20.9	
8/1/2023	XX	LPCMPX0B0	332	7	21					312	8	135	11.9	
9/8/2023	XX	LPCMPX0C6	344	7.1	23.9					342	5	140	53.1	
10/4/2023	XX	LPCMPX0DI	334	6.9	22.3					341	6	150	15.4	
11/7/2023	XX	LPCMPX0F7	321	6.9	16.7					361	6	150	6	
12/20/2023	XX	LPCMPX0H5	298	7.2	10.9					342	6	125	6.1	
1/2/2024	XX	LPCMPX0J1	288	7.1	13.3					346	6	135	2.4	
2/6/2024	XX	LPCMPX10A	357	7.4	13.1					351	6	150	1.8	
3/7/2024	XX	LPCMPX16B	267	7.2	11.9					341	6	135	3.8	
4/3/2024	XX	LPCMPX18A	321	7.2	15.2					345	6	125	2.2	
5/8/2024	XX	LPCMPX1A1	339	6.6	14.7					351	6	175	3.5	
6/5/2024	XX	LPCMPX1BC	309	7.3	22.1					297	8	125	0.8	
7/15/2024	XX	LPCMPX235	326	6.7	21.4					314	8	80	1.8	
8/30/2024	XX	LPCMPX24F	327	7.2	22.2					214	6	112.5	37.2	
9/19/2024	XX	LPCMPX265	384	7.1	23.4					374	5	125	1.4	
10/17/2024	XX	LPCMPX27E	346	7.3	20.8					344	6	125	3.3	
11/12/2024	XX	LPCMPX29B	342	7.6	18.6					297	8	150	6.8	
12/31/2024	XX	LPCMPX2B0	347	7.2	17.2					318	10	150	3	

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Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/3/2015	XX	LPUD1X76J	F12	F12	F12					F12	F12	F12	F12	
2/21/2015	XX	LPUD1X77A	F6	F6	F6					F6	F6	F6	F6	
3/28/2015	XX	LPUD1X7A8	H9	H9	H9					H9	H9	H9	H9	
4/16/2015	XX	LPUD1X7B1	H9	H9	H9					H9	H9	H9	H9	
4/28/2015	XX	LPUD1X794	F6	F6	F6					F6	F6	F6	F6	
5/22/2015	XX	LPUD1X7F6	F6	F6	F6					F6	F6	F6	F6	
6/22/2015	XX	LPUD1X7EE	F6	F6	F6					F6	F6	F6	F6	
7/14/2015	XX	LPUD1X7CG	F6	F6	F6					F6	F6	F6	F6	
7/23/2015	XX	LPUD1X7FI	H9	H9	H9					H9	H9	H9	H9	
8/24/2015	XX	LPUD1X7GA	H9	H9	H9					H9	H9	H9	H9	
9/26/2015	XX	LPUD1X803	F6	F6	F6					F6	F6	F6	F6	
10/26/2015	XX	LPUD1X7I5	F6	F6	F6					F6	F6		F6	
10/31/2015	XX	LPUD1X80F	H9	H9	H9					H9	H9	H9	H9	H9
11/27/2015	XX	LPUD1X817	H9	H9	H9					H9	H9	H9	H9	H9
12/30/2015	XX	LPUD1X820	H9	H9	H9					H9	H9	H9	H9	H9
1/14/2016	XX	LPUD1X82C	H9	H9	H9					H9	H9	H9	H9	H9

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Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/18/2016	XX	LPUD1X884	H9	H9	H9					H9	H9	H9	H9	H9
3/17/2016	XX	LPUD1X88G	H9	H9	H9					H9	H9	H9	H9	H9
4/5/2016	XX	LPUD1X86F	F6	F6	F6					F6	F6	F6	F6	F6
4/21/2016	XX	LPUD1X898	H9	H9	H9					H9	H9	H9	H9	H9
5/26/2016	XX	LPUD1X8CE	H9	H9	H9					H9	H9	H9	H9	H9
6/27/2016	XX	LPUD1X8DI	H9	H9	H9					H9	H9	H9	H9	H9
7/20/2016	XX	LPUD1X8F2	F6	F6	F6					F6	F6	F6	F6	F6
7/26/2016	XX	LPUD1X8B5	F6	F6	F6					F6	F6	F6	F6	F6
8/29/2016	XX	LPUD1X90D	F6	F6	F6					F6	F6	F6	F6	F6
9/23/2016	XX	LPUD1X93C	F12	F12	F12					F12	F12	F12	F12	F12
10/25/2016	XX	LPUD1X8J4	F6	F6	F6					F6	F6	F6	F6	F6
10/31/2016	XX	LPUD1X946	H9	H9	H9					H9	H9	H9	H9	H9
11/29/2016	XX	LPUD1X951	H9	H9	H9					H9	H9	H9	H9	H9
12/13/2016	XX	LPUD1X95E	H9	H9	H9					H9	H9	H9	H9	H9
1/10/2017	XX	LPUD1X99D	H9	H9	H9					H9	H9	H9	H9	H9
2/8/2017	XX	LPUD1X9A6	H9	H9	H9					H9	H9	H9	H9	H9
3/3/2017	XX	LPUD1X9AJ	H9	H9	H9					H9	H9	H9	H9	H9
4/5/2017	XX	LPUD1X990	H9	H9	H9					H9	H9	H9	H9	H9
4/18/2017	XX	LPUD1X97A	F6	F6	F6					F6	F6	F6	F6	F6
5/25/2017	XX	LPUD1X9BC	H9	H9	H9					H9	H9	H9	H9	H9
6/16/2017	XX	LPUD1X9ED	H9	H9	H9					H9	H9	H9	H9	H9
7/25/2017	XX	LPUD1X9D8	F6	F6	F6					F6	F6	F6	F6	F6
7/31/2017	XX	LPUD1X9F6	H9	H9	H9					H9	H9	H9	H9	H9
8/31/2017	XX	LPUD1X9IG	H9	H9	H9					H9	H9	H9	H9	H9
9/28/2017	XX	LPUD1X9J8	H9	H9	H9					H9	H9	H9	H9	H9
10/25/2017	XX	LPUD1X9H3	F6	F6	F6					F6	F6	F6	F6	F6
10/26/2017	XX	LPUD1XA00	H9	H9	H9					H9	H9	H9	H9	H9
11/30/2017	XX	LPUD1XA0C	H9	H9	H9					H9	H9	H9	H9	H9
12/27/2017	XX	LPUD1XA15	H9	H9	H9					H9	H9	H9	H9	H9
1/19/2018	XX	LPUD1XA4B	H9	H9	H9					H9	H9	H9	H9	H9
2/22/2018	XX	LPUD1XA54	H9	H9	H9					H9	H9	H9	H9	H9
3/24/2018	XX	LPUD1XA90	H9	H9	H9					H9	H9	H9	H9	H9
4/3/2018	XX	LPUD1XA32	F6	F6	F6					F6	F6	F6	F6	F6
4/28/2018	XX	LPUD1XA9D	H9	H9	H9					H9	H9	H9	H9	H9
5/11/2018	XX	LPUD1XAA6	H9	H9	H9					H9	H9	H9	H9	H9
6/2/2018	XX	LPUD1XADA	H9	H9	H9					H9	H9	H9	H9	H9
7/2/2018	XX	LPUD1XAIA	H9	H9	H9					H9	H9	H9	H9	H9
7/17/2018	XX	LPUD1XAC3	F6	F6	F6					F6	F6	F6	F6	F6
8/17/2018	XX	LPUD1XAJ5	H9	H9	H9					H9	H9	H9	H9	H9
9/1/2018	XX	LPUD1XB2B	H9	H9	H9					H9	H9	H9	H9	H9
10/2/2018	XX	LPUD1XB11	F6	F6	F6					F6	F6	F6	F6	F6
10/13/2018	XX	LPUD1XB35	H9	H9	H9					H9	H9	H9	H9	H9
11/2/2018	XX	LPUD1XB3J	H9	H9	H9					H9	H9	H9	H9	H9
12/7/2018	XX	LPUD1XB7I	H9	H9	H9					H9	H9	H9	H9	
1/3/2019	XX	LPUD1XB8C	H9	H9	H9					H9	H9	H9	H9	
2/2/2019	XX	LPUD1XB96	H9	H9	H9					H9	H9	H9	H9	
3/2/2019	XX	LPUD1XBA0	H9	H9	H9					H9	H9	H9	H9	
4/5/2019	XX	LPUD1XBAE	H9	H9	H9					H9	H9	H9	H9	H9
4/23/2019	XX	LPUD1XB5I	241	7.1	6.2					370	2.5		0.4	0.0011

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SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(LP-UD-1)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
5/10/2019	XX	LPUD1XBE6	H9	H9	H9					H9	H9		H9	H9
6/24/2019	XX	LPUD1XBF0	H9	H9	H9					H9	H9		H9	H9
7/16/2019	XX	LPUD1XBCA	F6	F6	F6					F6	F6		F6	F6
7/30/2019	XX	LPUD1XBFE	H9	H9	H9					H9	H9		H9	H9
8/20/2019	XX	LPUD1XBG8	H9	H9	H9					H9	H9		H9	H9
9/20/2019	XX	LPUD1XC01	H9	H9	H9					H9	H9		H9	H9
10/14/2019	XX	LPUD1XC0F	H9	H9	H9					H9	H9		H9	H9
10/29/2019	XX	LPUD1XBI3	F6	F6	F6					F6	F6		F6	F6
11/27/2019	XX	LPUD1XC19	H9	H9	H9					H9	H9		H9	H9
12/23/2019	XX	LPUD1XC2J	H9	H9	H9					H9	H9		H9	H9
1/17/2020	XX	LPUD1XC3E	H9	H9	H9					H9	H9		H9	H9
2/4/2020	XX	LPUD1XC49	H9	H9	H9					H9	H9		H9	H9
3/27/2020	XX	LPUD1XCF6	H9	H9	H9					H9	H9		H9	H9
4/28/2020	XX	LPUD1XCDA	F6	F6	F6					F6	F6		F6	F6
4/29/2020	XX	LPUD1XCG0	H9	H9	H9					H9	H9		H9	H9
5/27/2020	XX	LPUD1XCJJ	H9	H9	H9					H9	H9		H9	H9
6/28/2020	XX	LPUD1XD0D	H9	H9	H9					H9	H9		H9	H9
7/11/2020	XX	LPUD1XD17	H9	H9	H9					H9	H9		H9	H9
7/22/2020	XX	LPUD1XCI3	F6	F6	F6					F6	F6		F6	F6
8/3/2020	XX	LPUD1XD55	H9	H9	H9					H9	H9		H9	H9
9/27/2020	XX	LPUD1XD61	H9	H9	H9					H9	H9		H9	H9
10/27/2020	XX	LPUD1XD37	F6	F6	F6					F6	F6		F6	F6
10/31/2020	XX	LPUD1XD6F	H9	H9	H9					H9	H9		H9	H9
12/13/2020	XX	LPUD1XD83	H9	H9	H9					H9	H9		H9	H9
1/10/2021	XX	LPUD1XDEH	H9	H9	H9					H9	H9	H9	H9	H9
2/28/2021	XX	LPUD1XDE3	H9	H9	H9					H9	H9	H9	H9	H9
3/30/2021	XX	LPUD1XDFF	H9	H9	H9					H9	H9	H9	H9	H9
4/6/2021	XX	LPUD1XDC9	F6	F6	F6					F6	F6	F6	F6	F6
4/29/2021	XX	LPUD1XDHB	H9	H9	H9					H9	H9	H9	H9	H9
5/19/2021	XX	LPUD1XDI5	H9	H9	H9					H9	H9	H9	H9	H9
6/2/2021	XX	LPUD1XE2G	H9	H9	H9					H9	H9	H9	H9	H9
7/13/2021	XX	LPUD1XE01	F6	F6	F6					F6	F6	F6	F6	F6
7/16/2021	XX	LPUD1XE3C	H9	H9	H9					H9	H9	H9	H9	H9
8/3/2021	XX	LPUD1XEFE	H9	H9	H9					H9	H9	H9	H9	H9
9/18/2021	XX	LPUD1XEDG	357	6.7	20.4					365	6	125	11	0.143
10/5/2021	XX	LPUD1XE69	F6	F6	F6					F6	F6	F6	F6	F6
10/16/2021	XX	LPUD1XEEF	251	6.9	19.8					349	6	150	5	0.2152
11/20/2021	XX	LPUD1XEHD	H9	H9	H9					H9	H9	H9	H9	H9
12/18/2021	XX	LPUD1XEIF	H9	H9	H9					H9	H9	H9	H9	H9
1/16/2022	XX	LPUD1XF4B	H9	H9	H9					H9	H9	H9	H9	H9
2/20/2022	XX	LPUD1XF5B	H9	H9	H9					H9	H9	H9	H9	H9
3/20/2022	XX	LPUD1XF6B	H9	H9	H9					H9	H9	H9	H9	H9
4/15/2022	XX	LPUD1XFC2	H9	H9	H9					H9	H9	H9	H9	H9
4/26/2022	XX	LPUD1XF11	F6	F6	F6					F6	F6	F6	F6	F6
5/10/2022	XX	LPUD1XFD2	H9	H9	H9					H9	H9	H9	H9	H9
6/7/2022	XX	LPUD1XFEC	H9	H9	H9					H9	H9	H9	H9	H9
7/19/2022	XX	LPUD1XF8J	D	D	D					D	D	D	D	D
7/21/2022	XX	LPUD1XFFC	H9	H9	H9					H9	H9	H9	H9	H9
8/8/2022	XX	LPUD1XG31	H9	H9	H9					H9	H9	H9	H9	H9

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(LP-UD-1)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
9/2/2022	XX	LPUD1XG5D	H9	H9	H9					H9	H9	H9	H9	H9
10/4/2022	XX	LPUD1XFJ0	D	D	D					D	D		D	F6
10/6/2022	XX	LPUD1XG8F	H9	H9	H9					H9	H9		H9	H9
11/4/2022	XX	LPUD1XGA6	H9	H9	H9					H9	H9		H9	H9
12/5/2022	XX	LPUD1XGCB	H9	H9	H9					H9	H9		H9	H9
1/4/2023	XX	LPUD1XGE3	H9	H9	H9					H9	H9		H9	H9
2/1/2023	XX	LPUD1XGFE	H9	H9	H9					H9	H9		H9	H9
3/1/2023	XX	LPUD1XH2I	H9	H9	H9					H9	H9		H9	H9
4/3/2023	XX	LPUD1XH49	H9	H9	H9					H9	H9		H9	H9
4/18/2023	XX	LPUD1XGIB	F6	F6	F6					F6	F6		F6	F6
5/3/2023	XX	LPUD1XH68	H9	H9	H9					H9	H9		H9	H9
6/6/2023	XX	LPUD1X02B	H9	H9	H9					H9	H9		H9	H9
7/11/2023	XX	LPUD1XH8D	F6	F6	F6					F6	F6		F6	F6
7/18/2023	XX	LPUD1X03G	H9	H9	H9					H9	H9		H9	H9
8/1/2023	XX	LPUD1X0AC	H9	H9	H9					H9	H9		H9	H9
9/8/2023	XX	LPUD1X0BI	H9	H9	H9					H9	H9		H9	H9
10/3/2023	XX	LPUD1X061	F6	F6	F6					F6	F6		F6	F6
10/4/2023	XX	LPUD1X0DA	H9	H9	H9					H9	H9		H9	H9
11/7/2023	XX	LPUD1X0EJ	H9	H9	H9					H9	H9		H9	H9
12/20/2023	XX	LPUD1X0GH	H9	H9	H9					H9	H9		H9	H9
1/2/2024	XX	LPUD1X0ID	H9	H9	H9					H9	H9		H9	H9
2/6/2024	XX	LPUD1X102	H9	H9	H9					H9	H9		H9	H9
3/7/2024	XX	LPUD1X163	H9	H9	H9					H9	H9		H9	H9
4/2/2024	XX	LPUD1X12B	F6	F6	F6					F6	F6		F6	F6
4/3/2024	XX	LPUD1X182	H9	H9	H9					H9	H9		H9	H9
5/8/2024	XX	LPUD1X19D	H9	H9	H9					H9	H9		H9	H9
6/5/2024	XX	LPUD1X1B4	H9	H9	H9					H9	H9		H9	H9
7/15/2024	XX	LPUD1X22H	H9	H9	H9					H9	H9	H9	H9	H9
7/16/2024	XX	LPUD1X1DD	F6	F6	F6					F6	F6		F6	F6
8/30/2024	XX	LPUD1X247	H9	H9	H9					H9	H9	H9	H9	H9
9/19/2024	XX	LPUD1X25H	H9	H9	H9					H9	H9		H9	H9
10/8/2024	XX	LPUD1X1J4	F6	F6	F6					F6	F6		F6	F6
10/17/2024	XX	LPUD1X276	H9	H9	H9					H9	H9		H9	H9
11/12/2024	XX	LPUD1X293	H9	H9	H9					H9	H9		H9	H9
12/31/2024	XX	LPUD1X2AC	H9	H9	H9					H9	H9		H9	H9

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Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/3/2015	XX	LPUD2X770	310	7.6	12.6					375	5.5	150	0.27	0.0011
2/21/2015	XX	LPUD2X77B	241	7.8	17.5					352	7.5	150	0.87	0.0007
3/28/2015	XX	LPUD2X7A9	281	7.1	11.7					393	5.5	125	1.06	0.0017
4/16/2015	XX	LPUD2X7B2	294	7.6	18.8					370	9	125	0.95	0.0015
4/28/2015	XX	LPUD2X795	302	7.4	7.2					333	8.8		1.3	0.0033
5/22/2015	XX	LPUD2X7F7	174	7.2	18.8					370	8	150	0.7	0.0006
6/22/2015	XX	LPUD2X7EF	321	7.1	21.8					287	7	160	0.34	0.0006
7/14/2015	XX	LPUD2X7CH	309	7	15.5					335	7.6		0.4	0.0045
7/23/2015	XX	LPUD2X7FJ	324	7.1	19.6					363	7	130	0.1	
8/24/2015	XX	LPUD2X7GB	329	7	19					350	7	165	0.4	0.0007
9/26/2015	XX	LPUD2X804	309	7	19.9					364	7	155	0.1	0.0004
10/27/2015	XX	LPUD2X7I6	283	7.7	12.5					336	8		0.3	0.0033
10/31/2015	XX	LPUD2X80G	H5	H5	H5					H5	H5	H5	H5	H5

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(LP-UD-2)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
11/27/2015	XX	LPUD2X818	315	7.2	13.3					374	9	160	0.3	0.0007
12/30/2015	XX	LPUD2X821	305	7.2	7.8					361	9	140	0.03	0.0004
1/14/2016	XX	LPUD2X82D	310	6.8	4.4					332	8	155	0.01 U	0.0006
2/18/2016	XX	LPUD2X885	283	7.3	9.6					354	8	155	0.7	0.0006
3/17/2016	XX	LPUD2X88H	311	7.1	9.4					333	9	160	0.4	0.0006
4/5/2016	XX	LPUD2X86G	302	7.5	5.1					205	9.2		0.6	0.0033
4/21/2016	XX	LPUD2X899	305	7.2	10.9					290	9	150	0.3	0.0006
5/26/2016	XX	LPUD2X8CF	312	7.1	13.8					309	9	145	0.2	0.0004
6/27/2016	XX	LPUD2X8DJ	H9	H9	H9					H9	H9	H9	H9	H9
7/20/2016	XX	LPUD2X8F3	F6	F6	F6					F6	F6	F6	F6	F6
7/26/2016	XX	LPUD2X8B6	339	6.8	15.4					332	4.6		0.4	0.0022
8/29/2016	XX	LPUD2X90E	F12	F12	F12					F12	F12		F12	F12
9/23/2016	XX	LPUD2X93D	F12	F12	F12					F12	F12		F12	F12
10/25/2016	XX	LPUD2X8J5	466	7.4	12.9					157	2.6		0.8	0.0017
10/31/2016	XX	LPUD2X947	H9	H9	H9					H9	H9		H9	H9
11/29/2016	XX	LPUD2X952	F12	F12	F12					F12	F12		F12	F12
12/13/2016	XX	LPUD2X95F	H9	H9	H9					H9	H9		H9	H9
1/10/2017	XX	LPUD2X99E	H5	H5	H5					H5	H5	H5	H5	H5
2/8/2017	XX	LPUD2X9A7	H5	H5	H5					H5	H5	H5	H5	H5
3/3/2017	XX	LPUD2X9B0	H5	H5	H5					H5	H5	H5	H5	H5
4/5/2017	XX	LPUD2X991	H5	H5	H5					H5	H5	H5	H5	H5
4/18/2017	XX	LPUD2X97B	390	6.8	6.2					405	4.5		0.5	0.0011
5/25/2017	XX	LPUD2X9BD	H5	H5	H5					H5	H5	H5	H5	H5
6/16/2017	XX	LPUD2X9EE	327	7.4	19.8					365	7	175	0.4	0.0007
7/25/2017	XX	LPUD2X9D9	305	7.7	15.4					413	8.3		0.3	0.0022
7/31/2017	XX	LPUD2X9F7	341	7	18.2					372	6	170	0.3	0.0006
8/31/2017	XX	LPUD2X9IH	332	6.7	17.8					378	7	155	0.2	0.0006
9/28/2017	XX	LPUD2X9J9	330	7	16.9					347	6	140	0.2	0.0006
10/25/2017	XX	LPUD2X9H4	293	7.3	15.2					340	8		1.2	0.0006
10/26/2017	XX	LPUD2XA01	332	6.8	16.1					401	6	155	0.3	0.00056
11/30/2017	XX	LPUD2XA0D	313	7.2	1.3					390	7	150	0.2	0.00111
12/27/2017	XX	LPUD2XA16	306	6.5	9.7					415	9	130	0.1	0.0007
1/19/2018	XX	LPUD2XA4C	303	7	9.2					399	9	125	0.3	0.00111
2/22/2018	XX	LPUD2XA55	456	7.6	8.9					373	9	160	0.2	0.00167
3/24/2018	XX	LPUD2XA91	308	6.8	8.5					423	9	125	0.5	0.00037
4/3/2018	XX	LPUD2XA33	267	7.2	8.3					463	8		1.2	0.00334
4/28/2018	XX	LPUD2XA9E	263	7.1	13.6					420	10	120	0.5	0.00056
5/11/2018	XX	LPUD2XAA7	309	6.9	13.3					415	8	120	0.2	0.00111
6/2/2018	XX	LPUD2XADB	359	6.6	15.3					356	7	125	0.7	0.00111
7/2/2018	XX	LPUD2XAIB	364	7.3	20.1					372	7	120	0.5	0.0011
7/17/2018	XX	LPUD2XAC4	327	8.5	15.2					393	7.2		1.1	0.00056
8/17/2018	XX	LPUD2XAJ6	390	6.7	23.8					344	7	140	1.1	0.00037
9/1/2018	XX	LPUD2XB2C	353	6.7	18.3					375	6	125	0.7	0.0004
10/2/2018	XX	LPUD2XB12	314	7.7	14.4					476	6.7		0.8	0.00056
10/13/2018	XX	LPUD2XB36	391	5.7	15.4					370	7	150	1.9	0.0004
11/2/2018	XX	LPUD2XB40	273	6.2	12.1					370	8	120	1.5	0.0003
12/7/2018	XX	LPUD2XB7J	285	5.8	7.6					360	7	130	1.1	0.0007
1/3/2019	XX	LPUD2XB8D	324	6.9	5.1					376	8	140	1.6	0.0004
2/2/2019	XX	LPUD2XB97	444	7.7	3.1					374	7	125	3.8	0.0002

(LP-UD-2)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
3/2/2019	XX	LPUD2XBA1	317	5.9	6.1					352	7	150	0.8	0.0003
4/5/2019	XX	LPUD2XBAF	272	8	13.1					380	8	125	0.8	0.0002
4/23/2019	XX	LPUD2XB5J	243	7.1	6.3					359	9		0.6	0.0022
5/10/2019	XX	LPUD2XBE7	299	6.4	13.7					348	7	125	1.7	0.0004
6/24/2019	XX	LPUD2XBF1	272	7.2	16					367	8	125	0.9	0.0033
7/16/2019	XX	LPUD2XBCB	284	7.5	16.2					402	12		0.4	0.0011
7/30/2019	XX	LPUD2XBFF	300	7.3	20.3					355	8	135	0.4	0.0002
8/20/2019	XX	LPUD2XBG9	281	7.4	25.2					355	5	130	0.2	0.0022
9/20/2019	XX	LPUD2XC02	300	7.3	21.6					362	6	125	0.2	0.0002
10/14/2019	XX	LPUD2XC0G	271	7.3	18.2					348	8	125	0.8	0.0017
10/29/2019	XX	LPUD2XBI4	273	7.3	12.7					333	7.8		1.1	0.0006
11/27/2019	XX	LPUD2XC1A	257	7.4	20.9					395	8	125	0.7	0.0022
12/23/2019	XX	LPUD2XC30	267	7.2	10.4					378	8	120	0.3	0.0045
1/17/2020	XX	LPUD2XC3F	253	7.3	8					418	10	125	0.7	0.0013
2/4/2020	XX	LPUD2XC4A	256	7.3	10.4					377	10	125	0.2	0.0025
3/27/2020	XX	LPUD2XCF7	232	7.3	10.7					423	6	125	0.1	0.0067
4/28/2020	XX	LPUD2XCDB	304	7.7	7.4					336	8.5		0.2	0.0011
4/29/2020	XX	LPUD2XCG1	263	7.3	11.7					309	8	125	0.4	0.0017
5/27/2020	XX	LPUD2XD00	245	7.1	21.1					320	6	135	0.1	0.0033
6/28/2020	XX	LPUD2XD0E	292	6.8	22.6					323	6	150	0.1 U	0.0006
7/11/2020	XX	LPUD2XD18	310	7	21.9					327	6	175	0.1	0.0017
7/21/2020	XX	LPUD2XCI4	284	6.8	16.7					371	6.1		0.6	0.0006
8/3/2020	XX	LPUD2XD56	303	7	22.1					352	8	160	0.2	0.0017
9/27/2020	XX	LPUD2XD62	282	7.2	18.1					414	6	175	0.2	0.0006
10/27/2020	XX	LPUD2XD38	284	7.5	12.1					403	8.3		0.8	
10/31/2020	XX	LPUD2XD6G	291	7.4	15					398	6	150	0.2	0.0011
11/29/2020	XX	LPUD2XD7A	292	7.3	14.8					419	6	150	0.4	0.0023
12/13/2020	XX	LPUD2XD84	285	7.1	11.8					385	6	135	0.6	0.0022
1/10/2021	XX	LPUD2XDEI	295	7.4	15.2					365	6	140	0.1 U	0.0025
2/28/2021	XX	LPUD2XDE4	271	7.5	13.1					344	8	175	0.5	0.0015
3/30/2021	XX	LPUD2XDFG	277	7.2	14.2					361	8	130	1.4	0.0012
4/6/2021	XX	LPUD2XDCA	252	7	7.2					382	9.7		2.7	0.0017
4/29/2021	XX	LPUD2XDHC	303	7.4	15.5					367	8	150	0.5	0.0017
5/19/2021	XX	LPUD2XDI6	314	7.5	21.2					394	7	145	1.3	0.0018
6/2/2021	XX	LPUD2XE2H	269	7.3	19.2					317	5	150	1.6	0.0007
7/13/2021	XX	LPUD2XE02	281	7.3	15.2					301	8.8		0.6	0.0006
7/16/2021	XX	LPUD2XE3D	344	6.9	23.7					372	6	150	1.6	0.0006
8/3/2021	XX	LPUD2XEFF	310	7.2	24.6					399	6	150	13	0.0668
9/18/2021	XX	LPUD2XEDH	H9	H9	H9					H9	H9		H9	H9
10/5/2021	XX	LPUD2XE6A	273	6.9	15.1					256	5.8		0.2	0.0022
10/16/2021	XX	LPUD2XEEG	H9	H9	H9					H9	H9		H9	H9
11/20/2021	XX	LPUD2XEHE	301	7.1	16.6					337	6	125	7	0.0036
12/18/2021	XX	LPUD2XEIG	285	6.8	15.3					344	6	140	3.1	0.0014
1/16/2022	XX	LPUD2XF4C	250	5.5	15.6					339	7	220	9.2	0.0014
2/20/2022	XX	LPUD2XF5C	256	5.5	16					347	7	125	3.7	0.0014
3/20/2022	XX	LPUD2XF6C	305	6.3	14					354	9	130	2.9	0.0017
4/15/2022	XX	LPUD2XFC3	298	7.6	19.9					298	8	150	4.7	0.0017
4/26/2022	XX	LPUD2XF12	253	7.1	7.5					321	7.4		0.5	0.0011
5/10/2022	XX	LPUD2XFD3	300	7.2	21.6					339	8	150	30.3	0.0006

DATA SUMMARY TABLE
Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LP-UD-2) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
6/7/2022	XX	LPUD2XFED	350	7.3	21.3					326	6	175	1.7	0.0005
7/19/2022	XX	LPUD2XF90	296	6.7	17.1					353	4.1		0.3	0.0011
7/21/2022	XX	LPUD2XFFD	337	7.2	22.3					324	5	200	1.5	0.0004
8/8/2022	XX	LPUD2XG32	321	7	18.8					357	5	175	2.3	0.0004
9/2/2022	XX	LPUD2XG5E	335	7.1	18.6					365	5	150	2	0.0004
10/4/2022	XX	LPUD2XFJ1	266	7.1	12.2					373	4.2		0.4	0.0011
10/6/2022	XX	LPUD2XG8G	324	7.3	13.9					286	6	175	1.2	0.0004
11/4/2022	XX	LPUD2XGA7	318	6.7	13.2					327	8	175	1.9	0.0007
12/5/2022	XX	LPUD2XGCC	320	6.8	9.2					325	6	175	2.1	0.0006
1/4/2023	XX	LPUD2XGE4	329	7	10.7					385	6	150	0.7	0.0009
2/1/2023	XX	LPUD2XGFF	417	7.6	11.6					370	6	135	5.5	0.0007
3/1/2023	XX	LPUD2XH2J	437	7.4	12.1					386	6	125	8.2	0.0013
4/3/2023	XX	LPUD2XH4A	338	7.4	14.6					373	6	130	3.5	0.0008
4/18/2023	XX	LPUD2XGIC	261	7.5	7.6					440	8.6		0.6	0.0022
5/3/2023	XX	LPUD2XH69	370	7.3	15.2					335	6	149	3.6	0.0008
6/6/2023	XX	LPUD2X02C	488	7.2	17.4					344	6	160	1.3	0.0008
7/11/2023	XX	LPUD2XH8E	354	6.6	16.2					486	6.7		0.8	0.0033
7/18/2023	XX	LPUD2X03H	328	6.9	22.9					343	8	165	3.9	0.0009
8/1/2023	XX	LPUD2X0AD	510	7	22.1					346	6	160	1.3	0.0009
9/8/2023	XX	LPUD2X0BJ	422	7.3	25					350	6	150	9.5	0.0006
10/3/2023	XX	LPUD2X062	300	6.8	15.2					456	8.2		1.3	0.0011
10/4/2023	XX	LPUD2X0DB	567	6.3	23.5					344	6	150	10.5	0.0006
11/7/2023	XX	LPUD2X0F0	430	6.8	17.3					367	6	150	2.4	0.0007
12/20/2023	XX	LPUD2X0GI	376	7	12.3					356	6	125	3.6	0.0007
1/2/2024	XX	LPUD2X0IE	414	6.9	14.7					353	6	150	2.2	0.0007
2/6/2024	XX	LPUD2X103	522	7.1	13.9					361	6	150	1.7	0.0006
3/7/2024	XX	LPUD2X164	277	7.2	12.7					351	6	150	1.4	0.0006
4/2/2024	XX	LPUD2X12C	257	7	6.9					444	9.3		0.5	0.0022
4/3/2024	XX	LPUD2X183	420	7	15.5					368	6	150	1.9	0.0007
5/8/2024	XX	LPUD2X19E	531	6.3	16.7					365	6	175	3	0.0006
6/5/2024	XX	LPUD2X1B5	H5	H5	H5					H5	H5	H5	H5	H5
7/15/2024	XX	LPUD2X22I	H9	H9	H9					H9	H9	H9	H9	H9
7/16/2024	XX	LPUD2X1DE	320	6.6	17.5					393	9.4		0.6	0.0022
8/30/2024	XX	LPUD2X248	339	7.2	22.1					282	6	112.5	8.6	0.0027
9/19/2024	XX	LPUD2X25I	H9	H9	H9					H9	H9		H9	H9
10/8/2024	XX	LPUD2X1J5	319	6.8	15.1					440	3.9		1.2	0.0023
10/17/2024	XX	LPUD2X277	H9	H9	H9					H9	H9		H9	H9
11/12/2024	XX	LPUD2X294	Q	Q	Q					Q	Q		Q	Q
12/31/2024	XX	LPUD2X2AD	Q	Q	Q					Q	Q		Q	Q
MW-04-09A														
2/26/2020	XX	GWX09AC56	315	8.7	6.5	164.28	5.62	42.38	169.9	26	0.6		81.2	
4/30/2020	XX	GWX09ACC1	368	8.1	6.7	164.66	5.24		169.9	29	1.9		5.6	
6/23/2020	XX	GWX09ACGC	187	7.2	14.9	162.06	7.84		169.9	133	8.2		1.5	
8/20/2020	XX	GWX09AD1J	389	7.9	11.3	160.78	9.12		169.9	33	0.6		0.8	
7/15/2021	XX	GWXXXXE20	388	7.7	10.8	163.2	6.7		169.9	162	1		2	
10/7/2021	XX	GWX09AE86	369	7.7	9.5	163.9	6		169.9	47	0.2		9.4	
4/27/2022	XX	GWX09AF2C	284	7.4	7.1	164.83	5.07		169.9	156	3.4		3	
7/20/2022	XX	GWXXXXFAF	306	7	9.5	160.6	9.3		169.9	189	1		2	
10/5/2022	XX	GWX09AG0B	270	7.4	8.4	162.4	7.5	42.1	169.9	370	0.4		0.6	

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(MW-04-09A)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/19/2023	XX	GWX09AH02	372	8.2	7.3	164.8	5.1		169.9	274	3.6		3.7	
7/12/2023	XX	GWXXXX00B	273	7.8	11.4	164.32	5.58		169.9	130	1.9		2.4	
10/4/2023	XX	GWX09A077	271	7.3	12.1	160.7	9.2	42.1	169.9	103	0.3		2.8	
4/10/2024	XX	GWX09A13G	270	7.7	7	165.1	4.8		169.9	223	4.7		2.6	
7/17/2024	XX	GWXXXX1FA	269	7.4	12.8	164.2	5.7		169.9	274	0.8		0.8	
10/9/2024	XX	GWX09A209	249	6.8	8.9	162.5	7.4	42.1	169.9	318	0.4		0.8	

MW-04-09B

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/26/2020	XX	GWX09BC57	127	7.1	5.3	164.48	5.45	19.64	169.93	312	9.7		11.1	
4/30/2020	XX	GWX09BCC2	104	7.4	5.6	164.82	5.11		169.93	353	10.5		1.2	
6/23/2020	XX	GWX09BCGD	89	6.6	12	162.08	7.85		169.93	417	9.3		1.1	
8/20/2020	XX	GWX09BD20	99	7.1	12	160.82	9.11		169.93	354	9.4		0.7	
7/15/2021	XX	GWXXXXE21	112	7	12.1	163.28	6.65		169.93	235	7.2		8.5	
10/7/2021	XX	GWX09BE87	113	6.7	11	164.02	5.91		169.93	303	7.5		7.6	
4/27/2022	XX	GWX09BF2D	89	6.6	6.2	165.33	4.6		169.93	247	8.6		4.6	
7/20/2022	XX	GWXXXXFAG	104	6.9	10.9	160.53	9.4		169.93	256	7.4		3.8	
10/5/2022	XX	GWX09BG0C	139	7.4	9.9	162.53	7.4	19.64	169.93	316	3.4		0.3	
4/19/2023	XX	GWX09BH03	164	7.5	6.1	165.11	4.82		169.93	313	9.3		4	
7/12/2023	XX	GWXXXX00C	97	6.9	12.1	164.58	5.35		169.93	211	8.1		1	
10/4/2023	XX	GWX09B078	96	6.3	12.7	163.8	6.13	19.64	169.93	249	8.3		3	
4/10/2024	XX	GWX09B13H	79	6.9	5.5	165.13	4.8		169.93	301	10.3		1.4	
7/17/2024	XX	GWXXXX1FB	96	6.6	12.8	164.23	5.7		169.93	304	7.9		2.6	
10/9/2024	XX	GWX09B20A	102	6.3	10.6	162.53	7.4	19.64	169.93	346	7.5		0.9	

MW04-102

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/29/2015	XX	GW102X79C	210	8.2	6.8	164.72	5.5		170.22	380	5.1		0.8	
7/14/2015	XX	GW102X7D4	237	8	17.3	163.32	6.9		170.22	349	3		0.9	
10/28/2015	XX	GW102X7ID	214	8.4	10.8	163.47	6.75	18.05	170.22	285	5.29		2.1	
4/5/2016	XX	GW102X873	244	8	5.3	164.22	6		170.22	350	6.9		4.6	
7/26/2016	XX	GW102X8BD	275	8	17.1	167.62	7.6		170.22	327	3.3		3.3	
10/25/2016	XX	GW102X8JC	237	7.5	13	163.02	7.2	18.05	170.22	382	2.6		8.1	
4/19/2017	XX	GW102X97I	219	8.2	6.3	163.42	6.8		170.22	324	7.5		0.6	
7/26/2017	XX	GW102X9DG	222	8	15.9	162.14	8.08		170.22	297	3.6		2.1	
10/25/2017	XX	GW102X9HB	240	7.9	15.6	162.02	8.2	18.05	170.22	315	3		2.4	
4/4/2018	XX	GW102XA3A	320	8.2	4.5	164.02	6.2		170.22	342	7.3		2.7	
7/18/2018	XX	GW102XACB	228	7.7	15.7	161.92	8.3		170.22	293	5		1.9	
10/3/2018	XX	GW102XB19	224	8.1	14.5	162.27	7.95	18.05	170.22	280	3.3		1.7	
4/24/2019	XX	GW102XB66	216	8.3	5.1	163.82	6.4		170.22	355	6		1.9	
7/17/2019	XX	GW102XBCH	216	7.6	14.2	163.12	7.1		170.22	265	3.7		2.7	
10/28/2019	XX	GW102XBIA	216	8.1	8.1	163.67	6.55	18.05	170.22	307	3.3		2.7	
4/27/2020	XX	GW102XCDH	235	7	6.1	163.12	7.1		170.22	348	4.9		1.2	
7/20/2020	XX	GW102XCIA	219	7.6	15.6	161.8	8.42		170.22	262	3.9		2.4	
10/26/2020	XX	GW102XD3E	224	7.2	12.5	162.22	8	18.05	170.22	351	5.5		2.7	
4/5/2021	XX	GW102XDCG	246	6.6	5.2	163.67	6.55		170.22	335	5.4		3	
7/12/2021	XX	GW102XE08	208	7.9	14.5	162.02	8.2		170.22	267	4.7		2.8	
10/4/2021	XX	GW102XE6G	230	7.4	15.5	162.22	8		170.22	253	3.4		1.7	
4/25/2022	XX	GW102XF18	195	7.7	7.5	163.32	6.9		170.22	202	5.4		2.6	
7/18/2022	XX	GW102XF96	207	7.6	16	160.3	9.92		170.22	201	3.7		2.7	
10/3/2022	XX	GW102XFJ7	210	7.3	15	161.92	8.3	18	170.22	279	5.3		1.5	
4/17/2023	XX	GW102XGII	317	8.3	7.3	163.22	7		170.22	278	6.2		1.2	

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
(MW04-102)														
7/10/2023	XX	GW102XH90	210	7.7	14.4	162.62	7.6		170.22	230	4		0.9	
10/2/2023	XX	GW102X067	211	7.4	16.5	162.92	7.3	18	170.22	234	4.8		1.9	
4/1/2024	XX	GW102X12H	199	8.3	6.5	163.72	6.5		170.22	204	7.4		1.3	
7/15/2024	XX	GW102X1DJ	216	7.7	16.3	163.12	7.1		170.22	298	4.3		0.7	
10/7/2024	XX	GW102X1JA	206	7.4	15.7	161.82	8.4	18.11	170.22	369	4.6		0.8	
MW04-105														
10/28/2015	XX	GW105X7J7	296	6.7	10.1	157.97	7.62	22.83	165.59	295	0.4		0.9	
10/26/2016	XX	GW105X909	305	6.9	10.6	157.28	8.31	22.83	165.59	346	0.4		3.7	
10/23/2017	XX	GW105X9I8	332	6.9	14.3	156.39	9.2	22.85	165.59	299	0.4		0.7	
10/1/2018	XX	GW105XB26	341	6.9	11.7	156.98	8.61	22.84	165.59	307	0.4		1.9	
10/28/2019	XX	GW105XBJ6	218	6.8	10.3	158.39	7.2	22.83	165.59	265	0.4		1.8	
10/27/2020	XX	GW105XD4A	276	7.1	11.4	157.29	8.3	22.84	165.59	348	0.6		1.8	
10/5/2021	XX	GW105XE7B	328	6.8	14.9	157.44	8.15		165.59	170	0.3		1	
4/25/2022	XX	GW105XF22	207	6.5	10	157.59	8		165.59	211	2.6		2.3	
10/5/2022	XX	GW105XG01	316	6.5	14.1	157.09	8.5	22.85	165.59	180	0.3		2	
10/2/2023	XX	GW105X09C	216	6.8	14.6	156.89	8.7	22.85	165.59	188	0.2		1.4	
10/7/2024	XX	GW105X22A	381	6.4	12.5	157.37	8.22	22.82	165.59	305	0.2		0.1 U	
MW04-109 & MW04-109R														
4/28/2015	XX	GW109X79D	399	6.7	9.9	153.9	6.23		160.13	386	1.3		0.1	
7/14/2015	XX	GW109X7D5	398	6.6	21.9	152.78	7.35		160.13	355	1		0.1	
10/27/2015	XX	GW109X7IE	429	6.6	11.6	153.13	7	22.97	160.13	323	0.7		0.2	
4/5/2016	XX	GW109X874	445	6.6	8.4	153.8	6.33		160.13	339	1.3		0.4	
7/26/2016	XX	GW109X8BE	426	6.5	21.4	152.53	7.6		160.13	356	0.8		1	
10/25/2016	XX	GW109X8JD	425	6.6	9.1	152.78	7.35	22.97	160.13	385	0.7		2	
4/18/2017	XX	GW109X97J	237	6.8	9	154.02	6.11		160.13	419	2.6		0.4	
7/25/2017	XX	GW109X9DH	443	6.5	19.9	152.42	7.71		160.13	302	0.5		2.4	
10/24/2017	XX	GW109X9HC	453	6.7	16.5	151.51	8.62	22.97	160.13	335	2		0.8	
4/3/2018	XX	GW109XA3B	556	6.7	7.2	154.4	5.73		160.13	389	1.7		0.7	
7/17/2018	XX	GW109XACC	461	6.6	19	152.68	7.45		160.13	300	1.5		2.4	
10/2/2018	XX	GW109XB1A	437	6.7	11.1	152.28	7.85	22.97	160.13	330	0.4		1.8	
4/23/2019	XX	GW109XB67	427	6.9	8.7	154.46	5.67		160.13	409	1.7		0.8	
7/16/2019	XX	GW109XBCI	446	6.5	18.2	153.73	6.4		160.13	268	1.3		2.3	
10/29/2019	XX	GW109XBIB	418	6.8	13.2	154.17	5.96	22.97	160.13	371	0.1 U		2.8	
4/28/2020	XX	GW109XCDI	385	6.9	8.7	153.68	6.45		160.13	354	4.3		1.2	
7/21/2020	XX	GW109XCIB	408	6.8	20.2	152.85	7.28		160.13	236	1.8		2.7	
10/27/2020	XX	GW109XD3F	391	6.9	9.2	153.05	7.08	27.98	160.13	327	0.6		1.5	
4/6/2021	XX	GW109XDCH	403	6.5	9.7	153.83	6.3		160.13	252	2.5		1.9	
7/13/2021	XX	GW109XE09	424	6.6	17.9	153.03	7.1		160.13	207	0.4		1	
10/5/2021	XX	GW109XE6H	386	6.6	12.1	153.38	6.75		160.13	220	0.3		1.2	
4/26/2022	XX	GW109XF19	314	6.5	9.7	153.83	6.3		160.13	250	2.7		2	
7/19/2022	XX	GW109XF97	370	6.2	21.9	152.63	7.5		160.13	202	0.7		1.5	
10/4/2022	XX	GW109XFJ8	345	6.3	9.3	153.08	7.05	27.98	160.13	273	0.8		1.4	
4/18/2023	XX	GW109XGIJ	458	7.5	9.8	153.83	6.3		160.13	334	3.3		0.6	
7/11/2023	XX	GW109XH91	353	6.6	16	153.4	6.73		160.13	111	0.6		1.3	
10/2/2023	XX	GW109X068	337	6.5	17.3	152.93	7.2	27.98	160.13	166	0.8		1.1	
4/2/2024	XX	GW109X12I	357	6.9	9.4	154.23	5.9		160.13	262	2.6		1	
7/16/2024	XX	GW109X1E0	376	6.6	19.6	153.63	6.5		160.13	209	0.8		0.5	
10/8/2024	XX	GW109X1JB	336	6.2	13.7	152.33	7.8	27.96	160.13	232	0.5		0.3	

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(MW06-01)

MW06-01

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/10/2018	XX	GWXXXXA70	85	6.5	7.3		F1	22.13		325	7.9		0.1	
6/4/2018	XX	GWXXXXA7H	94	6.6	7.7	165.881	0.25		166.131	367	10.3		0.7	
7/18/2018	XX	GWXXXXAEF	102	8	10.2	165.281	0.85		166.131	508	8.7		3.2	
8/20/2018	XX	GWXXXXAFG	91	6.1	11.2	164.431	1.7		166.131	376	9.2		3.5	
4/24/2019	XX	GWXXXXB7D	84	7	6.4		F1			377	10.1		2.1	
7/18/2019	XX	GWXXXXBE1	67	8.1	12.2	165.951	0.18		166.131	290	13		0.5	
10/30/2019	XX	GWXXXXBJ8	85	7.7	9.7		F1	22.13	166.131	219	11		0.1	
4/29/2020	XX	GWXXXXCF1	95	7.2	6.5		F1		166.131	394	10.9		0.3	
7/22/2020	XX	GWXXXXCJE	98	6.7	18.1	162.881	3.25		166.131	386	6.8		0.2	
10/28/2020	XX	GWXXXXD4C	83	7.9	9.8	163.461	2.67	22.14	166.131	372	10.5		0.3	
4/7/2021	XX	GWXXXXDDI	86	6.4	7.6	165.231	0.9		166.131	442	7.9		0.3	
7/14/2021	XX	GWXXXXE19	108	7.2	13.1	163.761	2.37		166.131	337	5.8		0.2	
10/6/2021	XX	GWXXXXE7D	111	6.5	12.6	164.431	1.7		166.131	356	3.9		0.1	
4/27/2022	XX	GWXXXXF24	162	6.3	8		F1		166.131	424	2.5		0.2	
7/20/2022	XX	GWXXXXFA7	149	6.9	12.2	164.301	1.83		166.131	325	1.8		0.2	
10/5/2022	XX	GWXXXXG03	154	7.2	11.4	163.951	2.18	22.13	166.131	355	1.8		0.3	
4/19/2023	XX	GWXXXXGJE	176	6.8	8.1		F1		166.131	455	9.3		0.2	
7/12/2023	XX	GWXXXX003	221	6.6	15.9		F1		166.131	496	8.3		0.2	
10/4/2023	XX	GWXXXX06J	215	6.9	14.2	166.091	0.04	22.13	166.131	390	3.5		0.1	
4/10/2024	XX	GWXXXX138	270	6.1	6.7		F1		166.131	429	1.9		0.1	
7/17/2024	XX	GWXXXX1F2	256	6.6	14.1	166.071	0.06		166.131	381	4.9		0.3	
10/9/2024	XX	GWXXXX201	240	6.5	11.9	164.781	1.35	22.13	166.131	473	3.5		0.2	

MW-08-01

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/9/2021	XX	GWXXXXDA0	196	8.4	5.7	161.08	14.93	127.89	176.01	343	4.5		5.2	
4/7/2021	XX	GWXXXXDAJ	229	8.1	8	161.26	14.75		176.01	160	1.7		2.8	
6/9/2021	XX	GWXXXXDH2	188	7.8	10.4	160.97	15.04		176.01	204	1.8		2.2	
8/19/2021	XX	GWXXXXE4G	190	7.2	11.6	160.71	15.3		176.01	342	1.3		0.5	
10/4/2021	XX	GWXXXXE9B	201	7.1	10.7	161.33	14.68		176.01	155	0.9		0.8	
4/27/2022	XX	GWXXXXF3G	210	7.8	8.8	160.827	21.75		182.577	134	1.5		13	
7/21/2022	XX	GWXXXXFBD	183	7.6	17.4	160.177	22.4		182.577	169	1.2		5.9	
10/5/2022	XX	GWXXXXG1F	243	7.1	11.9	160.127	22.45	127.89	182.577	217	1.6		6.6	
4/17/2023	XX	GWXXXXH16	318	8	11.9	160.427	22.15		182.577	291	2.5		1.3	
7/13/2023	XX	GWXXXX019	223	7.9	16	160.327	22.25		182.577	120	1.7		3.2	
10/5/2023	XX	GWXXXX08B	235	7.6	13.3	160.177	22.4		182.577	190	1.7		6.1	
4/11/2024	XX	GWXXXX150	221	7	7.5	160.437	22.14		182.577	457	4.3		0.4	
7/17/2024	XX	GWXXXX1G8	221	7.9	16.2	160.277	22.3		182.577	229	2.2		1	
10/10/2024	XX	GWXXXX21D	226	7.2	10.5	159.857	22.72	132.96	182.577	470	2.5		0.5	

MW09-901

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/28/2015	XX	GW901X78G	286	7.5	11	157.6	7.5		165.1	371	5.1		1.4	
7/14/2015	XX	GW901X7C8	306	7.5	18.6	154.85	10.25		165.1	368	4.6		1	
10/27/2015	XX	GW901X7HH	318	7.7	11.8	155.62	9.48	22.82	165.1	301	3.4		0.2	
4/5/2016	XX	GW901X867	356	7.4	4.6	157.3	7.8		165.1	362	5.3		1.1	
7/26/2016	XX	GW901X8AH	366	7.6	20.4	154.38	10.72		165.1	337	4.3		3.9	
10/25/2016	XX	GW901X8IG	353	7.1	10.7	154.6	10.5	22.82	165.1	397	0.9		4.1	
4/18/2017	XX	GW901X972	341	7	8.5	157.65	7.45		165.1	422	5.4		0.7	
7/25/2017	XX	GW901X9D0	379	6.5	19.5	154.19	10.91		165.1	346	2.2		2.5	

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(MW09-901)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/24/2017	XX	GW901X9GF	392	6.9	16.3	153.18	11.92	22.8	165.1	388	0.8		2.6	
4/3/2018	XX	GW901XA2E	482	6.8	10.1	158.8	6.3		165.1	413	3.2		0.2	
7/17/2018	XX	GW901XABF	423	6.7	15	154.93	10.17		165.1	311	1.4		2.4	
10/2/2018	XX	GW901XB0D	390	6.7	10.7	154.1	11	22.82	165.1	303	1		1.3	
4/23/2019	XX	GW901XB5A	364	6.7	6.9	159.14	5.96		165.1	423	1.3		1.6	
7/16/2019	XX	GW901XBC2	398	6.6	18.7	155.95	9.15		165.1	280	0.4		2.8	
10/29/2019	XX	GW901XBHF	333	6.8	12.4	159.21	5.89	22.82	165.1	381	0.1 U		1.6	
4/28/2020	XX	GW901XCD2	339	7.1	9.7	158.41	6.69		165.1	370	2		1.4	
7/21/2020	XX	GW901XCHF	348	7.2	13.3	156.3	8.8		165.1	235	0.3		1.1	
10/27/2020	XX	GW901XD2J	341	7	10.3	156.95	8.15	22.81	165.1	359	0.4		1.5	
4/6/2021	XX	GW901XDC1	373	6.4	10.2	159.1	6		165.1	278	2.1		1.5	
7/13/2021	XX	GW901XDJD	360	6.6	15.6	157.4	7.7		165.1	212	0.3		1.2	
10/5/2021	XX	GW901XE61	346	6.3	13.8	157.8	7.3		165.1	231	0.2		1.4	
4/26/2022	XX	GW901XF0D	342	6.3	9.9	158.95	6.15		165.1	260	1.4		1.9	
7/19/2022	XX	GW901XF8B	348	6.2	18.1	156.1	9		165.1	211	0.2		1.6	
10/4/2022	XX	GW901XFIC	286	6.3	12.8	157.3	7.8	22.78	165.1	309	0.8		1.2	
4/18/2023	XX	GW901XGI3	487	7.3	8.9	158.53	6.57		165.1	343	2.7		0.9	
7/11/2023	XX	GW901XH85	349	6.5	15.5	157.75	7.35		165.1	166	0.4		1.7	
10/2/2023	XX	GW901X05D	342	6.2	17.1	159.4	5.7	22.78	165.1	202	0.4		1	
4/2/2024	XX	GW901X123	351	6.8	8.6	159.7	5.4		165.1	280	2.5		2.8	
7/16/2024	XX	GW901X1D5	339	6.3	16.9	158.1	7		165.1	316	0.2		1.4	
10/8/2024	XX	GW901X1IG	310	6.1	13.9	155.05	10.05	22.77	165.1	295	0.5		0.4	
MW-204														
10/28/2015	XX	GW204X7J5	167	6.5	11.5	155.35	9.4	24.43	164.75	301	1.9		1.3	
10/26/2016	XX	GW204X907	218	6.7	10	154.7	10.05	24.43	164.75	294	0.5		3.5	
10/23/2017	XX	GW204X9I6	272	6.6	13.1	153.25	11.5	24.43	164.75	312	0.3		1.6	
10/3/2018	XX	GW204XB24	277	6.6	12.3	154.58	10.17	24.48	164.75	300	1.6		2.4	
10/28/2019	XX	GW204XBJ4	253	6.9	11	155.75	9	24.49	164.75	191	0.3		4.1	
10/26/2020	XX	GW204XD48	265	6.6	11.2	154.65	10.1	24.47	164.75	337	0.4		3.5	
10/4/2021	XX	GW204XE79	357	6.8	13.6	155.1	9.65		164.75	183	0.7		2.8	
4/26/2022	XX	GW204XF20	251	6.5	8.5	155.35	9.4		164.75	239	1.7		1.8	
10/5/2022	XX	GW204XFJJ	323	6.6	14.5	154.85	9.9	24.47	164.75	176	0.4		2	
10/3/2023	XX	GW204X09B	!	!	!		!	24.47	164.75	!	!		!	!
10/7/2024	XX	GW204X22B	252	6.3	12.7	154.68	11.5	25.7	166.18	305	0.4		3.7	
MW-206														
4/27/2015	XX	GW206X77J	131	8.3	6.9	200.07	4.6		204.67	328	8.6		1.2	
7/13/2015	XX	GW206X7BB	149	8.2	14.4	197.02	7.65		204.67	287	7.7		0.4	
10/26/2015	XX	GW206X7H0	139	7.8	9.3	197.87	6.8	23.15	204.67	200	7.7		4.4	
4/4/2016	XX	GW206X85A	159	7.3	4.1	199.77	4.9		204.67	364	8.5		1.5	
7/25/2016	XX	GW206X8A0	148	8.1	13.8	195.17	9.5		204.67	306	7.6		2.4	
10/24/2016	XX	GW206X8HJ	167	7.5	9.4	190.72	13.95		204.67	348	8.2		9.4	
4/17/2017	XX	GW206X965	142	8.2	8.6	199.85	4.82		204.67	266	9.9		1.4	
7/24/2017	XX	GW206X9C3	150	7.7	11.8	195.07	9.6		204.67	367	9.4		2.4	
10/23/2017	XX	GW206X9FI	146	8.1	11.6	189.77	14.9	23.15	204.67	338	7.3		2	
4/2/2018	XX	GW206XA1G	269	7.8	5.7	200.07	4.6		204.67	362	8.5		7.5	
7/16/2018	XX	GW206XAAI	148	8	11.3	196.12	8.55		204.67	313	8.4		2.4	
10/1/2018	XX	GW206XAJG	147	8.1	10.7	191.47	13.2	23.15	204.67	258	7.8		4.2	
4/22/2019	XX	GW206XB4C	139	8.6	6.1	200.22	4.45		204.67	399	8.8		2.6	

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(MW-206)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/17/2019	XX	GW206XBB5	144	8.1	12.3	198.07	6.6		204.67	253	7.5		7.8	
10/28/2019	XX	GW206XBGJ	149	8.3	9.1	200.17	4.5	23.15	204.67	242	7.2		4	
4/27/2020	XX	GW206XCC5	142	7.4	4.7	199.57	5.1		204.67	237	8.4		5.1	
7/20/2020	XX	GW206XCGI	146	8.1	14.3	193.87	10.8		204.67	191	7.5		2.8	
10/26/2020	XX	GW206XD23	148	7.6	7.3	195.07	9.6	23.15	204.67	342	8.7		2.4	
4/5/2021	XX	GW206XDB4	150	7.3	5.5	200.02	4.65		204.67	225	7.1		1.3	
7/14/2021	XX	GW206XDIG	159	7.8	11	197.77	6.9		204.67	267	7		2.5	
10/4/2021	XX	GWXXXXE8D	154	8.2	10.3	198.87	5.8		204.67	243	6		1.2	
4/25/2022	XX	GWXXXXF2J	139	7.9	7.6	199.44	5.23		204.67	192	6.9		2.3	
7/18/2022	XX	GW206XF7E	143	7.4	14.5	192.47	12.2		204.67	186	5.5		4.6	
10/3/2022	XX	GWXXXXG0I	323	6.6	14.5	194.77	9.9	23.1	204.67	176	0.4		2	
4/17/2023	XX	GWXXXXH09	233	8.2	8.2	199.07	5.6		204.67	308	7.5		1.2	
7/10/2023	XX	GW206XH78	136	8.5	9.8	195.57	9.1		204.67	189	7.6		1.5	
10/2/2023	XX	GWXXXX07E	140	8.1	11.8	198.27	6.4	23.1	204.67	195	6.7		1.7	
4/1/2024	XX	GWXXXX143	137	7.8	6.5	200.07	4.6		204.67	194	8.2		1	
7/15/2024	XX	GW206X1C8	141	8.3	12	199.67	5		204.67	291	8.8		2.8	
10/7/2024	XX	GWXXXX20G	135	7.7	10.9	195.3	9.37	23.13	204.67	320	9.4		0.2	

MW-223A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/28/2015	XX	GW223A781	458	7.6	6.5	175.74	0.8		176.54	367	0.7		0.3	
7/14/2015	XX	GW223A7BD	467	7.5	14.2	174.72	1.82		176.54	356	0.9		0.3	
10/27/2015	XX	GW223A7H2	490	7.6	8.5	175.14	1.4	35.57	176.54	290	1.1		0.2	
4/5/2016	XX	GW223A85CX	F	F	F		F			F	F		F	
4/27/2016	XX	GW223A85C	509	7.7	9.1	176.4	0.14		176.54	275	1.3		0.2	
7/26/2016	XX	GW223A8A2	539	7.5	14.2	173.79	2.75		176.54	349	1.8		2.1	
10/25/2016	XX	GW223A8I1	547	7.6	9.4	172.84	3.7	35.57	176.54	338	1.8		2.7	
4/18/2017	XX	GW223A967	519	7.6	5.2	175.24	1.3		176.54	318	2.7		0.7	
7/25/2017	XX	GW223A9C5	543	7.4	14	173.74	2.8		176.54	305	2		0.8	
10/24/2017	XX	GW223A9G0	552	7.6	12.1	172.04	4.5	35.57	176.54	340	1.8		1.2	
4/3/2018	XX	GW223AA1I	651	7.6	4.5	175.14	1.4		176.54	307	1.8		0.6	
7/17/2018	XX	GW223AAB0	568	7.4	12.6	172.94	3.6		176.54	297	1.6		2	
10/2/2018	XX	GW223AAJI	556	6.3	10.8	171.59	4.95	35.6	176.54	305	1.3		2.9	
4/23/2019	XX	GW223AB4E	542	7.6	6.1	174.51	2.03		176.54	370	2		2	
7/16/2019	XX	GW223ABB7	559	7.3	11.5	174.64	1.9		176.54	250	0.8		2.8	
10/29/2019	XX	GW223ABH0	548	7.6	9.5	175.61	0.93	35.57	176.54	351	0.1 U		1.3	
4/28/2020	XX	GW223ACC7	531	7.4	6.2	174.99	1.55		176.54	336	0.8		1	
7/21/2020	XX	GW223ACH0	575	7.4	13.5	173.12	3.42		176.54	212	0.8		1	
10/27/2020	XX	GW223AD24	583	7.4	9.5	173.74	2.8	35.57	176.54	295	0.8		1.5	
4/6/2021	XX	GW223ADB6	599	7.1	6.7	174.94	1.6		176.54	225	1.9		0.7	
7/13/2021	XX	GW223ADII	622	7.4	12.7	173.39	3.15		176.54	149	0.3		1.6	
10/5/2021	XX	GW223AE56	628	7.3	10.5	174.19	2.35		176.54	166	0.3		2.3	
4/26/2022	XX	GW223AEJI	506	7.2	7.2	174.64	1.9		176.54	158	0.2		2.3	
7/19/2022	XX	GW223AF7G	576	7.1	13.8	171.54	5		176.54	127	0.2		1.3	
10/4/2022	XX	GW223AFHH	578	7	9.8	173.54	3	35.57	176.54	216	0.2		1.3	
4/18/2023	XX	GW223AGH8	675	7.7	7.8	173.31	3.23		176.54	358	2.1		0.9	
7/11/2023	XX	GW223AH7A	577	7.4	11.2	172.44	4.1		176.54	90	0.1		1	
10/2/2023	XX	GW223A04H	594	7.3	13.6	171.82	4.72	35.57	176.54	128	0.2		1	
4/2/2024	XX	GW223A118	627	7.5	7.4	173.04	3.5		176.54	185	0.3		1.4	
7/15/2024	XX	GW223A1CA	633	7.3	13.5	172.14	4.4		176.54	303	0.2		0.5	
10/8/2024	XX	GW223A1I1	599	6.9	11.1	169.89	6.65	35.62	176.54	273	0.2		0.1	

(MW-223B) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
MW-223B														
4/28/2015	XX	GW223B798	371	7.1	6.2	173.78	2.15		175.93	344	0.4		0.5	
7/14/2015	XX	GW223B7D0	397	7.2	13.9	172.53	3.4		175.93	349	0.5		0.4	
10/27/2015	XX	GW223B7I9	394	7.5	9.8	173.13	2.8	20.05	175.93	286	1.4		1.3	
4/5/2016	XX	GW223B86J	445	7.1	3.8	173.53	2.4		175.93	309	2.2		7.7	
7/26/2016	XX	GW223B8B9	433	7.4	12.8	171.93	4		175.93	360	0.5		3.5	
10/25/2016	XX	GW223B8J8	436	7.5	10.6	171.43	4.5	20.07	175.93	352	0.3		3.7	
4/18/2017	XX	GW223B97E	416	7.2	6	172.73	3.2		175.93	371	3.6		0.8	
7/25/2017	XX	GW223B9DC	441	6.7	12.1	171.76	4.17		175.93	316	0.9		0.9	
10/24/2017	XX	GW223B9H7	446	7.3	13	170.68	5.25	20.06	175.93	367	0.3		1.5	
4/3/2018	XX	GW223BA36	596	7.1	3.9	173.23	2.7		175.93	338	2.3		0.2	
7/17/2018	XX	GW223BAC7	480	6.8	12.2	171.22	4.71		175.93	227	1		2.2	
10/2/2018	XX	GW223BB15	485	7.2	10.4	170.23	5.7	20.07	175.93	267	0.9		2.6	
4/23/2019	XX	GW223BB62	465	7.1	5.1	173.48	2.45		175.93	391	0.8		1.1	
7/16/2019	XX	GW223BBCD	491	7.3	13.7	172.63	3.3		175.93	259	2		1.6	
10/29/2019	XX	GW223BBI6	480	7.2	10.4	173.53	2.4	20.07	175.93	349	0.1 U		1.3	
4/28/2020	XX	GW223BCDD	461	7	5.6	173.13	2.8		175.93	355	0.5		1	
7/21/2020	XX	GW223BCI6	497	7.1	12.3	171.43	4.5		175.93	220	0.6		1.4	
10/27/2020	XX	GW223BD3A	505	7.2	10.7	172.13	3.8	20.07	175.93	328	0.3		1.9	
4/6/2021	XX	GW223BDCC	505	6.8	5.8	173.03	2.9		175.93	239	0.3		0.8	
7/13/2021	XX	GW223BE04	521	7	11.4	172.53	3.4		175.93	180	0.2		1.3	
10/5/2021	XX	GW223BE6C	531	6.8	11.7	172.33	3.6		175.93	197	0.2		1.2	
4/26/2022	XX	GW223BF14	421	6.8	6.7	172.78	3.15		175.93	213	0.2		2.1	
7/19/2022	XX	GW223BF92	479	6.8	11.8	169.88	6.05		175.93	175	0.2		1.4	
10/4/2022	XX	GW223BFJ3	487	6.7	11.3	171.73	4.2	20.1	175.93	245	0.2		1.6	
4/18/2023	XX	GW223BGIE	611	7.4	7.2	171.58	4.35		175.93	348	2.2		1.2	
7/11/2023	XX	GW223BH8G	483	6.9	10.7	171.12	4.81		175.93	174	0.1		1	
10/2/2023	XX	GW223B063	503	6.9	13.3	169.93	6	20.1	175.93	121	0.2		1.4	
4/2/2024	XX	GW223B12D	500	7.2	6.3	171.63	4.3		175.93	229	0.4		1	
7/16/2024	XX	GW223B1DF	497	6.8	12	170.78	5.15		175.93	312	0.2		1.3	
10/8/2024	XX	GW223B1J6	473	6.6	12	168.73	7.2	20.21	175.93	273	0.3		0.6	
MW-227														
4/28/2015	XX	GW227X782	184	8.3	6.7	159.93	4.3		164.23	350	3.1		0.8	
7/14/2015	XX	GW227X7BE	193	8.3	15.3	158.43	5.8		164.23	353	1.1		1.1	
10/27/2015	XX	GW227X7H3	182	8.1	11.4	159.63	4.6	22.3	164.23	297	3.9		0.7	
4/5/2016	XX	GW227X85D	205	8.1	3.1	159.73	4.5		164.23	320	3.4		2.2	
7/26/2016	XX	GW227X8A3	201	8	13.9	158.68	5.55		164.23	365	1.8		5.2	
10/25/2016	XX	GW227X8I2	199	7.9	10.2	159.62	4.61	22.3	164.23	353	3.5		5.3	
4/18/2017	XX	GW227X968	188	8.2	5.8	159.63	4.6		164.23	356	5.4		1.4	
7/25/2017	XX	GW227X9C6	185	8.2	12.6	158.03	6.2		164.23	314	1.5		2.4	
10/24/2017	XX	GW227X9G1	191	8.1	13.1	158.58	5.65	22.3	164.23	354	1.2		2	
4/3/2018	XX	GW227XA1J	284	8.2	4.8	160.03	4.2		164.23	326	4.9		1.3	
7/17/2018	XX	GW227XAB1	189	8.2	13.5	158.38	5.85		164.23	278	2.1		2.4	
10/2/2018	XX	GW227XAJJ	191	8.1	11.1	159.05	5.18	22.3	164.23	274	2		1.6	
4/23/2019	XX	GW227XB4F	194	8.3	4.9	160.1	4.13		164.23	389	3.2		2.5	
7/16/2019	XX	GW227XBB8	189	8.1	15	159.48	4.75		164.23	244	3.1		3.7	
10/29/2019	XX	GW227XBH1	181	8.3	10.5	160.04	4.19	22.3	164.23	333	0.1 U		2.6	
4/28/2020	XX	GW227XCC8	173	7.8	5.8	159.92	4.31		164.23	352	2.7		1.5	

(MW-227)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/21/2020	XX	GW227XCH1	182	8	12.9	159.18	5.05		164.23	219	2.7		2.2	
10/27/2020	XX	GW227XD25	184	7.9	10.9	159.78	4.45	22.31	164.23	314	5.3		2	
4/6/2021	XX	GW227XDB7	190	7.7	6	159.9	4.33		164.23	226	3.6		2.9	
7/13/2021	XX	GW227XDIJ	190	8.1	12.1	159.43	4.8		164.23	125	0.6		3.2	
10/5/2021	XX	GW227XE57	191	8.2	11.9	159.58	4.65		164.23	180	0.2		3.7	
4/26/2022	XX	GW227XEJJ	169	7.7	6.2	159.63	4.6		164.23	224	3.4		3.1	
7/19/2022	XX	GW227XF7H	174	7.7	13.1	158.33	5.9		164.23	129	0.6		3.2	
10/4/2022	XX	GW227XFHI	178	7.5	11.3	159.38	4.85	22.32	164.23	219	0.3		2	
4/18/2023	XX	GW227XGH9	279	7.8	8	159.53	4.7		164.23	299	4.1		1.5	
7/11/2023	XX	GW227XH7B	172	8.2	11.5	159.73	4.5		164.23	127	0.9		1.3	
10/2/2023	XX	GW227X04I	173	7.8	12.9	159.53	4.7	22.32	164.23	191	0.6		1.5	
4/2/2024	XX	GW227X119	183	8.3	5.6	159.83	4.4		164.23	226	5.2		1.8	
7/16/2024	XX	GW227X1CB	178	8.1	12.6	159.98	4.25		164.23	331	2.6		1.5	
10/8/2024	XX	GW227X1I2	170	7.8	12.5	159.08	5.15	22.41	164.23	289	2.9		1.2	

MW-301

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/29/2015	XX	GW301X783	192	8.2	8.2	165.66	0.25		165.91	359	0.7		1.2	
7/15/2015	XX	GW301X7BF	217	8.1	16.6	165.71	0.2		165.91	338	0.5		0.9	
10/27/2015	XX	GW301X7H4	205	7.8	10.7	165.68	0.23	185.11	165.91	287	0.3		0.8	
4/6/2016	XX	GW301X85EX	F	F	F		F			F	F		F	
4/27/2016	XX	GW301X85E	210	8.4	8.8	165.61	0.3		165.91	234	0.3		0.4	
7/27/2016	XX	GW301X8A4	210	8.1	15.6	165.49	0.42		165.91	203	0.1		0.2	
10/26/2016	XX	GW301X8I3	218	8.3	8.1	165.53	0.38	185.11	165.91	334	0.6		4.5	
4/19/2017	XX	GW301X969	215	8.2	8.3	165.56	0.35		165.91	308	2.8		1.8	
7/26/2017	XX	GW301X9C7	224	7.9	15.2	165.61	0.3		165.91	287	0.3		2.1	
10/25/2017	XX	GW301X9G2	225	8.1	13.7	165.71	0.2	185.11	165.91	368	0.2		1.6	
4/4/2018	XX	GW301XA20	322	8.2	3.7	165.61	0.3		165.91	148	1.5		1.7	
7/18/2018	XX	GW301XAB2	244	7.8	14.3		F1			267	0.2		3.5	
10/1/2018	XX	GW301XB00	242	8	11.8	164.96	0.95	185.13	165.91	283	0.3		2.4	
4/24/2019	XX	GW301XB4G	242	8.2	6.3	165.56	0.35		165.91	388	0.3		1.7	
7/17/2019	XX	GW301XBB9	245	7.8	13.7	164.41	1.5		165.91	202	0.2		1.6	
10/28/2019	XX	GW301XBH2	248	8.1	10.2		F1	185.1	165.91	322	0.3		1.9	
4/27/2020	XX	GW301XCC9	228	7.8	7.1	165.6	0.31		165.91	301	0.2		2.4	
7/20/2020	XX	GW301XCH2	248	7.9	14.2	165.89	0.02		165.91	143	0.2		3.3	
10/26/2020	XX	GW301XD26	248	7.3	9.8	164.11	1.8	185.12	165.91	334	0.2		2.7	
4/5/2021	XX	GW301XDB8	255	7.4	7.4	165.41	0.5		165.91	249	0.3		2	
7/12/2021	XX	GW301XDJ0	239	8.2	13.8	165.14	0.77		165.91	127	0.1		3.6	
10/4/2021	XX	GW301XE58	259	8.1	12.6	165.01	0.9		165.91	95	0.2		1.5	
4/25/2022	XX	GW301XF00	219	7.9	9.6	165.76	0.15		165.91	96	0.3		2.8	
7/18/2022	XX	GW301XF7I	238	7.8	15.3	164.41	1.5		165.91	41	0.1		2.3	
10/3/2022	XX	GW301XFHJ	242	7.3	12.2	162.91	3	185.11	165.91	92	0.2		2	
4/17/2023	XX	GW301XGHA	333	8.4	10.1	165.81	0.1		165.91	145	0.2		0.8	
7/10/2023	XX	GW301XH7C	242	8.2	13.7	165.06	0.85		165.91	29	0.1		2.1	
10/2/2023	XX	GW301X04J	243	8.3	12.8	162.81	3.1	185.11	165.91	63	0.2		0.7	
4/1/2024	XX	GW301X11A	230	8.3	8	165.61	0.3		165.91	36	0.2		2.4	
7/15/2024	XX	GW301X1CC	252	7.8	15.2	165.38	0.53		165.91	161	0.2		1.2	
10/7/2024	XX	GW301X1I3	238	7.5	11.8	165.76	0.15	185.11	165.91	172	0.2		1	

MW-302 & MW-302R

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/27/2015	XX	GW302X797	270	6.7	7.1	201.61	5.25		206.86	381	6.7		0.6	

(MW-302 & MW-302R)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/13/2015	XX	GW302X7CJ	367	6.7	12.1	197.04	9.82		206.86	322	6		1.3	
10/26/2015	XX	GW302X7I8	766	6.7	11.4	197.66	9.2	32.22	206.86	282	4.6		0.4	
4/4/2016	XX	GW302X86I	293	6.8	6	201.24	5.62		206.86	351	6.2		2.7	
7/25/2016	XX	GW302X8B8	300	6.9	12.4	191.23	15.63		206.86	367	6.1		0.9	
10/24/2016	XX	GW302X8J7	630	6.4	11.9	188.36	18.5	32.22	206.86	350	1.3		2.6	
4/17/2017	XX	GW302X97D	310	6.7	7.2	201.46	5.4		206.86	366	8.2		1.7	
7/24/2017	XX	GW302X9DB	347	6.5	11.7	191.35	15.51		206.86	357	5.6		5.5	
10/23/2017	XX	GW302X9H6	698	6.8	11.5	187.51	19.35	32.25	206.86	421	1.6		2.1	
4/2/2018	XX	GW302XA35	490	6.7	6.5	202.36	4.5		206.86	375	6.3		2	
7/16/2018	XX	GW302XAC6	354	6.4	11.6	191.08	15.78		206.86	345	6		3	
10/1/2018	XX	GW302XB14	851	6.7	11.1	187.26	19.6	32.23	206.86	311	1.7		2.4	
4/22/2019	XX	GW302XB61	181	6.7	6.7	202.33	4.53		206.86	400	9		2.7	
7/17/2019	XX	GW302XBCC	335	6.4	12	198.31	8.55		206.86	295	6.4		1.5	
10/28/2019	XX	GW302XBI5	317	6.5	11.1	201.69	5.17	32.2	206.86	375	2.1		1.9	
4/27/2020	XX	GW302XCDC	269	5.7	6	199.89	6.97		206.86	367	7.8		0.8	
7/20/2020	XX	GW302XCI5	399	7.1	12.8	190.91	15.95		206.86	289	5.3		1.9	
10/26/2020	XX	GW302XD39	562	6.6	9.7	193.06	13.8	32.27	206.86	361	2.2		1.7	
4/5/2021	XX	GW302XDCB	662	6	5.9	200.56	6.3		206.86	297	1.4		3.1	
7/12/2021	XX	GW302XE03	504	6.5	10.7	192.41	14.45		206.86	284	1.1		4.5	
10/4/2021	XX	GW302XE6B	450	6.3	11.4	195.66	11.2		206.86	246	0.9		1.5	
4/25/2022	XX	GW302XF13	272	5.8	7.2	199.36	7.5		206.86	268	0.9		2.5	
7/18/2022	XX	GW302XF91	471	6.3	13.6	189.96	16.9		206.86	211	0.6		2.2	
10/3/2022	XX	GW302XFJ2	DE	DE	DE	DE	DE	DE	206.86	DE	DE		DE	

MW-303 & MW12-303R

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/27/2015	XX	GW303X799	874	6.1	8.7	183.49	25.4		208.89	407	5		0.5	
6/18/2015	XX	42173-1	564	6.4	12.6	182.59	26.3		208.89	158	1		4.2	
7/13/2015	XX	GW303X7D1	347	6.5	13.9	182.07	26.82		208.89	330	0.9		1.4	
10/26/2015	XX	GW303X7IA	370	6.5	10.4	179.6	29.29	43.4	208.89	313	1.4		1.2	
4/4/2016	XX	GW303X870	411	6.4	6.7	184.34	24.55		208.89	378	7.5		1.7	
7/25/2016	XX	GW303X8BA	549	6.3	14.3	180.39	28.5		208.89	369	0.9		1.3	
10/24/2016	XX	GW303X8J9	681	6.3	12.2	176.39	32.5	43.4	208.89	389	5.5		17.2	
4/17/2017	XX	GW303X97F	466	6.4	10.2	182.29	26.6		208.89	382	7.7		1.8	
7/24/2017	XX	GW303X9DD	419	6.2	12.3	181.5	27.39		208.89	343	0.8		2.8	
10/23/2017	XX	GW303X9H8	414	6.8	12.9	176.94	31.95	43.4	208.89	375	2.3		37.5	
4/2/2018	XX	GW303XA37	1711	6	8.8	181.64	27.25		208.89	408	5.1		1.9	
7/16/2018	XX	GW303XAC8	501	6.2	14.4	180.59	28.3		208.89	333	0.9		1.8	
10/1/2018	XX	GW303XB16	408	6.6	11.3	176.81	32.08	43.4	208.89	272	1.4		12.5	
4/22/2019	XX	GW303XB63	485	6.2	9.1	181.14	27.75		208.89	418	5.8		7.6	
7/17/2019	XX	GW303XBCE	494	5.9	11.3	181.89	27		208.89	303	2.2		1.8	
10/28/2019	XX	GW303XBI7	380	6.1	10.4	179.77	29.12	43.4	208.89	400	0.2		2.8	
4/27/2020	XX	GW303XCDE	409	6.1	8.7	180.29	28.6		208.89	361	1.9		3.6	
7/20/2020	XX	GW303XCI7	280	6.9	14.3	177.79	31.1		208.89	227	1.1		2.4	
10/26/2020	XX	GW303XD3B	577	6.2	8.9	175.49	33.4	43.4	208.89	390	1.3		2.5	
4/5/2021	XX	GW303XDCD	442	5.7	8.8	178.59	30.3		208.89	354	4.6		2.3	
7/12/2021	XX	GW303XE05	531	6.2	13.7	177.29	31.6		208.89	318	4.5		3.6	
10/4/2021	XX	GW303XE6D	673	6.3	11.5	177.12	31.77		208.89	234	1.8		2	
4/25/2022	XX	GW303XF15	277	5.8	10.5	181.24	27.65		208.89	317	5.9		7.7	
7/18/2022	XX	GW303XF93	373	6.7	16.5	178.29	30.6		208.89	222	5		8.8	
10/3/2022	XX	GW303XFJ4	401	6.3	13.7	175.74	33.15	43.4	208.89	268	3.2		5	

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(MW-303 & MW12-303R)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/17/2023	XX	GW303XGIF	474	7.2	11.2	180.89	28		208.89	348	6.5		6.2	
7/10/2023	XX	GW303XH8H	284	6.1	12.6	180.39	28.5		208.89	296	2.7		3	
10/2/2023	XX	GW303X064	286	6.5	13.8	179.79	29.1	43.4	208.89	221	2		4	
4/1/2024	XX	GW303X12E	125	6.5	9.1	180.89	28		208.89	306	8.4		22.7	
7/15/2024	XX	GW303X1DG	246	6	19.9	179.79	29.1		208.89	374	5.5		19.8	
10/7/2024	XX	GW303X1J7	298	6.3	12.8	177.39	31.5	43.35	208.89	318	2.1		19.4	

MW-401A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/27/2015	XX	GW401A78H	131	8.3	7.2	155.23	1.6		156.83	217	7.3		0.4	
7/13/2015	XX	GW401A7C9	124	8	10.3	151.47	5.36		156.83	194	6.9		0.5	
10/26/2015	XX	GW401A7HI	118	7.8	9	152.03	4.8	112.03	156.83	208	7.1		0.2	
4/6/2016	XX	GW401A868X	F	F	F		F			F	F		F	
4/27/2016	XX	GW401A868	130	8.6	7.4	153.14	3.69		156.83	270	5.9		0.1	
7/25/2016	XX	GW401A8AI	127	7.4	11.7	149.57	7.26		156.83	310	6.1		0.4	
10/24/2016	XX	GW401A8IH	127	7.6	9.2	148.33	8.5	112.2	156.83	182	5.8		0.2	
4/17/2017	XX	GW401A973	120	8.3	8.5	155.76	1.07		156.83	337	7.4		0.2	
7/24/2017	XX	GW401A9D1	126	7.9	9.2	149.68	7.15		156.83	317	7		0.5	
10/25/2017	XX	GW401A9GG	303	7	17.8	148.28	8.55	112.18	156.83	152	1.2		2	
4/2/2018	XX	GW401AA2F	134	8.3	6.6	155.47	1.36		156.83	459	3.1		0.6	
7/16/2018	XX	GW401AABG	140	8.3	11.6	149.93	6.9		156.83	365	5.5		0.5	
10/1/2018	XX	GW401AB0E	146	8.2	9.5	148.11	8.72	112.2	156.83	466	5.2		0.3	
4/22/2019	XX	GW401AB5B	130	8.4	7.6	154.92	1.91		156.83	289	6.8		0.2	
7/15/2019	XX	GW401ABC3	130	7.3	10.3	152.78	4.05		156.83	482	11.1		0.4	
10/28/2019	XX	GW401ABHG	140	7.6	9.3	154.62	2.21	112.21	156.83	243	4.9		0.5	
4/27/2020	XX	GW401ACD3	147	8.5	6.8	153.91	2.92		156.83	278	5.7		0.5	
7/20/2020	XX	GW401ACHG	121	7.5	11.1	149.85	6.98		156.83	252	5.3		0.2	
10/26/2020	XX	GW401AD30	122	7.6	8.9	150.56	6.27	112.03	156.83	435	5.7		0.3	
4/5/2021	XX	GW401ADC2	125	7.7	6.6	155.31	1.52		156.83	207	5.2		0.5	
7/12/2021	XX	GW401ADJE	124	6.6	11.1	150.72	6.11		156.83	329	5.3		0.3	
10/4/2021	XX	GW401AE62	128	7.6	10.6	153.42	3.41		156.83	240	4.6		0.2	
4/25/2022	XX	GW401AF0E	128	6.7	7.4	154.72	2.11		156.83	222	3.9		0.1	
7/18/2022	XX	GW401AF8C	132	7.7	10.3	149.48	7.35		156.83	189	4.2		0.2	
10/3/2022	XX	GW401AFID	134	7	9.4	150.23	6.6	111.96	156.83	332	4.9		0.1	
4/17/2023	XX	GW401AGI4	140	7.5	7.9	154.41	2.42		156.83	288	4.5		0.3	
7/10/2023	XX	GW401AH86	149	8.1	10.7	153.81	3.02		156.83	397	4.6		0.2	
10/2/2023	XX	GW401A05E	161	7.2	10.7	152.55	4.28	111.96	156.83	380	1.2		0.2	
4/1/2024	XX	GW401A124	168	7.9	7.2	156.22	0.61		156.83	410	4.6		0.1	
7/15/2024	XX	GW401A1D6	169	7.5	11.9	151.85	4.98		156.83	391	7		0.2	
10/7/2024	XX	GW401A1IH	171	7.3	10	150.05	6.78	112.06	156.83	444	5.1		0.3	

MW-401B

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/27/2015	XX	GW401B78I	243	7.4	6.7	150.8	6.52		157.32	174	0.2		0.4	
7/13/2015	XX	GW401B7CA	318	7	8.7	150.01	7.31		157.32	166	0.1		0.9	
10/26/2015	XX	GW401B7HJ	335	6.8	10.1	150.35	6.97	23.1	157.32	190	0.1		0.1	
4/6/2016	XX	GW401B869	274	7.2	5.9	150.69	6.63		157.32	219	1.7		0.3	
7/25/2016	XX	GW401B8AJ	360	6.4	9.8	149.79	7.53		157.32	171	0.1		0.2	
10/24/2016	XX	GW401B8II	355	6.6	10.2	149.98	7.34	23.1	157.32	199	0.1		0.2	
4/17/2017	XX	GW401B974	265	6.8	7	150.99	6.33		157.32	222	0.5		0.2	
7/24/2017	XX	GW401B9D2	305	6.8	9.5	149.72	7.66		157.32	200	0.1		0.2	
10/25/2017	XX	GW401B9GH	375	6.8	12.3	149.07	8.25	23.14	157.32	119	1		6.7	

(MW-401B)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/2/2018	XX	GW401BA2G	272	7.3	6.3	151.07	6.25		157.32	401	0.2		0.5	
7/16/2018	XX	GW401BABH	350	7.5	9.7	149.83	7.49		157.32	220	0.1		0.2	
10/1/2018	XX	GW401BB0F	363	7.2	10.4	149.42	7.9	23.14	157.32	417	0.1		0.2	
4/22/2019	XX	GW401BB5C	216	7.7	7.5	151	6.32		157.32	186	0.3		0.3	
7/15/2019	XX	GW401BBC4	267	7.2	9.2	150.56	6.76		157.32	216	3.7		0.6	
10/28/2019	XX	GW401BBHH	327	6.8	10	151.12	6.2	23.14	157.32	213	1.9		2.2	
4/27/2020	XX	GW401BCD4	246	7.7	5.9	150.64	6.68		157.32	196	0.2		1.2	
7/20/2020	XX	GW401BCHH	278	6.9	13.1	149.88	7.44		157.32	159	0.4		0.3	
10/26/2020	XX	GW401BD31	296	6.9	9.6	150.22	7.1	23.13	157.32	172	0.6		0.3	
4/5/2021	XX	GW401BDC3	268	6.7	6.2	150.82	6.5		157.32	126	0.2		0.2	
7/12/2021	XX	GW401BDJF	283	6.4	9.7	150.14	7.18		157.32	158	0.6		0.2	
10/4/2021	XX	GW401BE63	287	6.5	11.1	150.64	6.68		157.32	139	0.2		0.3	
4/25/2022	XX	GW401BF0F	270	6.6	6.7	150.69	6.63		157.32	213	0.2		0.1	
7/18/2022	XX	GW401BF8D	281	6.4	9.9	149.29	8.03		157.32	169	0.2		0.5	
10/3/2022	XX	GW401BFIE	290	6.7	10.4	150.82	6.5	23.9	157.32	213	3.5		0.2	
4/17/2023	XX	GW401BGI5	271	6.9	7	150.69	6.63		157.32	200	0.1		0.2	
7/10/2023	XX	GW401BH87	274	6.4	9.3	150.43	6.89		157.32	191	0.3		0.3	
10/2/2023	XX	GW401B05F	311	6.3	11.3	150.29	7.03	23.9	157.32	197	0.2		0.1	
4/1/2024	XX	GW401B125	287	6.7	6.9	151.05	6.27		157.32	186	0.8		0.1	
7/15/2024	XX	GW401B1D7	313	6.6	10.8	150.6	6.72		157.32	228	1.9		0.2	
10/7/2024	XX	GW401B1II	330	6.2	11.2	149.67	7.65	23.15	157.32	422	4.1		0.2	

MW-402A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/29/2015	XX	GW402A78J	137	8.5	6.9	152.05	0.15		152.2	272	4		0.8	
7/15/2015	XX	GW402A7CB	124	8.6	11.2		F1		152.2	306	3		0.4	
10/28/2015	XX	GW402A7I0	117	8.6	7.3	152.16	0.04	108.28	152.2	323	3.2		0.2	
4/6/2016	XX	GW402A86AX	F	F	F		F			F	F		F	
4/27/2016	XX	GW402A86A	129	8.8	7.2		F1		152.2	240	2.9		0.2	
7/27/2016	XX	GW402A8B0	128	8.6	12.4	152.12	0.08		152.2	248	2.9		0.3	
10/26/2016	XX	GW402A8IJ	126	8.3	8.2	151.74	0.46	108.28	152.2	245	4.5		0.4	
4/19/2017	XX	GW402A975	120	8.7	6.9	152.14	0.06		152.2	283	3.5		0.5	
7/26/2017	XX	GW402A9D3	122	8.4	10.2	152.15	0.05		152.2	321	2.7		0.4	
10/26/2017	XX	GW402A9GI	122	8.1	11	152.15	0.05	108.28	152.2	365	2.8		0.6	
4/4/2018	XX	GW402AA2H	130	8.6	6.1	152.18	0.02		152.2	460	5.2		0.3	
7/18/2018	XX	GW402AABI	136	8.5	11.9	151.97	0.23		152.2	407	2.6		0.3	
10/3/2018	XX	GW402AB0G	136	8.6	9.7	151.75	0.45	108.3	152.2	427	2.7		0.2	
4/24/2019	XX	GW402AB5D	122	8.5	6	152.14	0.06		152.2	344	3.5		0.2	
7/17/2019	XX	GW402ABC5	124	7.9	12.7		F1		152.2	339	6.1		2.1	
10/30/2019	XX	GW402ABHI	128	8.1	9.5	152.15	0.05	108.35	152.2	220	3.3		0.4	
4/29/2020	XX	GW402ACD5	134	8.3	7.5		F1		152.2	264	3.2		0.8	
7/22/2020	XX	GW402ACHI	111	8.5	10.6	152.16	0.04		152.2	319	3.4		0.5	
10/28/2020	XX	GW402AD32	112	8.5	6.7		F1	108.55	152.2	333	3.2		0.3	
4/7/2021	XX	GW402ADC4	114	7.9	7.7		F1		152.2	384	3.3		0.1	
7/14/2021	XX	GW402ADJG	112	8.1	10.5	152.15	0.05		152.2	243	3		0.4	
10/4/2021	XX	GW402AE64	118	7.6	11.9	152.14	0.06		152.2	181	1.8		0.3	
4/25/2022	XX	GW402AF0G	113	7.8	9.6	150.12	2.08		152.2	216	2.3		0.3	
7/20/2022	XX	GW402AF8E	113	7.6	11.9		F1		152.2	311	3.9		0.6	
10/3/2022	XX	GW402AFIF	113	7.1	9.7	151.54	0.66	108.39	152.2	263	9.2		0.3	
4/17/2023	XX	GW402AGI6	113	7.4	8.9	149.85	2.35		152.2	262	2.4		0.3	
7/10/2023	XX	GW402AH88	130	7.6	12.5	152.02	0.18		152.2	444	4.4		0.4	

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(MW-402A)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/2/2023	XX	GW402A05G	128	7.5	11.5	152.12	0.08	108.39	152.2	336	2.6		0.3	
4/1/2024	XX	GW402A126	123	8.2	7.4		F1		152.2	413	2.8		0.3	
7/15/2024	XX	GW402A1D8	132	7.6	12.6	152.08	0.12		152.2	362	5.4		0.2	
10/7/2024	XX	GW402A1IJ	129	7.4	10.9	148.07	4.13	108.4	152.2	402	2.5		0.4	

MW-402B

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/29/2015	XX	GW402B790	155	8.7	6.1	149.94	2.8		152.74	253	0.6		0.4	
7/15/2015	XX	GW402B7CC	147	8.5	8.9	148.36	4.38		152.74	323	0.1		0.1	
10/28/2015	XX	GW402B7I1	142	8.6	8.8	149.49	3.25	25.16	152.74	351	0.1		0.2	
4/6/2016	XX	GW402B86BX	F	F	F		F			F	F		F	
4/27/2016	XX	GW402B86B	152	8.9	6.9	149.73	3.01		152.74	226	0.1		0.2	
7/27/2016	XX	GW402B8B1	150	8.4	10.8	147.81	4.93		152.74	214	0.2		0.3	
10/26/2016	XX	GW402B8J0	150	8.3	9.3	147.53	5.21	25.15	152.74	245	0.3		0.1	
4/19/2017	XX	GW402B976	141	8.8	6.4	149.94	2.8		152.74	241	0.1		0.2	
7/26/2017	XX	GW402B9D4	145	8.2	9.6	147.76	4.98		152.74	334	0.1		0.2	
10/26/2017	XX	GW402B9GJ	147	7.9	10.8	148.16	4.58	25.16	152.74	380	0.1		0.3	
4/4/2018	XX	GW402BA2I	152	8.4	5.9	150.29	2.45		152.74	467	6.8		0.3	
7/18/2018	XX	GW402BABJ	160	8.5	10	148.12	4.62		152.74	377	0.1		0.3	
10/3/2018	XX	GW402BB0H	162	8.7	10.1	146.92	5.82	25.16	152.74	415	0.1		0.1	
4/24/2019	XX	GW402BB5E	143	8.9	5.2	150.3	2.44		152.74	265	0.1		0.3	
7/17/2019	XX	GW402BBC6	143	8.3	10.6	149.02	3.72		152.74	319	3.2		1.2	
10/30/2019	XX	GW402BBHJ	151	8.1	9.9	150.09	2.65	25.14	152.74	208	1.2		0.2	
4/29/2020	XX	GW402BCD6	157	8.3	6.4	150.03	2.71		152.74	232	0.3		0.5	
7/22/2020	XX	GW402BCHJ	130	8	8.9	148.06	4.68		152.74	360	0.4		0.3	
10/28/2020	XX	GW402BD33	131	8.6	8.7	148.82	3.92	25.2	152.74	331	0.4		0.5	
4/7/2021	XX	GW402BDC5	132	8.3	7.3	150.09	2.65		152.74	276	0.2		0.7	
7/14/2021	XX	GW402BDJH	130	8.2	9.9	148.99	3.75		152.74	185	0.5		0.2	
10/4/2021	XX	GW402BE65	132	7.5	11.4	149.59	3.15		152.74	128	0.2		0.3	
4/25/2022	XX	GW402BF0H	130	7.8	7.8	150.14	2.6		152.74	191	0.2		0.1	
7/20/2022	XX	GW402BF8F	158	7.9	9.4	148.25	4.49		152.74	233	0.2		0.5	
10/3/2022	XX	GW402BFIG	131	7.6	10.7	148.54	4.2	25.15	152.74	251	1.5		0.2	
4/17/2023	XX	GW402BGI7	130	6.9	7.6	149.96	2.78		152.74	193	0.2		0.2	
7/10/2023	XX	GW402BH89	139	8.1	10.2	149.44	3.3		152.74	394	0.5		0.2	
10/2/2023	XX	GW402B05H	148	8.1	11.5	149.14	3.6	25.15	152.74	343	0.5		0.2	
4/1/2024	XX	GW402B127	146	8.2	6.9	150.34	2.4		152.74	436	0.5		0.1	
7/15/2024	XX	GW402B1D9	146	7.9	10.3	149.89	2.85		152.74	380	6.5		0.3	
10/7/2024	XX	GW402B1J0	148	7.8	10.7	148.61	4.13	25.2	152.74	365	1		0.2	

MW-501

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/5/2018	XX	GW501XA6I	204	8.1	6.5		F1	47.6	166.19	472	4.1		0.4	
6/4/2018	XX	GW501XA7F	202	7.2	8.2		F1		166.19	346	8		1	
7/19/2018	XX	GW501XAED	235	8.8	9		F1		166.19	553	6.7		3.2	
8/20/2018	XX	GW501XAFE	255	6.7	9.2		F1		166.19	327	7		3.9	
4/24/2019	XX	GW501XB7C	297	6.7	8		F1		166.19	383	6.3		0.2	
7/17/2019	XX	GW501XBE0	176	7.8	13.3		F1		166.19	200	13.3		0.4	
10/30/2019	XX	GW501XBJ9	367	6.9	9		F1	47.6	166.19	208	4.7		0.1	
4/29/2020	XX	GW501XCF0	157	7.6	8.2		F1		166.19	386	7.7		0.2	
7/22/2020	XX	GW501XCJD	310	6	15.5		F1		166.19	331	4		0.3	
10/28/2020	XX	GW501XD4D	295	7.6	8.6		F1	47.6	166.19	367	0.9		0.2	
4/7/2021	XX	GW501XDDH	229	6.7	8.6		F1		166.19	390	2.7		0.4	

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-501)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/14/2021	XX	GW501XE18	242	7.3	11.1		F1		166.19	327	4.3		0.2	
10/6/2021	XX	GW501XE8A	192	7	10.9		F1		166.19	304	5.2		0.1	
4/27/2022	XX	GW501XF2G	231	7	8.1		F1		166.19	411	2.8		0.1	
7/20/2022	XX	GW501XFA6	212	7	8.7		F1		166.19	329	3.9		0.2	
10/5/2022	XX	GW501XG0F	221	6.9	12.6		F1	47.6	166.19	366	2.3		0.3	
4/19/2023	XX	GW501XH06	232	7.2	10		F1		166.19	409	6.5		0.3	
7/12/2023	XX	GW501X002	249	6.9	17.2		F1		166.19	503	6.7		0.3	
10/4/2023	XX	GW501X07B	287	7.1	12.9		F1	47.6	166.19	295	3.5		0.5	
4/10/2024	XX	GW501X140	277	6.7	7.8		F1		166.19	440	2.7		0.1	
7/17/2024	XX	GW501X1EJ	294	6.9	14.5		F1		166.19	340	5.5		0.1	
10/9/2024	XX	GW501X20D	294	6.7	9.5		F1	47.6	166.19	459	3.9		0.2	
MW-502														
2/26/2020	XX	GW502XC55	280	8.4	7.5		F1	46.38		249	3.7		1.2	
4/30/2020	XX	GW502XCBJ	312	8.2	7.2		F1			309	5.8		0.8	
6/23/2020	XX	GW502XCGB	389	7.9	18.2		F1			342	3.6		0.2	
8/20/2020	XX	GW502XD1I	316	7.9	18.7	160.51	0.07		160.58	390	2.7		0.2	
7/14/2021	XX	GW502XE23	315	7.5	14.1	159.68	0.9		160.58	319	2		0.2	
10/7/2021	XX	GW502XE8B	343	7.4	13.9	160.43	0.15		160.58	251	2.1		0.5	
4/27/2022	XX	GW502XF2H	256	7.3	9.1		F1			404	3.3		0.1	
7/20/2022	XX	GW502XFAI	331	7.4	12.7	160.54	0.04		160.58	279	2.1		0.7	
10/5/2022	XX	GW502XG0G	351	7.5	10.8	160.11	0.47	46.38	160.58	334	1.7		0.3	
4/19/2023	XX	GW502XH07	335	6.6	9		F1			414	7.8		0.2	
7/12/2023	XX	GW502X00E	335	7.3	17.7	160.54	0.04		160.58	492	4		0.6	
10/4/2023	XX	GW502X07C	369	7.3	14.3		F1	46.38		364	3.2		0.2	
4/10/2024	XX	GW502X141	319	7.6	7.3	160.5	0.08		160.58	444	4.3		0.2	
7/18/2024	XX	GW502X1FD	138	7.5	15.8		F1		160.58	346	5		0.1	
10/9/2024	XX	GW502X20E	330	7.4	8.2	159.97	0.61	46.38	160.58	463	3.3		0.2	
MW-503														
2/9/2021	XX	GW503XD9A	207	7.9	6.5		F1	73.02		312	5.3		1.1	
4/8/2021	XX	GW503XDA9	204	7.5	8.4		F1			368	2.3		0.6	
6/8/2021	XX	GW503XDGC	198	7.4	12.3		F1			312	2.2		0.5	
8/19/2021	XX	GW503XE46	196	6.6	10.1		F1			398	1.6		0.2	
10/7/2021	XX	GW503XE96	138	7.4	12		F1			233	2.7		0.3	
4/27/2022	XX	GW503XF3B	205	7.5	9.6		F1			369	3.6		0.2	
7/20/2022	XX	GW503XFB5	224	7.6	10.4		F1			278	1.2		1	
10/5/2022	XX	GW503XG1A	217	7.4	9.1		F1	73.02		339	1.7		0.2	
4/20/2023	XX	GW503XH11	213	7.6	5.7		F1			415	6.5		0.2	
7/13/2023	XX	GW503X011	200	7.3	12.4		F1			590	4.4		0.2	
10/4/2023	XX	GW503X086	240	7.6	14.8	163.715	0	73.02	163.715	352	3.6		0.3	
4/10/2024	XX	GW503X14F	228	7.9	7.4		F1		163.715	442	4.2		0.3	
7/18/2024	XX	GW503X1G0	230	7.8	15.1		F1		163.715	361	5.5		0.1	
10/9/2024	XX	GW503X218	216	6.9	9.7		F1	73.02	163.715	450	2.7		0.2	
MW-504														
2/9/2021	XX	GW504XD9B	124	8.4	5.9	157.459	18.15	84.38	175.609	337	7.3		2.5	
4/7/2021	XX	GW504XDAA	139	8.3	8.3	157.609	18		175.609	179	6.2		3.9	
6/9/2021	XX	GW504XDGD	108	7.6	11.2	156.969	18.64		175.609	239	7		3.1	
8/19/2021	XX	GW504XE47	103	7.7	12.1	156.679	18.93		175.609	288	2.8		0.6	

(MW-504)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/7/2021	XX	GW504XE97	123	7.7	14.6	157.259	18.35		175.609	156	4.9		0.8	
4/27/2022	XX	GW504XF3C	104	8	9.4	157.45	25.1		182.55	223	7.3		3.8	
7/21/2022	XX	GW504XFB6	!	!	!	!	!			!	!		!	
10/5/2022	XX	GW504XG1B	106	7.4	10.4	156.05	26.5	84.38	182.55	339	3		3.7	
4/20/2023	XX	GW504XH12	103	7.3	7.4	156.3	26.25		182.55	361	6.8		0.8	
7/13/2023	XX	GW504X012	131	7.7	19.4	156.45	26.1		182.55	465	8.1		0.5	
10/5/2023	XX	GW504X087	126	7.8	13.2	155.75	26.8		182.55	214	5.9		3.4	
4/11/2024	XX	GW504X14G	132	7.8	7.2	156.84	25.71		182.55	432	7.9		0.5	
7/18/2024	XX	GW504X1G1	111	6.9	18.6	157.03	25.52		182.55	344	4.2		0.8	
10/10/2024	XX	GW504X219	136	7	12.5	156.22	26.33	92.24	182.55	451	3.5		0.6	
MW-505														
2/10/2021	XX	GW505XD9C	329	7.9	5.1	173.4	13.14	84.8	186.54	25	2.2		4.5	
4/8/2021	XX	GW505XDAB	311	7.6	8.4	174.76	11.78		186.54	55	2		0.9	
6/9/2021	XX	GW505XDGE	261	7.1	11.2	171.67	14.87		186.54	51	0.9		1.1	
8/18/2021	XX	GW505XE48	244	7.6	11.4	170.16	16.38		186.54	346	1.3		0.7	
10/7/2021	XX	GW505XE98	269	7.8	13.1	173.29	13.25		186.54	33	1.3		0.5	
4/27/2022	XX	GW505XF3D	242	7.7	7.7	174.76	11.78		186.54	88	0.3		0.3	
7/21/2022	XX	GW505XFB7	242	6.9	13.3	168.01	18.53		186.54	283	0.7		6.4	
10/5/2022	XX	GW505XG1C	212	7.4	9.8	169.09	17.45	84.8	186.54	182	0.4		0.6	
4/20/2023	XX	GW505XH13	210	7.7	6.3	172.43	14.11		186.54	121	0.6		0.4	
7/13/2023	XX	GW505X013	225	7.2	11	171.91	14.63		186.54	396	4.3		0.5	
10/4/2023	XX	GW505X088	221	7.8	10.7	170.89	15.65	84.8	186.54	239	0.4		0.4	
4/11/2024	XX	GW505X14H	210	7.9	7.1	172.96	13.58		186.54	187	0.7		0.3	
7/18/2024	XX	GW505X1G2	230	7.2	15.2	170.39	16.15		186.54	230	1.6		0.3	
10/9/2024	XX	GW505X21A	222	6.9	10.6	166.9	19.64	84.9	186.54	438	2.4		0.8	
MW-506														
2/18/2021	XX	GW506XD9D	837	8.8	5.1	171.408	27.35	64.75	198.758	234	2.6		7.5	
4/8/2021	XX	GW506XDAC	667	8.1	10.2	173.258	25.5		198.758	254	3.4		6.7	
6/8/2021	XX	GW506XDGF	F16	F16	F16	170.378	28.38		198.758	F16	F16		F16	
7/14/2021	XX	GW506XE38	778	7.6	14.1	171.158	27.6		198.758	75	2		2.7	
9/1/2021	XX	GW506XE49	660	7.2	16.8	169.488	29.27		198.758	42	0.9		0.8	
10/7/2021	XX	GW506XE99	783	7.4	12.4	171.928	26.83		198.758	49	1.9		3.5	
4/27/2022	XX	GW506XF3E	499	7.5	8.6	172.758	26		198.758	28	1.5		15.2	
7/18/2022	XX	GW506XFB8	551	8.1	11	167.658	31.1		198.758	71	3.1		10.5	
10/5/2022	XX	GW506XG1D	496	7.5	8	169.758	29	64.75	198.758	103	4.7		8.6	
4/18/2023	XX	GW506XH14	481	8.1	8.9	165.198	33.56		198.758	117	3.8		8.2	
7/11/2023	XX	GW506X014	329	7.7	13.8	169.208	29.55		198.758	38	1.8		2.7	
10/4/2023	XX	GW506X089	319	7.5	13.6	171.458	27.3	64.75	198.758	36	1.6		4.1	
4/10/2024	XX	GW506X14I	!	!	!	188.758	10		198.758	!	!		!	
7/17/2024	XX	GW506X1G3	!	!	!	193.958	4.8		198.758	!	!		!	
10/9/2024	XX	GW506X21B	!	!	!	165.558	33.2	64.72	198.758	!	!		!	
MW-507														
4/5/2018	XX	GW507XA6J	221	7.7	4.1	174.63	2.2		176.83	299	6.3		0.9	
6/5/2018	XX	GW507XA7G	219	7.8	8.2	172.48	4.35		176.83	267	6.3		1.6	
7/18/2018	XX	GW507XAEE	249	7.2	11.5	170.98	5.85		176.83	298	4.6		3.5	
8/20/2018	XX	GW507XAFF	270	7.1	13.9	169.31	7.52		176.83	267	3.1		4.7	
7/14/2021	XX	GW507XE24	318	6.9	11.8	173.13	3.7		176.83	252	3.8		3.9	

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-507)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/7/2021	XX	GW507XE8C	221	6.7	12	173.83	3		176.83	297	4.5		6.1	
4/27/2022	XX	GW507XF2I	90	6.8	7.4	174.69	2.14		176.83	427	6.2		0.3	
7/20/2022	XX	GW507XFAJ	272	6.7	12.3	170.51	6.32		176.83	230	3.5		2.6	
10/5/2022	XX	GW507XG0H	324	6.6	11.8	171.98	4.85	35	176.83	261	2		2.4	
4/19/2023	XX	GW507XH08	178	8	7.2	174.53	2.3		176.83	284	5.1		1	
7/13/2023	XX	GW507X00F	129	7.3	11.3	174.03	2.8		176.83	206	6.6		5.7	
10/5/2023	XX	GW507X07D	219	6.7	11.9	173.43	3.4	35	176.83	260	7.1		1	
4/10/2024	XX	GW507X142	192	7	6.7	173.53	3.3		176.83	266	5.3		3.7	
7/17/2024	XX	GW507X1FE	297	6.7	11.4	171.61	5.22		176.83	304	2.1		3.5	
10/8/2024	XX	GW507X20F	303	6.3	11.3	167.73	9.1	35	176.83	297	1		1.5	

MW-508

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/5/2022	XX	GW508XG2E	334	7.7	9	187.47	1.8	38.78	189.27	215	1.9		1.7	
1/24/2023	XX	GW508XGBF	F	F	F		F	38.78		F	F		F	
3/30/2023	XX	GW508XGH2	281	8.4	5.7	188.9	0.37		189.27	355	3.4		0.5	
4/19/2023	XX	GW508XH1H	269	7.4	8.5	187.41	1.86		189.27	436	3.4		0.5	
6/19/2023	XX	GW508XH5H	305	7.5	9.7	188.07	1.2		189.27	464	4.2		0.3	
7/13/2023	XX	GW508X01I	303	7.4	14.3	187.12	2.15		189.27	446	3.6		0.4	
10/4/2023	XX	GW508X090	312	5.5	12.3	187.04	2.23	38.78	189.27	424	4.4		0.4	
4/10/2024	XX	GW508X157	294	7.5	7.1	187.65	1.62		189.27	458	3.7		0.3	
7/17/2024	XX	GW508X1GG	287	7.3	12.2	186.51	2.76		189.27	238	4.7		0.4	
10/10/2024	XX	GW508X220	297	7.3	9.7	184.43	4.84	38.77	189.27	469	2		0.2	

OW-06-03

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/10/2018	XX	GWXXXXA73	193	5.6	8.7	181.72	24.32	25.81	206.04	401	6		2.7	
6/5/2018	XX	GWXXXXA80	I	I	I		I			I	I		I	
7/19/2018	XX	GWXXXXAEI	I	I	I		I			I	I		I	
8/21/2018	XX	GWXXXXAFH	I	I	I	I	I		I	I	I		I	
4/23/2019	XX	GWXXXXB7B	409	6	6.2	185.54	20.5		206.04	358	3		8.2	
7/18/2019	XX	GWXXXXBDJ	I	I	I	I	I		206.04	I	I		I	
10/29/2019	XX	GWXXXXBJA	448	6.4	10.3	182.91	23.13	25.81	206.04	176	0.9		10.2	
4/29/2020	XX	GWXXXXCEJ	641	6.1	8.7	180.54	25.5		206.04	140	2.3		43.8	
7/20/2020	XX	GWXXXXCJC	I	I	I	I	I		206.04	I	I		I	
10/28/2020	XX	GWXXXXD4E	778	6.3	7	181.02	25.02	25.81	206.04	200	1.3		11.7	
4/7/2021	XX	GWXXXXDDG	497	5.9	10.4	183.24	22.8		206.04	87	0.9		2.9	
7/14/2021	XX	GWXXXXE17	626	6	15.3	182.54	23.5		206.04	144	1.5		8.6	
10/6/2021	XX	GWXXXXE7F	1035	6	16.4	180.92	25.12		206.04	123	0.5		3.4	
4/28/2022	XX	GWXXXXF25	292	5.9	7.7	180.74	25.3		206.04	158	2		8.9	
7/20/2022	XX	GWXXXXFA5	I	I	I	181.89	24.15		206.04	I	I		I	
10/6/2022	XX	GWXXXXG04	758	5.9	13.4	181.12	24.92	25.8	206.04	103	1.6		4.7	
4/20/2023	XX	GWXXXXGJF	775	7.8	6.8	180.84	25.2		206.04	180	0.9		5.1	
7/12/2023	XX	GWXXXX001	D	D	D	D	D		206.04	D	D		D	
10/4/2023	XX	GWXXXX070	D	D	D	180.36	25.68	25.8	206.04	D	D		D	
4/2/2024	XX	GWXXXX139	256	5.9	10.4	185.94	20.1		206.04	168	3.7		1	
7/18/2024	XX	GWXXXX1EI	I	I	I	181.94	24.1		206.04	I	I		I	
10/10/2024	XX	GWXXXX202	I	I	I	180.54	25.5	25.8	206.04	I	I		I	

OW-601A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/11/2018	XX	GW601AA69	336	7.2	8.2	182.32	35.62	79.02	217.94	223	7.9		1355	
6/6/2018	XX	GW601AA76	324	7.4	9.2	182.34	35.6		217.94	276	2.7		38.1	

REPORT PREPARED: 4/14/2025 09:20
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 1/1/2025

DATA SUMMARY TABLE
Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(OW-601A)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/19/2018	XX	GW601AAE4	364	7.1	14.1	180.54	37.4		217.94	187	4.6		3.3	
8/22/2018	XX	GW601AAF5	379	7.2	14.2	178.84	39.1		217.94	273	1.5		3.3	
4/24/2019	XX	GW601AB76	410	7.2	6.4	181.34	36.6		217.94	402	0.9		1.7	
7/18/2019	XX	GW601ABB6	409	7.1	13.3	181.74	36.2		217.94	291	2		1.7	
10/30/2019	XX	GW601ABJB	378	7	11.3	179.69	38.25	79.02	217.94	314	6.4		2	
4/29/2020	XX	GW601ACC6	311	5.9	10.4	180.04	37.9		217.94	378	2.6		6.9	
7/22/2020	XX	GW601ACGJ	369	6.7	11.6	177.59	40.35		217.94	290	2.6		8.9	
10/28/2020	XX	GW601AD4F	415	7.1	8.4	175.34	42.6	79.02	217.94	291	1.8		10.6	
4/7/2021	XX	GW601ADB5	418	7	9.2	178.54	39.4		217.94	186	1.6		4	
7/12/2021	XX	GW601ADIH	398	7.7	11.7	177.19	40.75		217.94	172	2.1		6.5	
10/5/2021	XX	GW601AE7G	434	7.3	12.7	176.94	41		217.94	164	2.3		1.8	
4/29/2022	XX	GW601AF26	362	6.6	8.8	181.19	36.75		217.94	236	1.5		2.7	
7/21/2022	XX	GW601AF7F	420	6.7	17.7	178.09	39.85		217.94	176	1.7		1.5	
10/6/2022	XX	GW601AG05	426	6.6	9.9	175.59	42.35	79.02	217.94	241	2.7		2	
4/20/2023	XX	GW601AGJG	545	6.9	7.2	180.64	37.3		217.94	305	1.9		0.9	
7/12/2023	XX	GW601AH79	424	7.5	15.1	180.24	37.7		217.94	107	1.6		2.4	
10/5/2023	XX	GW601A071	459	6.7	14.5	179.59	38.35	79.02	217.94	247	3.3		0.6	
4/1/2024	XX	GW601A13A	215	7	9.7	180.79	37.15		217.94	258	8.9		0.7	
7/18/2024	XX	GW601A1C9	261	6.9	13.7	179.59	38.35		217.94	305	5.9		10.5	
10/10/2024	XX	GW601A203	351	6.5	10.3	177.24	40.7	79.09	217.94	354	1.9		1.2	

OW-601B

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/11/2018	XX	GW601BA6A	371	6.4	8.6	181.95	35.55	59.2	217.5	361	4.4		2.5	
6/6/2018	XX	GW601BA77	323	6.5	9.1	181.9	35.6		217.5	287	1.4		3	
7/19/2018	XX	GW601BAE5	339	6.2	12.6	179.95	37.55		217.5	370	3.1		2.5	
8/22/2018	XX	GW601BAF6	386	6.2	14.7	178.42	39.08		217.5	340	4.3		5	
4/23/2019	XX	GW601BB77	358	6.5	7.7	180.92	36.58		217.5	406	2.5		1	
7/18/2019	XX	GW601BBDF	351	6.2	11	181.34	36.16		217.5	259	2.1		5.7	
10/30/2019	XX	GW601BBJC	369	6.7	10.4	179.2	38.3	59.19	217.5	328	3		6.3	
4/29/2020	XX	GW601BCEF	312	5.9	9.9	179.65	37.85		217.5	381	2.9		7.6	
7/22/2020	XX	GW601BCJ8	342	6.5	11.5	177.23	40.27		217.5	297	5.5		3.5	
10/28/2020	XX	GW601BD4G	403	6.5	8.3	174.95	42.55	59.2	217.5	341	3.2		2.4	
4/7/2021	XX	GW601BDDC	358	6.2	11.3	178.08	39.42		217.5	253	2.8		1.2	
7/12/2021	XX	GW601BE13	341	6.8	13.8	176.8	40.7		217.5	251	3.2		4.3	
10/5/2021	XX	GW601BE7H	377	6.5	11.8	176.7	40.8		217.5	222	3		1.4	
4/29/2022	XX	GW601BF27	296	5.9	8.1	180.7	36.8		217.5	293	2.5		2.3	
7/21/2022	XX	GW601BFA1	336	6.2	13.7	177.7	39.8		217.5	220	2.9		2.1	
10/6/2022	XX	GW601BG06	391	6	11	175.2	42.3	59.2	217.5	293	3.3		1.2	
4/20/2023	XX	GW601BGJH	427	6.3	8.3	180.3	37.2		217.5	370	5.3		0.6	
7/12/2023	XX	GW601BH9F	337	6.4	25	180.05	37.45		217.5	162	2.4		2.6	
10/5/2023	XX	GW601B072	359	6.1	13.2	179.2	38.3		217.5	283	3.3		1	
4/1/2024	XX	GW601B13B	359	6.3	9.7	180.4	37.1		217.5	270	2.3		1	
7/18/2024	XX	GW601B1ED	326	6.1	13.2	179.25	38.25		217.5	342	2.2		2.2	
10/10/2024	XX	GW601B204	366	5.9	11.5	176.85	40.65	59.37	217.5	366	3		0.1	

OW-602A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/11/2018	XX	GW602AA6B	144	7.3	8.1	183.25	29.92	240	213.17	345	9.8		0.5	
6/6/2018	XX	GW602AA78	143	7.2	7.9	181.67	31.5		213.17	335	12.9		2	
7/19/2018	XX	GW602AAE6	143	8.2	8.6	179.32	33.85		213.17	467	10.3		2.2	
8/21/2018	XX	GW602AAF7	143	6.7	17.5	177.92	35.25		213.17	301	7.5		3.7	

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(OW-602A)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/24/2019	XX	GW602AB78	93	7.1	7.2	178.72	34.45		213.17	391	10		0.9	
7/18/2019	XX	GW602ABDG	110	6.8	8.7	178.42	34.75		213.17	308	11.2		1.6	
10/29/2019	XX	GW602ABJD	120	7.1	9.2	177.37	35.8	239.4	213.17	324	8.2		0.7	
4/29/2020	XX	GW602ACEG	128	6.8	9.8	177.45	35.72		213.17	333	8.3		0.5	
7/22/2020	XX	GW602ACJ9	152	7.1	9.8	175.17	38		213.17	308	8.2		1.2	
10/28/2020	XX	GW602AD4H	171	7	6.5	173.27	39.9	239.4	213.17	306	7		2.4	
4/7/2021	XX	GW602ADDD	253	6.7	8.8	175.47	37.7		213.17	184	2.7		0.9	
7/12/2021	XX	GW602AE14	255	7.4	11.4	174.37	38.8		213.17	210	2.6		1.5	
10/6/2021	XX	GW602AE7I	336	6.5	10.8	174.47	38.7		213.17	212	1		1.3	
4/29/2022	XX	GW602AF28	312	6.2	5.2	177.77	35.4		213.17	270	2.9		2.7	
7/21/2022	XX	GW602AFA2	313	6.5	9.8	175.17	38		213.17	183	0.8		1.4	
10/6/2022	XX	GW602AG07	328	6.2	9.2	173.37	39.8	239.4	213.17	247	1.1		1.1	
4/20/2023	XX	GW602AGJI	436	7.1	8.1	177.47	35.7		213.17	311	0.6		1	
7/12/2023	XX	GW602AH9G	356	6.9	12	177.17	36		213.17	108	0.8		2.1	
10/4/2023	XX	GW602A073	362	6.5	11.1	176.57	36.6	239.4	213.17	187	0.9		1.1	
4/2/2024	XX	GW602A13C	397	6.5	9.6	177.37	35.8		213.17	212	0.4		0.8	
7/18/2024	XX	GW602A1EE	387	6.4	12.7	176.37	36.8		213.17	333	0.4		2	
10/10/2024	XX	GW602A205	363	6.1	9.6	174.32	38.85	239.4	213.17	363	0.9		0.1	

OW-603B

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/12/2018	XX	GW603BA6C	302	5.7	7.7	187.63	20.44	28.84	208.07	415	0.3		7.2	
6/5/2018	XX	GW603BA79	211	5.9	8.3	185.27	22.8		208.07	393	3.7		2.2	
7/19/2018	XX	GW603BAE7	223	7.1	19.7	183.42	24.65		208.07	402	1.2		430	
8/21/2018	XX	GW603BAF8	136	6.1	16	182.47	25.6		208.07	315	5		11.3	
4/23/2019	XX	GW603BB79	122	6.4	6.3	181.17	26.9		208.07	409	5.8		22.1	
7/18/2019	XX	GW603BBDH	136	6.2	12.3	182.67	25.4		208.07	304	7.5		9.3	
10/29/2019	XX	GW603BBJE	185	6.5	10.2	181.51	26.56	28.84	208.07	400	0.1		32.6	
4/29/2020	XX	GW603BCEH	130	6.3	7.9	182.12	25.95		208.07	358	7.2		13.3	
7/22/2020	XX	GW603BCJA	I	I	I	I	I		208.07	I	I		I	
10/28/2020	XX	GW603BD4I	I	I	I	179.37	28.7	28.84	208.07	I	I		I	
4/7/2021	XX	GW603BDDE	D	D	D	179.32	28.75		208.07	D	D		D	
7/13/2021	XX	GW603BE15	D	D	D	D	D		208.07	D	D		D	
10/6/2021	XX	GW603BE7J	D	D	D	D	D		208.07	D	D		D	
4/28/2022	XX	GW603BF29	D	D	D	179.37	28.7		208.07	D	D		D	
7/21/2022	XX	GW603BFA3	D	D	D	D	D		208.07	D	D		D	
10/6/2022	XX	GW603BG08	D	D	D		D	28.82	208.07	D	D		D	
4/20/2023	XX	GW603BGJJ	D	D	D	179.99	28.08		208.07	D	D		D	
7/12/2023	XX	GW603BH9H	I	I	I	I	I		208.07	I	I		I	
10/5/2023	XX	GW603B074	D	D	D	179.37	28.7	28.82	208.07	D	D		D	
4/2/2024	XX	GW603B13D	D	D	D	D	D		208.07	D	D		D	
7/18/2024	XX	GW603B1EF	D	D	D	D	D		208.07	D	D		D	
10/10/2024	XX	GW603B206	D	D	D	D	D	28.77	208.07	D	D		D	

OW-604A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/12/2018	XX	GW604AA6D	89	6	7.1	184.5	14.3	33.8	198.8	416	1.6		3.1	
6/4/2018	XX	GW604AA7A	78	6.3	8.1	180.3	18.5		198.8	397	7.5		1.2	
7/19/2018	XX	GW604AAE8	89	7.8	14.5	178.25	20.55		198.8	548	6		3.2	
8/21/2018	XX	GW604AAF9	125	6.3	16.9	175.73	23.07		198.8	334	5.4		3.7	
4/23/2019	XX	GW604AB7A	119	6.4	6.2	177.81	20.99		198.8	429	5.2		2	
7/18/2019	XX	GW604ABDI	124	6.1	14.1	178.95	19.85		198.8	293	3.2		5.8	

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Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/29/2019	XX	GW604ABJF	120	6.3	11	179.06	19.74	33.8	198.8	417	0.1 U		3.7	
4/29/2020	XX	GW604ACEI	155	6.1	6.9	179.03	19.77		198.8	389	6.3		1.3	
7/21/2020	XX	GW604ACJB	160	6.3	16.6	175.05	23.75		198.8	310	4.2		2.3	
10/28/2020	XX	GW604AD4J	159	7.2	7.4	172.9	25.9	33.71	198.8	369	5.6		10.9	
4/7/2021	XX	GW604ADDF	193	6.2	11	174.3	24.5		198.8	260	6.9		1.2	
7/14/2021	XX	GW604AE16	219	6.3	12.8	173.35	25.45		198.8	284	4.8		2	
10/6/2021	XX	GW604AE80	233	6.6	14.1	173.95	24.85		198.8	234	4.7		2.1	
4/28/2022	XX	GW604AF2A	233	6	7.4	177.2	21.6		198.8	296	3.7		4.3	
7/21/2022	XX	GW604AFA4	272	5.9	16.7	173.8	25		198.8	265	3		2	
10/6/2022	XX	GW604AG09	280	6.2	13.5	173.15	25.65	36.8	198.8	260	3.6		1.9	
4/20/2023	XX	GW604AH00	411	6.8	6.6	176.3	22.5		198.8	380	3.5		0.7	
7/12/2023	XX	GW604AH9I	315	6.3	14.8	176.05	22.75		198.8	217	3.5		0.9	
10/4/2023	XX	GW604A075	336	6.2	15.3	175.4	23.4	36.8	198.8	208	3.1		1.5	
4/2/2024	XX	GW604A13E	356	6.3	9.4	177.4	21.4		198.8	231	3.9		1.6	
7/18/2024	XX	GW604A1EG	379	6.2	16.3	176.25	22.55		198.8	345	2.7		1.8	
10/10/2024	XX	GW604A207	369	5.9	10.2	173.45	25.35	36.7	198.8	376	4.4		0.4	

OW-605A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/10/2018	XX	GW605AA6E	194	7.4	7.7	162.21	24.55	260	186.76	230	7.1		8.9	
6/5/2018	XX	GW605AA7B	152	7.7	8.6	161.96	24.8		186.76	240	7.5		5	
7/19/2018	XX	GW605AAE9	151	7.3	14.4	161.69	25.07		186.76	286	6.9		7.4	
8/21/2018	XX	GW605AAFA	147	7.3	12.7	161.51	25.25		186.76	272	7.1		6.6	
7/14/2021	XX	GW605AE25	134	7.4	12.4	163.31	23.45		186.76	232	2.4		0.5	
10/7/2021	XX	GW605AE8G	193	6.8	11.5	163.54	23.22		186.76	246	1.4		0.8	
4/28/2022	XX	GW605AF31	218	6.8	7.5	165.26	21.5		186.76	397	1.7		0.2	
7/21/2022	XX	GW605AFB0	235	6.4	13.2	164.46	22.3		186.76	334	1.3		5.8	
10/6/2022	XX	GW605AG10	237	7.1	10	164.43	22.33	155	186.76	378	1.8		0.6	
4/20/2023	XX	GW605AH0B	83	7.4	8.8	166.11	20.65		186.76	295	3.6		1.2	
7/12/2023	XX	GW605A00G	267	6.4	13.4	165.16	21.6		186.76	382	2.4		0.3	
10/4/2023	XX	GW605A07G	272	6.7	15.2	165.36	21.4	155	186.76	203	1.2		0.4	
4/2/2024	XX	GW605A145	102	7.7	11.1	166.16	20.6		186.76	399	2.7		2.1	
7/18/2024	XX	GW605A1FF	262	6.6	14.2	165.29	21.47		186.76	358	3		1.2	
10/9/2024	XX	GW605A20I	261	6.9	11	164.86	21.9	160.45	186.76	333	5.3		0.4	

OW-606A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/3/2018	XX	GW606AA6F	427	8.2	5.5		F1	240		372	3.8		0.4	
6/4/2018	XX	GW606AA7C	339	8.4	7.9		F1			301	4.6		0.9	
7/19/2018	XX	GW606AAEA	353	8	10.2		F1			259	4		2.5	
8/21/2018	XX	GW606AAFB	353	8.1	10		F1			248	4.3		3.1	
7/14/2021	XX	GW606AE06	290	7.7	11.1		F1			336	4.2		0.3	
10/7/2021	XX	GW606AE8H	287	7.7	13		F1			254	3.3		0.3	
4/28/2022	XX	GW606AF32	296	7.6	7.8		F1			395	3.3		0.2	
7/20/2022	XX	GW606AF94	291	7.8	9.1		F1			295	3.3		0.5	
10/6/2022	XX	GW606AG11	167	7.4	11.9	155.67	3.95	200 >	159.62	384	3		1.2	
4/19/2023	XX	GW606AH0C	310	7.4	10.2		F1		159.62	331	8.3		0.2	
7/12/2023	XX	GW606AH8I	354	7.8	12.7		F1		159.62	485	4.6		0.8	
10/5/2023	XX	GW606A07H	356	7.8	8.4		F1	200 >	159.62	484	2.6		0.3	
4/9/2024	XX	GW606A146	371	8	9.1		F1		159.62	398	6.2		0.2	
7/17/2024	XX	GW606A1DH	385	7.8	8.2		F1		159.62	329	5.1		0.1	
10/9/2024	XX	GW606A20J	346	7.6	12	159.58	0.04	200 >	159.62	439	4.6		0.2	

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Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
OW-606B														
2/9/2021	XX	GW606BD9E	F	F	F	162.846	3.03 F	17	165.876	F	F		F	
4/8/2021	XX	GW606BDAD	234	7.1	5.5	162.796	3.08		165.876	253	3.3		9.2	
6/8/2021	XX	GW606BDGG	176	7.1	11.5	161.876	4		165.876	329	3.1		3.6	
7/14/2021	XX	GW606BE37	155	7.3	14.6	162.456	3.42		165.876	352	3.9		0.8	
8/18/2021	XX	GW606BE4A	165	7.7	17.1	161.586	4.29		165.876	333	2.4		0.5	
10/7/2021	XX	GW606BE8I	162	7.2	12.2	162.736	3.14		165.876	162	3		0.5	
4/28/2022	XX	GW606BF33	240	6.9	9.7	162.576	3.3		165.876	350	1.2		0.4	
7/20/2022	XX	GW606BFB9	157	7.4	13.3	162.156	3.72		165.876	329	3.9		7.1	
10/6/2022	XX	GW606BG12	291	7.7	8.7		F1	17	165.876	362	1.9		0.3	
4/19/2023	XX	GW606BH0D	151	7.5	7	162.436	3.44		165.876	369	10.8		0.3	
7/12/2023	XX	GW606B015	171	7.8	13.1	162.276	3.6		165.876	476	4.9		0.3	
10/5/2023	XX	GW606B07I	178	7.7	13.5	161.856	4.02	17	165.876	466	4.7		0.6	
4/9/2024	XX	GW606B147	174	8	4.6	162.326	3.55		165.876	401	5.8		0.5	
7/17/2024	XX	GW606B1G4	183	7.6	15.9	162.056	3.82		165.876	334	9.6		0.4	
10/9/2024	XX	GW606B210	183	7.1	12.6	162.096	3.78	17	165.876	441	4.3		0.4	
OW-607B														
2/9/2021	XX	GW607BD9F	142	7.8	4.9	165.057	10.12	54	175.177	322	2.9		2.5	
4/7/2021	XX	GW607BDAE	172	7.8	8.8	166.977	8.2		175.177	105	0.5		1.8	
6/9/2021	XX	GW607BDGH	160	7.2	11.5	164.477	10.7		175.177	249	2		1.1	
8/19/2021	XX	GW607BE4B	138	7.6	12.7	163.077	12.1		175.177	202	1.2		0.3	
10/7/2021	XX	GW607BE8J	129	7.1	17.1	164.927	10.25		175.177	225	3.3		0.5	
4/28/2022	XX	GW607BF34	143	7.2	6.4	165.4	16.4		181.8	191	2.9		14.5	
7/20/2022	XX	GW607BFBA	161	7.6	22.5	161	20.8		181.8	86	1.1		12.1	
10/6/2022	XX	GW607BG13	142	7.3	9.9	161.48	20.32	60.75	181.8	349	0.9		2.1	
4/20/2023	XX	GW607BH0E	140	7.3	9	162.45	19.35		181.8	255	3.9		1.2	
7/13/2023	XX	GW607B016	162	7.9	19.8	162.55	19.25		181.8	356	2.7		1.2	
10/5/2023	XX	GW607B07J	143	7.9	13.3	161.5	20.3		181.8	165	2.4		3	
4/10/2024	XX	GW607B148	146	7.4	9.2	163.2	18.6		181.8	169	3.9		1	
7/18/2024	XX	GW607B1G5	150	7.6	18.9	163.08	18.72		181.8	328	4.4		0.4	
10/10/2024	XX	GW607B211	156	6.9	10.9	161.92	19.88	61.05	181.8	459	2		0.6	
OW-608A														
4/4/2018	XX	GW608AA6G	197	8.4	7.5	160.89	35.72	260	196.61	320	2.7		5.1	
6/4/2018	XX	GW608AA7D	200	8.4	8.3	160.11	36.5		196.61	5	0.3		10	
7/18/2018	XX	GW608AAEB	205	8	11	159.81	36.8		196.61	42	0.3		10.3	
8/20/2018	XX	GW608AAFC	176	8.6	15.5	159.44	37.17		196.61	247	6.4		10	
7/15/2021	XX	GW608AE26	205	8.2	11.4	159.16	37.45		196.61	36	0.4		5.2	
10/6/2021	XX	GW608AE90	127	7.8	13.2	159.15	37.46		196.61	65	0.4		1.2	
4/28/2022	XX	GW608AF35	169	7.8	8.3	159.51	37.1		196.61	9	0.2		9.6	
7/20/2022	XX	GW608AFB1	188	8.3	13.8	158.61	38		196.61	29	0.5		12.5	
10/5/2022	XX	GW608AG14	196	7.9	15	158.81	37.8	260	196.61	60	0.5		9.5	
4/19/2023	XX	GW608AH0F	265	8.7	8.2	159.16	37.45		196.61	8	0.2		2.5	
8/2/2023	XX	GW608A00H	170	8.1	9.4	158.91	37.7		196.61	49	0.6		2.5	
10/5/2023	XX	GW608A080	204	7.9	9.8	158.86	37.75		196.61	160	0.4		1.2	
4/1/2024	XX	GW608A149	140	9	10.2	161.99	37.5		199.49	127	1.6		1.6	
7/17/2024	XX	GW608A1FG	113	9	14.3	161.79	37.7		199.49	142	1.7		8.7	
10/9/2024	XX	GW608A212	129	8.7	8.1	161.09	38.4	260	199.49	178	1.2		5.1	

(OW-608B)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
OW-608B														
2/10/2021	XX	GW608BD9G	228	8.1	5.6	196.254	5.15	46.09	201.404	222	1.4		3.2	
4/8/2021	XX	GW608BDAF	272	8.4	7.5	197.054	4.35		201.404	45	0.2		2.6	
6/8/2021	XX	GW608BDGI	258	7.6	13.2	194.874	6.53		201.404	54	0.5		2.1	
8/17/2021	XX	GW608BE4C	244	7.7	13.1	193.874	7.53		201.404	284	0.9		0.8	
10/6/2021	XX	GW608BE91	232	6.8	14.5	195.254	6.15		201.404	199	1		1.5	
4/28/2022	XX	GW608BF36	219	7.9	7.7	195.134	6.27		201.404	124	0.5		5.1	
7/20/2022	XX	GW608BFBB	264	8.2	15.5	192.404	9		201.404	12	0.3		3.5	
10/5/2022	XX	GW608BG15	251	8.1	12.9	193.104	8.3	46.09	201.404	34	0.2		4.5	
4/19/2023	XX	GW608BH0G	315	8.6	8.5	194.504	6.9		201.404	221	2.1		1.2	
7/13/2023	XX	GW608B017	211	8.6	14.8	194.954	6.45		201.404	35	0.4		1.5	
10/5/2023	XX	GW608B081	255	7.5	12.5	192.954	8.45	46.09	201.404	246	0.5		1	
4/1/2024	XX	GW608B14A	196	7	8.9	194.804	6.6		201.404	240	1.9		6.1	
7/17/2024	XX	GW608B1G6	218	6.6	14.8	193.604	7.8		201.404	263	0.2		12.3	
10/9/2024	XX	GW608B213	202	6.6	11.1	190.654	10.75	46.18	201.404	261	1.3		18.5	
OW-609B														
2/10/2021	XX	GW609BD9H	380	7.7	6.2	198.467	14.46	51.61	212.927	315	7		3.3	
4/8/2021	XX	GW609BDAG	271	7.4	8	206.627	6.3		212.927	272	3.2		32.4	
6/8/2021	XX	GW609BDGJ	477	6.8	12	196.917	16.01		212.927	228	0.5		12.5	
8/17/2021	XX	GW609BE4D	418	7.6	11.8	194.697	18.23		212.927	225	0.8		1.2	
10/7/2021	XX	GW609BE92	468	7.6	9.8	196.927	16		212.927	105	0.3		4.9	
4/28/2022	XX	GW609BF37	226	6.9	7.6	200.127	12.8		212.927	206	1		11.5	
7/18/2022	XX	GW609BFBC	334	7.6	12.5	194.277	18.65		212.927	131	0.4		3.8	
10/5/2022	XX	GW609BG16	318	7.8	8.8	196.777	16.15	51.61	212.927	71	0.4		2.7	
4/18/2023	XX	GW609BH0H	227	7.4	7.8	197.587	15.34		212.927	231	3.3		7.2	
7/11/2023	XX	GW609B018	266	7.3	11.9	200.227	12.7		212.927	164	3.4		4.7	
10/4/2023	XX	GW609B082	309	7.4	10.9	199.727	13.2	51.61	212.927	108	0.5		2.8	
4/10/2024	XX	GW609B14B	140	6.8	7.5	195.77	6		201.77	289	3.2		23.5	
7/17/2024	XX	GW609B1G7	376	7.5	13.6	189.42	12.35		201.77	265	2.4		9	
10/9/2024	XX	GW609B214	344	7.2	12.3	184.52	17.25	51.65	201.77	237	1.2		0.7	
OW-610A														
10/5/2022	XX	GW610AG2F	410	6.9	10.9	172.98	7.27	39.52	180.25	174	0.3		2.2	
1/24/2023	XX	GW610AGBG	466	7.7	5	173.93	6.32	39.52	180.25	126	2.9		2.8	
4/19/2023	XX	GW610AH1I	521	8.2	7.4	174.9	5.35		180.25	230	0.2		0.8	
6/19/2023	XX	GW610AH61	375	7.3	10.3	174.5	5.75		180.25	120	0.3		2.1	
7/13/2023	XX	GW610A01H	363	7.2	12.5	174.6	5.65		180.25	87	0.2		1.7	
10/5/2023	XX	GW610A091	350	7.2	12.7	174.05	6.2	39.52	180.25	254	0.3		1	
4/10/2024	XX	GW610A158	453	7.1	7.2	174.34	5.91		180.25	220	0.3		1	
7/17/2024	XX	GW610A1GF	450	6.9	24.6	173.35	6.9		180.25	230	0.3		0.6	
10/8/2024	XX	GW610A221	422	6.5	15.3	170.7	9.55	39.54	180.25	170	0.8		1.8	
OW-611A														
4/4/2018	XX	GW611AA6H	502	7.1	7	176.7	8.45	220	185.15	366	5.1		0.4	
6/5/2018	XX	GW611AA7E	393	7.2	8.7	175.25	9.9		185.15	363	5.6		2	
7/18/2018	XX	GW611AAEC	405	7	12.5	174.65	10.5		185.15	305	4.5		3.3	
8/20/2018	XX	GW611AAFD	400	7	13.4	174.12	11.03		185.15	243	3.6		5.5	
7/14/2021	XX	GW611AE27	496	7	10.2	176.45	8.7		185.15	248	3.7		4.1	
10/7/2021	XX	GW611AE93	473	6.8	10.9	176.85	8.3		185.15	272	3.5		3.2	

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(OW-611A)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/27/2022	XX	GW611AF38	370	6.8	8.3	177.61	7.54		185.15	227	4.2		3.4	
7/20/2022	XX	GW611AFB2	416	6.6	12.4	174.8	10.35		185.15	253	3.7		2.5	
10/6/2022	XX	GW611AG17	378	6.9	9.8	175.48	9.67	220	185.15	388	2		0.5	
4/20/2023	XX	GW611AH0I	553	7.7	7	175.95	9.2		185.15	272	7.5		1.2	
7/13/2023	XX	GW611A00I	466	6.9	11.5	175.46	9.69		185.15	406	4.3		0.5	
10/5/2023	XX	GW611A083	458	6.8	9.8	174.65	10.5	220	185.15	451	4.1		0.5	
4/1/2024	XX	GW611A14C	431	6.8	7.9	175.3	9.85		185.15	390	3.8		0.2	
7/17/2024	XX	GW611A1FH	436	7	10.1	173.87	11.28		185.15	342	6.9		0.3	
10/10/2024	XX	GW611A215	187	6	11.6	171.83	13.32	220	185.15	409	1.9		0.4	

P-04-02 & P-04-02R

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
7/15/2015	XX	GWXXXX7DJ	284	7.9	13.6	158.71	12.01		170.72	316	5.8		18.2	
10/28/2015	XX	GWXXXX7J4	700	7.9	12.6	158.92	11.8	37.98	170.72	118	0.2		1.5	
4/6/2016	XX	GWXXXX87I	531	8.1	8.4	159.37	11.35		170.72	272	1.9		2.2	
7/27/2016	XX	GWXXXX8C7	772	7.8	15.4	157.92	12.8		170.72	282	1.1		0.8	
10/26/2016	XX	GWXXXX904	629	7.8	11.1	157.91	12.81	37.96	170.72	195	1.2		0.8	
4/19/2017	XX	GWXXXX98C	636	8.1	9.2	159.42	11.3		170.72	349	6.2		1.1	
7/26/2017	XX	GWXXXX9E8	604	8	12.4	157.62	13.1		170.72	350	2.2		2.4	
10/25/2017	XX	GWXXXX9I3	481	7.7	15.4	157.22	13.5	38	170.72	341	3.5		1.7	
4/4/2018	XX	GWXXXXA44	492	8.2	9.3	159.92	10.8		170.72	470	5.6		1.8	
7/18/2018	XX	GWXXXXAD3	509	8.2	13.2	157.48	13.24		170.72	446	1.7		7.3	
10/3/2018	XX	GWXXXXB21	456	8.1	12.7	157.47	13.25	38	170.72	435	1.3		1.8	
4/22/2019	XX	GWXXXXB70	327	8.3	11	159.86	10.86		170.72	401	2.9		0.9	
7/17/2019	XX	GWXXXXBDA	401	8	15.1	158.23	12.49		170.72	305	7.1		1.3	
10/30/2019	XX	GWXXXXBJ2	331	8.2	12	159.22	11.5	38	170.72	254	0.7		2.9	
4/29/2020	XX	GWXXXXCEA	419	8.1	9.8	158.75	11.97		170.72	314	4.6		0.7	
7/22/2020	XX	GWXXXXCJ3	328	7.8	12.6	156.82	13.9		170.72	335	2.4		0.5	
10/28/2020	XX	GWXXXXD46	284	8.1	10.3	157.54	13.18	37.88	170.72	356	1.8		2.1	
4/7/2021	XX	GWXXXXDD9	301	7.7	9.8	159.14	11.58		170.72	358	4.5		1.5	
7/12/2021	XX	GWXXXXE10	289	7.1	13.1	157.32	13.4		170.72	287	3.9		0.6	
10/6/2021	XX	GWXXXXE77	274	7.3	11.8	156.84	13.88		170.72	283	1.5		0.6	
4/26/2022	XX	GWXXXXF1I	260	7.5	9.3	159.17	11.55		170.72	219	3.4		3.5	
7/19/2022	XX	GWXXXXF9I	274	7.7	15.1	156.57	14.15		170.72	103	1.5		1.8	
10/4/2022	XX	GWXXXXFJH	229	6.3	13	157.72	13	38.02	170.72	288	0.5		2.4	
4/17/2023	XX	GWXXXXGJ8	280	7.6	10.1	158.52	12.2		170.72	299	3.3		1.5	
7/10/2023	XX	GWXXXXH9C	216	7.6	12.9	158.26	12.46		170.72	191	1.3		2.1	
10/2/2023	XX	GWXXXX06G	223	7.4	14.2	157.92	12.8	38.02	170.72	146	0.5		3.7	
4/1/2024	XX	GWXXXX135	181	7.5	9.6	159.52	11.2		170.72	200	3.9		3.3	
7/15/2024	XX	GWXXXX1EA	229	7.4	14.1	158.52	12.2		170.72	306	1.3		1	
10/7/2024	XX	GWXXXX1JI	220	7	12.4	157.72	13	37.98	170.72	379	1.2		0.5	

P-04-04

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/29/2015	XX	GWXXXX79B	174	8	8.3	161.1	8.15		169.25	397	5.9		0.9	
7/15/2015	XX	GWXXXX7D3	171	8.1	13.7	160.14	9.11		169.25	330	3.9		1.2	
10/28/2015	XX	GWXXXX7IC	161	8.3	11.6	160.19	9.06	32.31	169.25	324	2.3		0.5	
4/6/2016	XX	GWXXXX872	176	8.2	8.5	160.66	8.59		169.25	272	6.2		1.2	
7/27/2016	XX	GWXXXX8BC	173	7.7	14.1	159.29	9.96		169.25	249	3.7		0.7	
10/26/2016	XX	GWXXXX8JB	184	8	11.8	158.72	10.53	32.3	169.25	228	1.8		0.8	
4/19/2017	XX	GWXXXX97H	173	8.1	9.3	160.75	8.5		169.25	350	7.6		0.8	
7/26/2017	XX	GWXXXX9DF	175	8.1	13.4	159	10.25		169.25	312	3.3		1.5	

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(P-04-04)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/25/2017	XX	GWXXXX9HA	189	7.7	15.3	158.45	10.8	32.34	169.25	340	4.5		0.7	
4/4/2018	XX	GWXXXXA39	184	8.3	8.9	161.09	8.16		169.25	467	5.4		1.2	
7/18/2018	XX	GWXXXXACA	193	7.9	14	158.85	10.4		169.25	482	3.2		4.2	
10/3/2018	XX	GWXXXXB18	196	8.1	13.1	158.33	10.92	32.34	169.25	423	1.6		1.1	
4/22/2019	XX	GWXXXXB65	182	8.2	9.6	160.38	8.87		169.25	402	6.3		0.8	
7/17/2019	XX	GWXXXXBCG	190	8.1	16	159.65	9.6		169.25	304	7.7		1.4	
10/30/2019	XX	GWXXXXBI9	187	7.9	12	160.05	9.2	32.34	169.25	247	2.4		2.2	
4/29/2020	XX	GWXXXXCDG	197	8.2	9.9	161.29	7.96		169.25	314	7.2		0.8	
7/22/2020	XX	GWXXXXCI9	170	7.8	14	157.93	11.32		169.25	329	4		0.6	
10/28/2020	XX	GWXXXXD3D	167	8.1	10.3	158.45	10.8	37.1	169.25	347	2.4		1.8	
4/7/2021	XX	GWXXXXDCF	169	7.8	9.6	160.01	9.24		169.25	358	6.6		0.3	
7/12/2021	XX	GWXXXXE07	170	7.5	12.8	157.65	11.6		169.25	287	3.9		0.8	
10/6/2021	XX	GWXXXXE6F	175	7.3	13.4	159.05	10.2		169.25	277	1.9		0.8	
4/26/2022	XX	GWXXXXF17	175	7.6	9	160.4	8.85		169.25	231	6.1		2.8	
7/19/2022	XX	GWXXXXF95	194	7.8	14	157.43	11.82		169.25	115	2.8		4.7	
10/4/2022	XX	GWXXXXFJ6	194	6.7	13.3	158.73	10.52	37.11	169.25	256	1.8		1.7	
4/17/2023	XX	GWXXXXGIH	289	7.9	9.7	159.9	9.35		169.25	296	5.6		0.9	
7/10/2023	XX	GWXXXXH8J	201	7.8	13.1	159.32	9.93		169.25	197	2.8		1.6	
10/2/2023	XX	GWXXXX066	201	7.7	13.6	159.15	10.1	32.35	169.25	125	1.1		2.6	
4/1/2024	XX	GWXXXX12G	190	8	9.1	160.25	9		169.25	188	6		1.7	
7/15/2024	XX	GWXXXX1DI	208	7.5	13.7	159.17	10.08		169.25	293	2.9		2.4	
10/7/2024	XX	GWXXXX1J9	198	7.3	12.4	158.25	11	32.35	169.25	377	1.4		0.1	

P-04-07A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/3/2022	XX	GWXXXXG2G	280	6.7	9.2	173.49	3.63	28.22	177.12	265	1.3		2	
1/24/2023	XX	GWX07AGBD	F	F	F		F	28.17	177.12	F	F		F	
3/30/2023	XX	GWX07AGH0	245	7.8	5.6	176.06	1.06		177.12	372	3.2		0.2	
4/19/2023	XX	GWXXXXH1J	250	6.9	7.2	175.36	1.76		177.12	363	1.6		0.8	
6/19/2023	XX	GWX07AH5F	259	6.7	8.8	175.01	2.11		177.12	474	4.5		0.4	
7/13/2023	XX	GWX07A01J	259	6.7	10.8	175	2.12		177.12	445	4.2		1.2	
10/5/2023	XX	GWXXXX092	256	6.6	12.1	174.14	2.98	28.22	177.12	325	2		0.5	
4/9/2024	XX	GWXXXX159	251	7.2	7.3	174.71	3.22		177.93	400	3.5		0.3	
7/17/2024	XX	GWX07A1GH	257	6.9	14.1	174.25	3.68		177.93	196	6.2		0.4	
10/10/2024	XX	GWXXXX222	261	7	10.8	172.2	5.73	28.12	177.93	425	1.9		0.8	

P-04-07B

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/3/2022	XX	GWXXXXG2H	476	6.8	9.1	173.64	3.51	16.45	177.15	269	1.8		4.3	
1/24/2023	XX	GWX07BGBE	F	F	F		F	16.45	177.15	F	F		F	
3/30/2023	XX	GWX07BGH1	478	7.5	4.4	176.12	1.03		177.15	365	0.2		0.3	
4/19/2023	XX	GWXXXXH20	457	7.1	6.3	175.64	1.51		177.15	350	0.3		0.3	
6/19/2023	XX	GWX07BH5G	504	7	9.1	175.43	1.72		177.15	482	1.6		0.3	
7/13/2023	XX	GWX07B020	507	7	13	175.17	1.98		177.15	421	1.6		1.2	
10/5/2023	XX	GWXXXX093	526	7	13	174.32	2.83	16.54	177.15	335	0.6		0.5	
4/9/2024	XX	GWXXXX15A	535	7.3	6.7	175.69	2.15		177.84	413	1.2		0.5	
7/17/2024	XX	GWX07B1GI	552	7.3	13.7	174.29	3.55		177.84	167	1.9		0.6	
10/10/2024	XX	GWXXXX223	548	7.2	11.2	172.22	5.62	16.58	177.84	356	1.8		0.6	

P-04-11A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/10/2021	XX	GWXXXXD9I	120	7.8	5.3	175.86	11.22	52.66	187.08	371	5.3		3.3	
4/8/2021	XX	GWXXXXDAH	126	7.4	7.4	175.91	11.17		187.08	204	5		0.8	

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Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
6/9/2021	XX	GWXXXXDH0	75	5.9	11.9	173.68	13.4		187.08	385	4.4		1.2	
8/18/2021	XX	GWXXXXE4E	125	7	9.7	172.04	15.04		187.08	140	3.1		0.3	
10/6/2021	XX	GWX11AE94	126	6.8	14.1	172.55	14.53		187.08	224	2.8		1.2	
4/27/2022	XX	GWX11AF39	117	7.3	7.8	177.13	9.95		187.08	200	6.9		0.2	
7/21/2022	XX	GWXXXXFBE	101	6.6	15.7	169.21	17.87		187.08	274	1.3		3.2	
10/6/2022	XX	GWX11AG18	114	7.5	8.3	169.83	17.25	52.66	187.08	392	2.2		0.8	
4/20/2023	XX	GWX11AH0J	114	7.7	6.9	173.5	13.58		187.08	171	0.6		0.5	
7/12/2023	XX	GWXXXX01A	136	7	11.6	173.67	13.41		187.08	428	4.3		1.1	
10/5/2023	XX	GWX11A084	124	6.5	10.4	171.1	15.98	52.66	187.08	472	4.6		0.8	
4/11/2024	XX	GWX11A14D	125	8.1	7	173.47	13.61		187.08	267	8		0.2	
7/18/2024	XX	GWXXXX1G9	126	7.1	11.7	171.77	15.31		187.08	332	4.2		0.5	
10/9/2024	XX	GWX11A216	125	6.9	9.9	167.98	19.1	52.61	187.08	414	5.4		0.9	

P-04-11B

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
2/10/2021	XX	GWXXXXD9J	53	7.3	2.8	175.08	12.06	13.03	187.14	434	4		3.5	
4/8/2021	XX	GWXXXXDAI	50	6.1	8	174.97	12.17		187.14	381	8.7		8.1	
6/9/2021	XX	GWXXXXDH1	48	6.2	12.8	179.22	7.92		187.14	406	4.2		6.6	
8/18/2021	XX	GWXXXXE4F	51	7	18	179	8.14		187.14	290	3.2		2.1	
10/6/2021	XX	GWX11BE95	52	5.9	14.1	176.64	10.5		187.14	347	6.1		1.5	
4/27/2022	XX	GWX11BF3A	54	6.8	6.5	176.42	10.72		187.14	285	7.8		0.4	
7/21/2022	XX	GWXXXXFBF	D	D	D		D			D	D		D	
10/6/2022	XX	GWX11BG19	D	D	D		D	13.03			D		D	
4/20/2023	XX	GWX11BH10	48	7.6	4.3	175.11	12.03		187.14		10.9		0.4	
7/12/2023	XX	GWXXXX01B	53	5.9	14.1	174.99	12.15		187.14	377	8		1.8	
10/5/2023	XX	GWX11B085	56	7.1	13.1	179.54	7.6	13.03	187.14	450	6.5		0.7	
4/11/2024	XX	GWX11B14E	52	6.2	4.5	174.97	12.17		187.14	336	5.1		0.3	
7/18/2024	XX	GWXXXX1GA	62	5.6	13.1	178.93	8.21		187.14	313	3.4		0.4	
10/9/2024	XX	GWX11B217	D	D	D		D	12.98		D	D		D	

P-206A

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/27/2015	XX	GW206A79A	122	7.3	6.7	183.31	21.2		204.51	104	2.3		1.4	
7/13/2015	XX	GW206A7D2	133	7.8	14.8	182.11	22.4		204.51	111	2.1		2.1	
10/26/2015	XX	GW206A7IB	146	7.8	9	179.61	24.9	93.45	204.51	309	0.6		4.2	
4/4/2016	XX	GW206A871	155	7.8	5.3	184.31	20.2		204.51	134	2.6		7	
4/26/2016	XX	GW206AHBC	187	8.1	6.4	184.51	20		204.51	123	1.9		1.1	
7/25/2016	XX	GW206A8BB	194	8	17	180.51	24		204.51	217	4.3		7.3	
10/24/2016	XX	GW206A8JA	192	7.6	9.7	176.31	28.2	93.43	204.51	237	6.8		2.9	
4/17/2017	XX	GW206A97G	193	7.6	11.1	181.01	23.5		204.51	123	4.5		1.3	
7/24/2017	XX	GW206A9DE	204	7.8	13.3	181.51	23		204.51	134	4.2		2.9	
10/23/2017	XX	GW206A9H9	221	7.5	11.3	176.91	27.6	93.45	204.51	302	4.5		1.8	
4/2/2018	XX	GW206AA38	317	7.6	9	181.66	22.85		204.51	311	1.6		0.8	
7/16/2018	XX	GW206AAC9	230	7.6	14.4	180.71	23.8		204.51	102	0.9		1.4	
10/1/2018	XX	GW206AB17	234	11.8	11.9	176.11	28.4	93.43	204.51	275	3		6.7	
4/22/2019	XX	GW206AB64	212	7.9	9	177.51	27		204.51	164	3.7		1.8	
7/17/2019	XX	GW206ABCF	225	7.9	15.4	181.91	22.6		204.51	97	3.8		2.6	
10/28/2019	XX	GW206ABI8	218	7.6	8.1	179.71	24.8	93.43	204.51	117	3.7		4.7	
4/27/2020	XX	GW206ACDF	244	6.9	4.6	180.41	24.1		204.51	101	3.6		1.3	
7/20/2020	XX	GW206ACI8	242	7.7	19.5	177.76	26.75		204.51	133	4.2		1.9	
10/26/2020	XX	GW206AD3C	A	A	A	169.81	34.7	93.15	204.51	A	A		A	
4/5/2021	XX	GW206ADCE	227	6.3	5.3	177.51	27		204.51	98	4.4		3.5	

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
(P-206A)														
7/14/2021	XX	GW206AE22	232	6.9	14.3	175.95	28.56		204.51	289	3.8		3.2	
10/4/2021	XX	GW206AE6E	249	7.3	10.2	177.21	27.3		204.51	242	5		1.1	
4/25/2022	XX	GW206AF16	207	6.5	8.4	177.64	26.87		204.51	224	2.9		1.9	
7/18/2022	XX	GW206AFAH	263	6.7	17.6	176.25	28.26		204.51	171	1.9		1.3	
10/3/2022	XX	GW206AFJ5	214	7.6	8	176.01	28.5	93.43	204.51	278	3.9		2.5	
4/17/2023	XX	GW206AGIG	314	7.1	9.4	181.21	23.3		204.51	347	3.3		0.8	
7/10/2023	XX	GW206A00D	222	6.6	15.8	180.31	24.2		204.51	230	2.6		2	
10/2/2023	XX	GW206A065	277	6.4	10.4	179.91	24.6	93.43	204.51	299	5.5		3.4	
4/1/2024	XX	GW206A12F	201	7.1	8.3	181.01	23.5		204.51	220	6.8		0.5	
7/15/2024	XX	GW206A1FC	232	6.6	17.9	179.81	24.7		204.51	293	2.9		1	
10/7/2024	XX	GW206A1J8	197	6.4	12.4	177.41	27.1	93.4	204.51	348	3.4		0.8	
PWS10-1														
4/27/2015	XX	GWPWS1788	290	6.5	7.6					170	0.3		4.1	
7/13/2015	XX	GWPWS17C0	218	6.3	21.8					172	0.1		2.2	
10/26/2015	XX	GWPWS17H9	85	6.6	7.3					274	6.6		2.1	
4/4/2016	XX	GWPWS185J	247	6.5	2.7					196	0.3		2.2	
7/25/2016	XX	GWPWS18A9	121	6.6	25					190	1.5		2.1	
10/24/2016	XX	GWPWS18I8	304	6.5	9.6					155	0.1		1.1	
4/17/2017	XX	GWPWS196E	105	6.7	9.8					261	2.1		2.2	
7/24/2017	XX	GWPWS19CC	266	6.8	17.9					197	3.1		2.5	
10/25/2017	XX	GWPWS19G7	196	6.4	11.9					104	0		3.5	
4/2/2018	XX	GWPWS1A25	196	7.2	4.1					459	9.5		1.1	
7/16/2018	XX	GWPWS1AB7	186	7.2	23.1					245	2.5		2.1	
10/1/2018	XX	GWPWS1B05	148	6.2	11.7					818	5.6		2.1	
4/22/2019	XX	GWPWS1B51	187	6.4	10					195	3.1		1	
7/15/2019	XX	GWPWS1BBE	131	5.3	24.5					504	5.3		6.2	
10/28/2019	XX	GWPWS1BH7	172	6.3	9.3					260	6.7		1.1	
4/27/2020	XX	GWPWS1CCE	346	7	6.1					82	0.8		2.7	
7/20/2020	XX	GWPWS1CH7	254	6	23.2					167	0.4		3.1	
10/26/2020	XX	GWPWS1D2B	175	6	5.2					454	3.9		2.1	
4/5/2021	XX	GWPWS1DBD	189	6.3	3.5					164	0.4		3.1	
7/12/2021	XX	GWPWS1DJ5	67	6	19.4					376	3.1		2.1	
10/4/2021	XX	GWPWS1E5D	246	6	16.2					171	0.6		2.5	
4/25/2022	XX	GWPWS1F05	226	6.3	7.6					177	0.6		0.2	
7/18/2022	XX	GWPWS1F83	100	5.6	22.7					204	0.5		1	
10/3/2022	XX	GWPWS1FI4	175	6.5	12.2					300	6.5		2.1	
4/17/2023	XX	GWPWS1GHF	174	6.2	10.7					224	1.9		1.5	
7/10/2023	XX	GWPWS1H7H	175	6.5	21.7					195	0.6		3.1	
10/2/2023	XX	GWPWS1055	201	6.1	16.5					219	1.4		2.1	
4/1/2024	XX	GWPWS111F	123	6.8	4.7					454	5.5		0.6	
7/15/2024	XX	PWPWS11CH	317	6.3	26					360	8.7		3.3	
10/7/2024	XX	PWPWS11I8	192	6.6	13.8					438	3.2		0.8	
PWS10-2														
4/27/2015	XX	GWPWS2789	103	6.4	5.5					217	3.8		5.2	
7/13/2015	XX	GWPWS27C1	133	6	20.5					197	0.2		2.2	
10/26/2015	XX	GWPWS27HA	72	7.6	7.5					392	10.1		1.2	
4/4/2016	XX	GWPWS2860	117	7	1.6					227	8.3		4.1	
7/25/2016	XX	GWPWS28AA	109	7.1	26.5					280	8.3		3.5	

(PWS10-2)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
10/24/2016	XX	GWPWS28I9	91	6.7	9.5					228	3.7		1.1	
4/17/2017	XX	GWPWS296F	102	6.3	9					189	3.9		2.1	
7/24/2017	XX	GWPWS29CD	140	7.5	18.6					250	5.4		2.1	
10/24/2017	XX	GWPWS29G8	D	D	D					D	D		D	
4/2/2018	XX	GWPWS2A26	110	7.4	1.3					474	1.2		1.1	
7/16/2018	XX	GWPWS2AB8	204	6.9	22.1					492	3.6		1.2	
10/1/2018	XX	GWPWS2B06	170	7	12.8					460	7		1	
4/22/2019	XX	GWPWS2B52	135	6.9	8.9					364	7.8		0.5	
7/15/2019	XX	GWPWS2BBF	276	7.2	26.3					413	7.2		4.1	
10/28/2019	XX	GWPWS2BH8	101	6.8	9.1					263	11.3		1.5	
4/27/2020	XX	GWPWS2CCF	140	7.2	5.4					289	6.6		3.1	
7/20/2020	XX	GWPWS2CH8	142	6.2	19.1					322	3		2.1	
10/26/2020	XX	GWPWS2D2C	124	7.3	4.9					359	6.7		4.6	
4/5/2021	XX	GWPWS2DBE	70	6.8	2.8					346	6.8		2.1	
7/12/2021	XX	GWPWS2DJ6	78	5.9	20.7					404	3.2		1.2	
10/4/2021	XX	GWPWS2E5E	99	5.9	14.4					258	0.9		3.1	
4/25/2022	XX	GWPWS2F06	86	6.8	7.9					287	7.5		0.3	
7/18/2022	XX	GWPWS2F84	82	5.5	22.4					235	0.3		3.1	
10/3/2022	XX	GWPWS2FI5	94	7.3	17.1					391	1.6		2.3	
4/17/2023	XX	GWPWS2GHG	96	7.1	12.3					423	6.3		1	
7/10/2023	XX	GWPWS2H7I	199	6.5	23.4					509	2.5		4.2	
10/2/2023	XX	GWPWS2056	142	7.7	16.1					366	8.1		2.5	
4/1/2024	XX	GWPWS211G	48	6.7	3.1					441	9.6		0.6	
7/15/2024	XX	PWPWS21CI	226	6.7	25.6					341	7.6		2.2	
10/7/2024	XX	PWPWS21I9	272	7.4	13.5					405	3.1		1.2	

PWS10-3

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/27/2015	XX	GWPWS378A	57	6	7.6					264	4.1		7.1	
7/13/2015	XX	GWPWS37C2	79	6.7	25					167	5.4		2.6	
10/26/2015	XX	GWPWS37HB	80	6.7	15.4					331	10.2		2.2	
4/4/2016	XX	GWPWS3861	163	7.4	3.1					229	7		2.2	
7/25/2016	XX	GWPWS38AB	D	D	D					D	D		D	
10/24/2016	XX	GWPWS38IA	159	6.3	10.3					369	10.3		1.2	
4/17/2017	XX	GWPWS396G	61	6	10.7					269	0.8		1.8	
7/24/2017	XX	GWPWS39CE	133	6.9	22					289	7.1		2.1	
10/24/2017	XX	GWPWS39G9	D	D	D					D	D		D	
4/2/2018	XX	GWPWS3A27	51	6.3	2.7					456	3.5		0.8	
7/16/2018	XX	GWPWS3AB9	D	D	D					D	D		D	
10/1/2018	XX	GWPWS3B07	119	7.1	12.2					463	7.5		2.1	
4/22/2019	XX	GWPWS3B53	82	6.5	7.6					374	7.3		0.8	
7/15/2019	XX	GWPWS3BBG	83	7.2	23.6					449	9.9		5.5	
10/28/2019	XX	GWPWS3BH9	98	6	8.6					279	9.3		1.1	
4/27/2020	XX	GWPWS3CCG	54	6.8	5.5					314	5.8		2.5	
7/20/2020	XX	GWPWS3CH9	144	5.3	22.3					208	0.3		3.1	
10/26/2020	XX	GWPWS3D2D	197	5.9	6.1					540	7		4.1	
4/5/2021	XX	GWPWS3DBF	105	6	4.4					191	0.3		1.5	
7/12/2021	XX	GWPWS3DJ7	71	6	18.6					243	2.3		1.2	
10/4/2021	XX	GWPWS3E5F	75	5.8	12.8					303	2.7		4	
4/25/2022	XX	GWPWS3F07	79	6.2	7.9					341	3.5		0.6	
7/18/2022	XX	GWPWS3F85	112	5.8	22.6					163	0.5		1	

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
(PWS10-3)														
10/3/2022	XX	GWPWS3FI6	74	6.4	11					317	6.4		2.2	
4/17/2023	XX	GWPWS3GHH	76	6.7	9.5					436	3.7		2.4	
7/10/2023	XX	GWPWS3H7J	133	6	21.3					421	0.8		5.3	
10/2/2023	XX	GWPWS3057	76	6.6	15.3					418	3.8		1.7	
4/1/2024	XX	GWPWS311H	68	6.8	3.6					437	7.5		1.1	
7/15/2024	XX	PWPWS31CJ	166	6.6	24.5					345	2.9		4.3	
10/7/2024	XX	PWPWS31IA	189	6.9	12.9					444	4.3		1.5	
PWS-4														
1/24/2023	XX	PWXX4XGBI	A	A	A		A	A	A	A	A		A	
3/30/2023	XX	PWXX4XGH5	255	6.5	2.3					151	0.3		12.5	
4/19/2023	XX	GWXXXXH22	192	7.1	8.6					162	2.9		5.6	
6/19/2023	XX	PWXX4XH5J	118	6.3	12.4					112	0.8		11.1	
7/13/2023	XX	PWXX4X023	152	6.7	18.6					96	2.6		10.1	
10/4/2023	XX	GWXXXX094	170	6.7	17					113	3.3		8.5	
4/2/2024	XX	GWXXXX15B	48	7	9					200	9		26.9	
7/16/2024	XX	PWXX4X1H1	94	6.4	21.9					207	0.9		18.6	
10/9/2024	XX	PWXXXX224	99	6.1	10.2					175	5.5		14.7	
SW-1														
4/28/2015	XX	SWXX1X785	117	7	7.9					407	9.7		2.2	
7/14/2015	XX	SWXX1X7BH	95	7	25.1					331	3.8		4.2	
10/27/2015	XX	SWXX1X7H6	81	8.2	5.3					320	10.3		2.2	
4/5/2016	XX	SWXX1X85G	88	7	2.9					424	9.6		1.8	
7/26/2016	XX	SWXX1X8A6	211	7.1	25.2					187	2.8		10.2	
10/25/2016	XX	SWXX1X8I5	98	7.6	6.5					311	7.2		2.2	
4/18/2017	XX	SWXX1X96B	56	6.5	6.9					369	9.1		1.3	
7/25/2017	XX	SWXX1X9C9	235	6.8	18.9					221	4.2		3.3	
10/25/2017	XX	SWXX1X9G4	127	6.9	15.2					398	5.4		2.5	
4/3/2018	XX	SWXX1XA22	160	7	5.4					468	15.1		1.1	
7/17/2018	XX	SWXX1XAB4	242	7.8	19.3					316	3.2		6.7	
10/2/2018	XX	SWXX1XB02	144	6.6	9.6					514	6.1		1.4	
4/23/2019	XX	SWXX1XB4I	125	6.9	5.4					372	8.5		1.1	
7/16/2019	XX	SWXX1XBBB	109	6.7	27.5					356	4.2		3.3	
10/29/2019	XX	SWXX1XBH4	228	6.6	10.6					240	8.3		2.5	
4/28/2020	XX	SWXX1XCCB	241	7.3	10					395	7.7		2.1	
7/21/2020	XX	SWXX1XCH4	134	6.9	24.4					288	1.7		1.3	
10/27/2020	XX	SWXX1XD28	175	7.7	8.9					298	4		1.2	
4/6/2021	XX	SWXX1XDBA	179	6.5	8.7					335	7.3		2.1	
7/13/2021	XX	SWXX1XDJ2	76	6.1	21.4					259	2.8		0.8	0.0056
10/5/2021	XX	SWXX1XE5A	308	6.6	22.2					153	0.7		1.2	
4/26/2022	XX	SWXX1XF02	162	6.7	10.3					292	7.7		1.3	
7/19/2022	XX	SWXX1XF80	130	6.7	23.2					283	3.3		2.7	0.0089
10/4/2022	XX	SWXX1XFI1	192	7	15.6					301	2.6		2.2	0.0045
4/18/2023	XX	SWXX1XGHC	111	6.3	10.7					301	3.9		0.9	0.0223
7/11/2023	XX	SWXX1XH7E	162	6.5	23					319	2.4		2.3	0.0223
10/3/2023	XX	SWXX1X052	195	6.7	21.9					335	2.3		5.2	0.0022
4/2/2024	XX	SWXX1X11C	226	6.9	12.1					396	5.9		0.9	0.0111
7/16/2024	XX	SWXX1X1CE	268	6.7	29.3					351	4.8		2.6	0.0111
10/8/2024	XX	SWXX1X1I5	174	7.1	15.5					385	7.1		0.5	0.0111

(SW-2)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
SW-2														
4/28/2015	XX	SWXX2X786		6.7	9.2					355	9		1.1	
7/14/2015	XX	SWXX2X7BI	84	7	26.5					329	6.1		3.7	0.8
10/27/2015	XX	SWXX2X7H7	65	8.5	5.8					317	9.4		1.2	0.0017
4/5/2016	XX	SWXX2X85H	87	6.7	3.6					355	7.2		0.8	
7/26/2016	XX	SWXX2X8A7	81	7.3	26.9					341	3.7		7.3	0.0033
10/25/2016	XX	SWXX2X8I6	90	7.1	8.1					353	7.1		1.6	6
4/18/2017	XX	SWXX2X96C	67	6.9	10.6					349	8		0.8	0.4
7/25/2017	XX	SWXX2X9CA	110	7.1	18					235	2.1		3.4	0.4
10/25/2017	XX	SWXX2X9G5	102	7.1	16.7					415	5.4		2.1	3
4/3/2018	XX	SWXX2XA23	50	6.8	3.1					467	7.9		1.1	11.25
7/17/2018	XX	SWXX2XAB5	104	7.9	21.3					318	1.1		8.2	0.4
10/2/2018	XX	SWXX2XB03		6.7	10.2					494	4		2.1	0.25
4/23/2019	XX	SWXX2XB4J	83	6.6	4.9					360	6		0.9	
7/16/2019	XX	SWXX2XBBC	85	6.3	28.8					397	4.2		3.2	
10/29/2019	XX	SWXX2XBH5	66	5.9	8					281	13.7		0.8	
4/28/2020	XX	SWXX2XCCC	76	6.8	7					369	7.7		2.1	
7/21/2020	XX	SWXX2XCH5	68	6.9	29.2					380	5.5		1.6	
10/27/2020	XX	SWXX2XD29	77	6.8	8.4					413	6		1.2	
4/6/2021	XX	SWXX2XDBB	67	6.2	4.3					409	8.7		0.6	9
7/13/2021	XX	SWXX2XDJ3	62	5.8	18.4					393	0.9		0.9	4.5
10/5/2021	XX	SWXX2XE5B	57	6.3	17.7					323	4.4		0.5	
4/26/2022	XX	SWXX2XF03	73	6.5	6.8					375	6.5		1.9	
7/19/2022	XX	SWXX2XF81	67	6.5	25.8					323	4.2		0.8	0.0111
10/4/2022	XX	SWXX2XFI2	64	6.2	12.6					373	2.7		1.8	
4/18/2023	XX	SWXX2XGHD	58	6.1	9.2					433	5.2		0.9	
7/11/2023	XX	SWXX2XH7F	86	5.9	22.2					468	1.3		2.6	0.0223
10/3/2023	XX	SWXX2X053	79	6.2	19.5					361	2.9		3.1	0.0045
4/2/2024	XX	SWXX2X11D	59	6.4	5.2					439	10		0.6	11
7/16/2024	XX	SWXX2X1CF	98	6.3	25.5					375	3.5		1.3	
10/8/2024	XX	SWXX2X1I6	87	6.1	15.2					397	5.6		0.9	0.0111
SW-3														
4/28/2015	XX	SWXX3X787	79	7.3	6.8					328	11.3		1	9.3
4/29/2015	XX	SWXX3X7AI	88	7.7	10.3					344	8.6		0.8	9.3
7/14/2015	XX	SWXX3X7BJ	93	8.1	21.5					305	5.4		1.2	5.8
10/27/2015	XX	SWXX3X7H8	81	8.8	4.6					293	11.4		0.6	0.016
4/5/2016	XX	SWXX3X85I	76	8.3	2.3					301	12.6		1.4	
7/26/2016	XX	SWXX3X8A8	102	7.6	21.6					344	2.3		2.1	
10/25/2016	XX	SWXX3X8I7	119	8.6	6.4					253	8.6		1.3	7
4/18/2017	XX	SWXX3X96D	59	8.3	8.3					347	10.8		1.1	
7/25/2017	XX	SWXX3X9CB	120	7.4	16.8					344	2.6		1.3	5
10/25/2017	XX	SWXX3X9G6	149	6.9	15.7					407	3.6		1.3	8
4/3/2018	XX	SWXX3XA24	84	7.7	1.8					459	4.6		1.1	2
7/17/2018	XX	SWXX3XAB6	134	7.6	21.4					437	1.9		1.9	4
10/2/2018	XX	SWXX3XB04	100	7.2	10.1					507	8.1		0.5	12
4/23/2019	XX	SWXX3XB50	70	7.4	7.1					330	9		0.8	
7/16/2019	XX	SWXX3XBBD	92	7.6	24.3					300	5.7		1.3	
10/29/2019	XX	SWXX3XBH6	99	7.5	8.6					232	10.3		0.5	

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
(SW-3)														
4/28/2020	XX	SWXX3XCCD	73	7.7	8.8					359	9.9		1.4	
7/21/2020	XX	SWXX3XCH6	94	7.2	23.1					373	3.4		0.9	
10/27/2020	XX	SWXX3XD2A	78	7.6	8.4					403	8.1		0.8	
4/6/2021	XX	SWXX3XDBC	52	7.7	7.4					374	8.9		1.2	19
7/13/2021	XX	SWXX3XDJ4	68	7.3	21.8					319	4.8		0.8	7.5
10/5/2021	XX	SWXX3XE5C	68	7.3	14					284	5.2		1.2	
4/26/2022	XX	SWXX3XF04	63	7.2	9.8					332	7.9		1.1	
7/19/2022	XX	SWXX3XF82	109	7.3	22.6					322	3.6		0.8	0.0067
10/4/2022	XX	SWXX3XFI3	89	7.9	9.5					333	5		0.9	
4/18/2023	XX	SWXX3XGHE	72	6.4	10.6					428	7.6		0.8	
7/11/2023	XX	SWXX3XH7G	75	6.6	23.2					455	3.3		1.5	0.0334
10/3/2023	XX	SWXX3X054	91	7.2	14.2					415	17.1		0.4	0.0045
4/2/2024	XX	SWXX3X11E	42	6.8	8.4					207	9.9		0.7	21
7/16/2024	XX	SWXX3X1CG	119	7	26					359	5.6		0.8	0.0223
10/8/2024	XX	SWXX3X1I7	102	7.9	14.3					348	8.6		0.8	0.0111
SW23-4														
1/24/2023	XX	SWXX4XGBH	A	A	A		A	A	A	A	A		A	
3/30/2023	XX	SWXX4XGH4	227	7.1	3.2					352	10.6		1.7	
4/19/2023	XX	GWXXXXH23	185	7.6	10					288	8.2		4.3	
6/19/2023	XX	SWXX4XH5I	91	6.6	13.5					176	5.2		6.5	
7/13/2023	XX	SWXX4X022	154	6.6	18.8					154	2.2		6.5	
10/4/2023	XX	GWXXXX095	112	6.9	17.1					173	5.2		7.3	
4/2/2024	XX	GWXXXX15C	119	7.9	6.7					105	9.9		18.3	
7/16/2024	XX	SWXX4X1H0	98	6.5	22.1					270	1.6		7.1	
10/9/2024	XX	SWXXXX225	100	6.6	10					204	6.4		7.3	
10/22/2024	XX	SWXXXX25B	124	6.8	10.7					274	5.9		8.8	
SW-DP1														
4/28/2015	XX	SWDP1X78D	109	7.3	10.2					368	11.8		2.1	
7/14/2015	XX	SWDP1X7C5	112	8.3	27					255	8.8		3.6	
10/27/2015	XX	SWDP1X7HE	69	8	8.6					313	10.8		0.8	
4/5/2016	XX	SWDP1X864	100	7.1	6.4					348	12.5		0.5	
7/26/2016	XX	SWDP1X8AE	123	7.9	29.3					263	5.9		2.3	
10/25/2016	XX	SWDP1X8ID	75	7.8	9.2					260	7.7		1.6	
4/18/2017	XX	SWDP1X96J	74	6.9	12.5					389	10.2		1.7	
7/25/2017	XX	SWDP1X9CH	142	7.4	24.9					274	7		0.8	
10/23/2017	XX	SWDP1X9GC	109	7.7	16.6					263	9.1		0.8	
4/3/2018	XX	SWDP1XA2B	34	7.3	1.9					457	9.1		2.6	
7/17/2018	XX	SWDP1XABC	91	8.2	23.1					418	6.7		2.7	
10/2/2018	XX	SWDP1XB0A	78	7.2	12					486	5.4		0.9	
4/23/2019	XX	SWDP1XB57	101	7.1	9					367	9.9		1.4	
7/16/2019	XX	SWDP1XBBJ	79	8.9	28.7					327	8.4		0.8	
10/29/2019	XX	SWDP1XBHC	106	6.9	10.6					241	9.5		1.2	
4/28/2020	XX	SWDP1XCCJ	439	7.8	9.5					356	12		1.7	
7/21/2020	XX	SWDP1XCHC	206	7.6	27					358	8.8		2.2	
10/27/2020	XX	SWDP1XD2G	148	7.7	7.5					261	8.3		0.8	
4/6/2021	XX	SWDP1XDBI	68	6.7	8.4					398	7.9		2.3	
7/13/2021	XX	SWDP1XDJA	78	6.5	23.9					323	5		1.2	
10/5/2021	XX	SWDP1XE5I	82	6.5	16.7					316	5.3		0.6	

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-DP1)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/26/2022	XX	SWDP1XF0A	123	7.1	10.8					343	7		0.6	
7/19/2022	XX	SWDP1XF88	176	6.7	27.5					312	2.9		2.7	0.0089
10/4/2022	XX	SWDP1XFI9	150	7.4	14.5					332	4.6		1.2	
4/18/2023	XX	SWDP1XGI0	47	6.3	12.5					388	7.3		0.9	
7/11/2023	XX	SWDP1XH82	84	7.6	26.6					405	6.6		0.7	
10/3/2023	XX	SWDP1X05A	82	7.2	18.5					324	11.1		1.8	
4/2/2024	XX	SWDP1X120	96	7.5	10.6					300	11.2		0.8	0.0067
7/16/2024	XX	SWDP1X1D2	130	6.8	27.9					367	4.1		0.6	
10/8/2024	XX	SWDP1X1ID	105	6.9	15.2					355	6		0.3	

SW-DP5

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/28/2015	XX	SWDP5X7A3	208	7.9	10.8					353	11.5		1.1	
7/14/2015	XX	SWDP5X7DF	153	7.7	27.6					218	6.4		4.3	
10/27/2015	XX	SWDP5X7J2	D	D	D					D	D		D	
4/5/2016	XX	SWDP5X87E	D	D	D					D	D		D	
7/26/2016	XX	SWDP5X8C4	D	D	D					D	D		D	
10/25/2016	XX	SWDP5X902	I	I	I					I	I		I	
4/18/2017	XX	SWDP5X989	D	D	D					D	D		D	
7/25/2017	XX	SWDP5X9E6	173	8.1	25.4					273	7.7		0.4	
10/24/2017	XX	SWDP5X9I1	D	D	D					D	D		D	
4/3/2018	XX	SWDP5XA41	51	6.9	8.7					459	15.2		2.1	
7/17/2018	XX	SWDP5XAD1	D	D	D					D	D		D	
10/2/2018	XX	SWDP5XB1J	D	D	D					D	D		D	
4/23/2019	XX	SWDP5XB6H	133	7.3	9.7					369	7.8		0.8	
7/16/2019	XX	SWDP5XBD8	102	8.3	28.3					307	6.8		0.8	
10/29/2019	XX	SWDP5XBJ0	107	7	9.3					239	10		1.8	
4/28/2020	XX	SWDP5XCE8	173	8.1	10.1					333	12.6		1.6	
7/21/2020	XX	SWDP5XCJ1	126	7.8	30.3					328	6.8		0.6	
10/27/2020	XX	SWDP5XD44	82	8.5	10.2					320	10.5		0.6	
4/6/2021	XX	SWDP5XDD7	69	6.9	10.7					387	9.3		2.1	
7/13/2021	XX	SWDP5XE0J	62	8.2	24.6					267	10.2		1.1	
10/5/2021	XX	SWDP5XE75	67	7.4	18.6					245	6		0.5	
4/26/2022	XX	SWDP5XF1H	195	7	11.1					333	7.6		1.2	
7/19/2022	XX	SWDP5XF9H	D	D	D					D	D		D	
10/4/2022	XX	SWDP5XFJG	D	D	D					D	D		D	

SW-DP6

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs
4/28/2015	XX	SWDP6X78E	96	6.9	10					392	10.4		1.3	
7/14/2015	XX	SWDP6X7C6	114	7.2	29.6					376	5.4		5.6	
10/27/2015	XX	SWDP6X7HF	68	8.4	9.8					327	10.4		1.1	
4/5/2016	XX	SWDP6X865	79	7.1	4.6					445	10		0.8	
7/26/2016	XX	SWDP6X8AF	135	7.5	28.7					254	5.4		2.7	
10/25/2016	XX	SWDP6X8IE	100	7.8	8.5					265	5.8		2.6	
4/18/2017	XX	SWDP6X970	59	6.6	11.2					364	6.7		1.1	
7/25/2017	XX	SWDP6X9CI	86	7.5	21.6					314	6.5		1.1	
10/23/2017	XX	SWDP6X9GD	101	7.2	17.2					219	7.5		1.6	
4/3/2018	XX	SWDP6XA2C	76	7.6	2.4					460	10.3		2.3	
7/17/2018	XX	SWDP6XABD	140	8	23.9					443	4.5		2.1	
10/2/2018	XX	SWDP6XB0B	136	7.8	11.6					478	6.2		0.8	
4/23/2019	XX	SWDP6XB58	78	6.7	8.1					368	11.7		1.1	

REPORT PREPARED: 4/14/2025 09:20
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 1/1/2025

DATA SUMMARY TABLE

Field Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-DP6)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs			
7/16/2019	XX	SWDP6XBC0	65	7.3	29.2					375	6.8		1.8				
10/29/2019	XX	SWDP6XBHD	50	6.2	10.3					246	10.3		2.2				
4/28/2020	XX	SWDP6XCD0	55	7.3	11.4					397	9.6		1.3				
7/21/2020	XX	SWDP6XCHD	71	8.4	27.1					294	5.9		0.8				
10/27/2020	XX	SWDP6XD2H	91	8.2	9.4					330	10.1		0.7				
4/6/2021	XX	SWDP6XDBJ	59	6.1	9.1					416	9.9		3.2				
7/13/2021	XX	SWDP6XDJB	38	6.2	25.4					404	5.2		0.7				
10/5/2021	XX	SWDP6XE5J	62	7.2	22.5					308	6.3		0.8				
4/26/2022	XX	SWDP6XF0B	36	7.3	11.6					288	8.2		1.5				
7/19/2022	XX	SWDP6XF89	44	6.4	28.9					348	3.9		2.1				
10/4/2022	XX	SWDP6XFIA	44	7.6	16.7					323	4.8		2.6				
4/18/2023	XX	SWDP6XGI1	55	6.3	11.9					394	8.5		1.2				
7/11/2023	XX	SWDP6XH83	465	8.1	26.9					416	7.1		1.2				
10/3/2023	XX	SWDP6X05B	160	7	26.3					345	6.7		2.7				
4/2/2024	XX	SWDP6X121	103	7.9	11.8					331	11.4		2.1	0.0006			
7/16/2024	XX	SWDP6X1D3	150	6.8	29.8					387	6.6		1.8				
10/9/2024	XX	SWDP6X1IE	D	D	D					D	D		D				

(SW-DP6) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs

Units Abbreviations:

µmhos/cm @25°C - MICROSIEMENS PER CENTIMETER
cfs - CUBIC FEET PER SECOND
Deg C - DEGREES CELCIUS (TEMPERATURE)
Feet - FEET
mg/L - MILLIGRAMS PER LITER
mV - MILLIVOLTS
NTU - NEPHELOMETRIC TURBIDITY UNIT (TURBIDITY)
STU - STANDARD PH UNIT

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

! - The sampling location was damaged or destroyed.
!1 - The sampling location was damaged or destroyed, and has been discontinued.
< - Less than specified amount
> - Greater than specified amount.
A - The sampling location was inaccessible.
D - The sampling location was dry.
D3 - Sample too dark to take reading.
DE - Decommissioned Location
F - The sampling location was frozen.
F1 - Well was flowing
F12 - Pipe under water, no sample taken.
F14 - Unable to measure flow.
F16 - Could not pump water to surface for testing/sampling
F6 - No flow. Sample not taken.
FI - Frozen ice in pipe, no readings.
H11 - Could not locate pipe.
H2 - Water level higher than pipes. See LF-COMP for readings
H5 - Waterlevel higher than pipes. See LP-COMP for readings
H6 - Pipe under water, could not measure flow.
H8 - No flow from pipe. See LF-COMP for readings
H9 - No flow from pipe. See LP-COMP for readings
I - The sampling location yielded insufficient quantity to collect a sample.

(SW-DP6)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Elevation Feet	Water Level Depth Feet	Well Depth Feet	Water Level Reference Point Feet	Eh mV	Dissolved Oxygen mg/L	Alkalinity (CaCO3) (field) mg/L	Turbidity (field) NTU	Flow Rate cfs

L - Could not locate sampling location.
P2 - Unable to obtain sample due to well pump being out of service.
Q - An obstruction prevented the collection of data.
TK - Outside of range of available test kits (or below test kit range).
U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 1/7/2025 14:37
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Inorganics Parameters

SME SEVEE & MAHER ENGINEERS

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-LD-11)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
LF-LD-11																
7/13/2021	XX	LFXXXXE1C	0.38	0.5 U	0.71		494	2.5 U	34	0.1 U		430	2.2		1 U	0.1 U
10/5/2021	XX	LFXXXXE88	0.56	0.5 U	0.55		541	2.5 U	42	0.1 U		450	2 U		1 U	0.1 U
7/19/2022	XX	LFXXXXFA9	0.68	0.5 U	0.31		597	2.5 U	72	0.1 U		470	2		3.2	0.1 U
7/11/2023	XX	LFXXXX005	0.2 U	0.5 U	1.3		562	2.5 U	45	0.1 U		460	2.3		2.9	0.1 U
7/16/2024	XX	LFXXXX1F4		0.5 U	1.2		567	8.3	45	0.1 U		460	2.4		1 U	0.1 U
LF-LD-12																
7/13/2021	XX	LFXXXXE1D	0.31	0.5 U	0.05 U		240	6.7	31	0.1 U		160	2.4		1.5	0.1 U
10/5/2021	XX	LFXXXXE89	0.25	0.5 U	0.063		397	2.5 U	48	0.1 U		290	3.8		1 U	0.1 U
7/19/2022	XX	LFXXXXFAA	0.4	0.5 U	0.05 U		343	2.5 U	41	0.1 U		260	3.6		2.2	0.1 U
7/11/2023	XX	LFXXXX006	0.2 U	0.5 U	0.1		302	2.5 U	20	0.1 U		230	3.2		1 U	0.1 U
7/16/2024	XX	LFXXXX1F5		0.5 U	0.05 U		566	8.3 U	120	0.1 U		300	6.5		37	0.57
LF-LD-13																
7/19/2022	XX	LFXXXXFB4	0.29	0.5 U	0.07		207	2.5 U	28	0.1 U		130	2.7		1.7	0.1
7/11/2023	XX	LFXXXX010	0.2 U	0.5 U	0.066		265	2.5 U	29	0.1 U		190	3.3		2.2	0.15
7/16/2024	XX	LFXXXX1FJ		0.5 U	0.05 U		333	8.3 U	51	0.1 U		210	4.1		12	0.32
LF-LD-14																
7/11/2023	XX	LFXXXX01G	0.2 U	0.5 U	0.088		368	2.5 U	19	0.1 U		310	3.6		2.2	0.1
7/16/2024	XX	LFXXXX1GE		0.5 U	0.05 U		474	8.3 U	24	0.1 U		410	3.9		1.1	0.11
LF-LD-15																
7/16/2024	XX	LFXXXX1H2		0.5 U	0.05 U		565	8.3 U	13	0.1 U		510	1.5		1 U	0.1 U
10/8/2024	XX	LFXXXX227		0.5 U	0.05 U		536	8.3 U	16	0.1 U		500	1.4		3.6	0.1 U
LF-UD-1																
4/28/2015	XX	LFUD1X792			0.5 U	0.08	260	49	22.4		145		2 U		24.8	0.2
7/14/2015	XX	LFUD1X7CE			2 U	0.04 U	257	4 U	6.6		179		2 U		16.7	0.1 U
10/27/2015	XX	LFUD1X7I3			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/5/2016	XX	LFUD1X86D			0.07	0.04	242	4	12.7		152		2 U		26	0.1 U
7/26/2016	XX	LFUD1X8B3			I	I	I	I	I		I		I		I	I
10/25/2016	XX	LFUD1X8J2			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2017	XX	LFUD1X978			0.19	0.1	243	56	7.3		170		2 U		21	0.2 U
7/25/2017	XX	LFUD1X9D6			0.22	0.04 U	290	15	24		170		2 U		24	0.2 U
10/25/2017	XX	LFUD1X9H1			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/3/2018	XX	LFUD1XA30			0.23	0.04 U	246	5	35		170		2 U		18	0.21
7/17/2018	XX	LFUD1XAC1			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/2/2018	XX	LFUD1XB0J			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/23/2019	XX	LFUD1XB5G			0.4	0.04 U	214	2.5 U	13		170		2 U		2.2	0.1 U
7/16/2019	XX	LFUD1XBC8			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/29/2019	XX	LFUD1XBI1			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/28/2020	XX	LFUD1XCD8			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/21/2020	XX	LFUD1XCI1			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2020	XX	LFUD1XD35			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LFUD1XDC7			H8	H8	H8	H8	H8		H8		H8		H8	H8
7/13/2021	XX	LFUD1XDJJ			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/5/2021	XX	LFUD1XE67			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/26/2022	XX	LFUD1XF0J			F6	F6	F6	F6	F6		F6		F6		F6	F6

REPORT PREPARED: 1/7/2025 14:37
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Inorganics Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-1)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
7/19/2022	XX	LFUD1XF8H			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LFUD1XFII			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2023	XX	LFUD1XGI9			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFUD1XH8B			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/3/2023	XX	LFUD1X05J			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/2/2024	XX	LFUD1X129			D	D	D	D	D		D		D		D	D
7/16/2024	XX	LFUD1X1DB			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/8/2024	XX	LFUD1X1J2			F6	F6	F6	F6	F6		F6		F6		F6	F6

LF-UD-2

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/28/2015	XX	LFUD2X793			0.5 U	0.04 U	257	4	26		139		2 U		24.4	0.2
7/14/2015	XX	LFUD2X7CF			2 U	0.04 U	254	4 U	6.1		177		2 U		19.7	0.17
10/27/2015	XX	LFUD2X7I4			0.5 U	0.04 U	264	4 U	7.5		193		2 U		20.3	0.1 U
4/5/2016	XX	LFUD2X86E			0.06	0.04 U	246	4 U	11.4		134		2 U		41.2	0.1 U
7/26/2016	XX	LFUD2X8B4			0.05 U	0.04	283	24	22.1		170		2 U		22.7	0.2
10/25/2016	XX	LFUD2X8J3			0.27	0.04 U	294	4 U	21.6		203		2 U		12.8	0.2 U
4/18/2017	XX	LFUD2X979			0.22	0.05	262	15	18		160		2 U		29	0.2 U
7/25/2017	XX	LFUD2X9D7			0.13	0.04 U	273	8	4.6		170		2 U		32	0.2 U
10/25/2017	XX	LFUD2X9H2			0.22	0.07	291	29	9		200		2 U		13	0.14
4/3/2018	XX	LFUD2XA31			0.28	0.04 U	267	2.5 U	56		160		2 U		17	0.18
7/17/2018	XX	LFUD2XAC2			0.24	0.04	290	17	12		210		6.3		24	0.19
10/2/2018	XX	LFUD2XB10			0.28	0.04 U	285	5	16		220		2 U		7.8	0.1 U
4/23/2019	XX	LFUD2XB5H			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/16/2019	XX	LFUD2XBC9			0.26	0.07	262	2.7	12		200		2 U		15	0.11
10/29/2019	XX	LFUD2XBI2			0.22	0.04	222	83	11		180		2 U		11	0.12
4/28/2020	XX	LFUD2XCD9			0.32	0.04 U	243	16	11		200		2 U		10	0.11
7/21/2020	XX	LFUD2XCI2			0.23	0.2	307	370	13		230		2 U		6.9	0.1
10/27/2020	XX	LFUD2XD36			0.2	0.04 U	276	2.5 U	14		230		43 M10		3	0.1 U
4/6/2021	XX	LFUD2XDC8			H8	H8	H8	H8	H8		H8		H8		H8	H8
7/13/2021	XX	LFUD2XE00			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/5/2021	XX	LFUD2XE68			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/26/2022	XX	LFUD2XF10			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/19/2022	XX	LFUD2XF8I			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LFUD2XFIJ			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2023	XX	LFUD2XGIA			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFUD2XH8C			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/3/2023	XX	LFUD2X060			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/2/2024	XX	LFUD2X12A			D	D	D	D	D		D		D		D	D
7/16/2024	XX	LFUD2X1DC			D	D	D	D	D		D		D		D	D
10/8/2024	XX	LFUD2X1J3			F6	F6	F6	F6	F6		F6		F6		F6	F6

LF-UD-3A,B

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/28/2015	XX	LFXXXX79G			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/14/2015	XX	LFXXXX7D8			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2015	XX	LFXXXX7IF			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/5/2016	XX	LFXXXX877			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/26/2016	XX	LFXXXX8BH			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/25/2016	XX	LFXXXX8JF			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2017	XX	LFXXXX982			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/25/2017	XX	LFXXXX9DJ			F6	F6	F6	F6	F6		F6		F6		F6	F6

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-3A,B)

Date	Type	Sample ID	Total Kjeldahl Nitrogen	Ammonia (N)	Nitrite/Nitrate - (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Sulfide	Bicarbonate Alkalinity (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Biochemical Oxygen Demand	Chloride	Bromide
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
10/25/2017	XX	LFXXXX9HE			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/3/2018	XX	LFXXXXA3E			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/17/2018	XX	LFXXXXACE			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/2/2018	XX	LFXXXXB1C			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/23/2019	XX	LFXXXXB6A			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/16/2019	XX	LFXXXXBD1			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/29/2019	XX	LFXXXXBID			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/28/2020	XX	LFXXXXCE1			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/21/2020	XX	LFXXXXCIE			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2020	XX	LFXXXXD3H			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LFXXXXDD0			H8	H8	H8	H8	H8		H8		H8		H8	H8
7/13/2021	XX	LFXXXXE0C			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/5/2021	XX	LFXXXXE6J			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/26/2022	XX	LFXXXXF1B			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/19/2022	XX	LFXXXXF9A			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LFXXXXFJA			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2023	XX	LFXXXXGJ1			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFXXXXH94			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/3/2023	XX	LFXXXX06A			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/2/2024	XX	LFXXXX12J			D	D	D	D	D		D		D		D	D
7/16/2024	XX	LFXXXX1E3			D	D	D	D	D		D		D		D	D
10/8/2024	XX	LFXXXX1JC			F6	F6	F6	F6	F6		F6		F6		F6	F6
LF-UD-4																
4/28/2015	XX	LFXXXX79H			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/14/2015	XX	LFXXXX7D9			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2015	XX	LFXXXX7IG			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/5/2016	XX	LFXXXX878			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/26/2016	XX	LFXXXX8BI			0.13	0.04	281	36	20.9		177		2 U		20.9	0.2
10/25/2016	XX	LFXXXX8JG			0.25	0.04 U	298	4 U	24.9		202		2 U		12.5	0.2 U
4/18/2017	XX	LFXXXX983			0.14	0.04 U	247	110	8.9		170		2.6		2.4	0.2 U
7/25/2017	XX	LFXXXX9E0			0.18	0.04 U	279	10	24		170		2 U		24	0.2 U
10/25/2017	XX	LFXXXX9HF			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/3/2018	XX	LFXXXXA3F			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/17/2018	XX	LFXXXXACF			0.23	0.04 U	291	5.3	8.6		210		2 U		23	0.18
10/2/2018	XX	LFXXXXB1D			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/23/2019	XX	LFXXXXB6B			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/16/2019	XX	LFXXXXBD2			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/29/2019	XX	LFXXXXBIE			0.22	0.18	235	210	11		180		2 U		12	0.13
4/28/2020	XX	LFXXXXCE2			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/21/2020	XX	LFXXXXCIF			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2020	XX	LFXXXXD3I			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LFXXXXDD1			H8	H8	H8	H8	H8		H8		H8		H8	H8
7/13/2021	XX	LFXXXXE0D			0.28	0.05	245	11	27		190		2 U		1.3	0.1 U
10/5/2021	XX	LFXXXXE70			0.26	0.04	246	2.5 U	11		200		2 U		1.3	0.1 U
4/26/2022	XX	LFXXXXF1C			0.41	0.08	227	25	9.9		190		1 U		1.9	0.1 U
7/19/2022	XX	LFXXXXF9B			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LFXXXXFJB			0.42	0.06	240	27	11		200		1 U		1 U	0.1 U
4/18/2023	XX	LFXXXXGJ2			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFXXXXH95			F6	F6	F6	F6	F6		F6		F6		F6	F6

DATA SUMMARY TABLE

Inorganics Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-4) Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/3/2023	XX	LFXXXX06B			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/2/2024	XX	LFXXXX130			D	D	D	D	D		D		D		D	D
7/16/2024	XX	LFXXXX1E4			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/8/2024	XX	LFXXXX1JD			F6	F6	F6	F6	F6		F6		F6		F6	F6
LF-UD-5and6																
4/28/2015	XX	LFXXXX79I			0.5 U	0.04 U	250	4 U	12.4		197		2 U		3.3	0.1 U
7/14/2015	XX	LFXXXX7DA			I	I	I	I	I		I		I		I	I
10/27/2015	XX	LFXXXX7IH			0.5 U	0.04 U	235	6	11.1		184		2		3.8	0.1 U
4/5/2016	XX	LFXXXX879			0.05	0.04 U	247	4 U	12.5		191		2 U		2.9	0.1 U
7/26/2016	XX	LFXXXX8BJ			0.05 U	0.04 U	230	4 U	26.9		186		2 U		2.7	0.2 U
10/25/2016	XX	LFXXXX8JH			0.2	0.04 U	215	4 U	9.8		167		2 U		2.1	0.2 U
4/18/2017	XX	LFXXXX984			0.07	0.04 U	201	2.5 U	18		160		2 U		2.2	0.2 U
7/25/2017	XX	LFXXXX9E1			0.21	0.04	243	4.7	11		200		2 U		2.8	0.2 U
10/25/2017	XX	LFXXXX9HG			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/3/2018	XX	LFXXXXA3G			0.14	0.04 U	192	2.5 U	39		150		2 U		1.7	0.13
7/17/2018	XX	LFXXXXACG			0.14	0.04 U	220	2.5 U	10		180		2 U		2.7	0.12
10/2/2018	XX	LFXXXXB1E			0.21	0.04 U	228	5	14		180		2 U		2.4	0.1 U
4/23/2019	XX	LFXXXXB6C			0.14	0.04 U	192	2.5 U	9.7		150		2 U		1.5	0.1
7/16/2019	XX	LFXXXXBD3			0.12	0.04 U	211	2.5 U	9.2		170		2 U		2	0.1 U
10/29/2019	XX	LFXXXXBIF			0.14	0.08	199	69	9.9		160		2 U		2.1	0.15
4/28/2020	XX	LFXXXXCE3			0.2	0.04 U	185	2.5 U	11		150		2 U		2.3	0.17
7/21/2020	XX	LFXXXXCIG			0.23	0.04 U	214	2.5 U	11		180		2 U		2.5	0.18
10/27/2020	XX	LFXXXXD3J			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LFXXXXDD2			0.15	0.04 U	187	2.5 U	11		160		2 U		2.1	0.14
7/13/2021	XX	LFXXXXE0E			0.13	0.04 U	228	3.7	12		190		2 U		2.6	0.1 U
10/5/2021	XX	LFXXXXE71			0.17	0.04 U	215	2.5 U	12		170		2 U		2.3	0.1
4/26/2022	XX	LFXXXXF1D			0.13	0.04 U	202	5	10		160		1 U		2.5	0.12
7/19/2022	XX	LFXXXXF9C			0.1	0.04 U	241	2.5 U	10		190		1 U		2.9	0.15
10/4/2022	XX	LFXXXXFJC			0.21	0.07	200	16	8.4		170		1 U		2.1	0.11
4/18/2023	XX	LFXXXXGJ3			0.16	0.04 U	183	16	8.9		150		1 U		3.2	0.1 U
7/11/2023	XX	LFXXXXH96			0.21	0.04 U	194	8.5	8.3		150		1 U		2.9	0.11
10/3/2023	XX	LFXXXX06C			0.16	0.04 U	187	2.5 U	8.3		160		1 U		2.8	0.17
4/2/2024	XX	LFXXXX131			0.21	0.04 U	172	8.3 U	8.6		140		1.4		3.7	0.14
7/16/2024	XX	LFXXXX1E5			0.1	0.04 U	188	8.3 U	9.4		150		1 U		3.7	0.13
10/8/2024	XX	LFXXXX1JE			F6	F6	F6	F6	F6		F6		F6		F6	F6
LF-UD-6																
4/28/2015	XX	LFUD6X7A0			5.6	0.14	530	4 U	96.5		315		2.8		11.2	0.1 U
7/14/2015	XX	LFUD6X7DC			2 U	0.06	523	4 U	99.9		344		2.8		11.1	0.1 U
10/27/2015	XX	LFUD6X7IJ			1.5	0.09	544	4 U	96.3		337		2.7		12.8	0.1 U
4/5/2016	XX	LFUD6X87B			12	0.27	562	4 U	92.8		293		2.5		12.7	0.1 U
7/26/2016	XX	LFUD6X8C1			D	D	D	D	D		D		D		D	D
10/25/2016	XX	LFUD6X8JJ			I	I	I	I	I		I		I		I	I
4/18/2017	XX	LFUD6X986			2.5	0.12	289	41	7.5		230		2.4		7.5	0.2 U
7/25/2017	XX	LFUD6X9E3			I	I	I	I	I		I		I		I	I
10/25/2017	XX	LFUD6X9HI			5.8	0.16	280	2.5 U	7.3		180		2		1 U	0.1 U
4/3/2018	XX	LFUD6XA3I			5.6	0.12	193	2.5 U	42		130		2.7		1 U	0.1 U
7/17/2018	XX	LFUD6XACI			1.4	0.09	190	2.5 U	10 U		160		2 U		5 U	0.5 U
10/2/2018	XX	LFUD6XB1G			3.5	0.12	172	2.5 U	2 U		120		2 U		1 U	0.1 U

DATA SUMMARY TABLE

Inorganics Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-6)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/23/2019	XX	LFUD6XB6E			27	0.09	309	2.5 U	6.5		84		2 U		1.2	0.1 U
7/16/2019	XX	LFUD6XBD5			9.1	0.13	149	8.7	3.3		49		2 U		1 U	0.1 U
10/29/2019	XX	LFUD6XBIH			20	0.65	186	150	4.6		4.9		2.8		1.9	0.1 U
4/28/2020	XX	LFUD6XCE5			60	0.2	438	2.5 U	12		1.5 U		2 U		2 U	0.2 U
7/21/2020	XX	LFUD6XCII			D	D	D	D	D		D		D		D	D
10/27/2020	XX	LFUD6XD41			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LFUD6XDD4			130	4.6	1255	30	75		1.5 U		5		18	0.1 U
7/13/2021	XX	LFUD6XE0G			I	I	I	I	I		I		I		I	I
10/5/2021	XX	LFUD6XE72			20	5.7	353	2.5 U	11		1.5 U		2 U		14	0.1 U
4/26/2022	XX	LFUD6XF1E			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/19/2022	XX	LFUD6XF9E			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LFUD6XFJD			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2023	XX	LFUD6XGJ4			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFUD6XH98			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/3/2023	XX	LFUD6X06D			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/16/2024	XX	LFUD6X1E7			D	D	D	D	D		D		D		D	D
10/8/2024	XX	LFUD6X1JF			D	D	D	D	D		D		D		D	D

LF-UD-7

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/28/2015	XX	LFUD7X7A1			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/14/2015	XX	LFUD7X7DD			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2015	XX	LFUD7X7J0			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/5/2016	XX	LFUD7X87C			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/26/2016	XX	LFUD7X8C2			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/25/2016	XX	LFUD7X900			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2017	XX	LFUD7X987			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/25/2017	XX	LFUD7X9E4			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/25/2017	XX	LFUD7X9HJ			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/3/2018	XX	LFUD7XA3J			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/17/2018	XX	LFUD7XACJ			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/2/2018	XX	LFUD7XB1H			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/23/2019	XX	LFUD7XB6F			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/16/2019	XX	LFUD7XBD6			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/29/2019	XX	LFUD7XBII			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/28/2020	XX	LFUD7XCE6			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/21/2020	XX	LFUD7XCIJ			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2020	XX	LFUD7XD42			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LFUD7XDD5			H8	H8	H8	H8	H8		H8		H8		H8	H8
7/13/2021	XX	LFUD7XE0H			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/5/2021	XX	LFUD7XE73			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/26/2022	XX	LFUD7XF1F			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/19/2022	XX	LFUD7XF9F			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LFUD7XFJE			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2023	XX	LFUD7XGJ5			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFUD7XH99			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/3/2023	XX	LFUD7X06E			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/2/2024	XX	LFUD7X133			D	D	D	D	D		D		D		D	D
7/16/2024	XX	LFUD7X1E8			D	D	D	D	D		D		D		D	D
10/8/2024	XX	LFUD7X1JG			F6	F6	F6	F6	F6		F6		F6		F6	F6

DATA SUMMARY TABLE

Inorganics Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-8)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
LF-UD-8																
4/28/2015	XX	LFUD8X7A2			0.5 U	0.08	74	9	17		21		3.6		7.3	0.1 U
7/14/2015	XX	LFUD8X7DE			I	I	I	I	I		I		I		I	I
10/27/2015	XX	LFUD8X7J1			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/5/2016	XX	LFUD8X87D			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/26/2016	XX	LFUD8X8C3			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/25/2016	XX	LFUD8X901			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2017	XX	LFUD8X988			0.05 U	0.04	55	6	49		9.4		3.7		14	0.2 U
7/25/2017	XX	LFUD8X9E5			D	D	D	D	D		D		D		D	D
10/25/2017	XX	LFUD8X9I0			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/3/2018	XX	LFUD8XA40			0.11	0.04	71	43	11		15		2.5		3.8	0.1 U
7/17/2018	XX	LFUD8XAD0			D	D	D	D	D		D		D		D	D
10/2/2018	XX	LFUD8XB1I			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/23/2019	XX	LFUD8XB6G			0.058	0.1	70	11	14		14		4.7		7.1	0.1 U
7/16/2019	XX	LFUD8XBD7			0.05 U	0.04 U	53	5.5	8.7		14		6.3		4.7	0.1 U
10/29/2019	XX	LFUD8XBIJ			0.062	0.04	42	6.7	13		6		4.8		2	0.1 U
4/28/2020	XX	LFUD8XCE7			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/21/2020	XX	LFUD8XCJ0			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2020	XX	LFUD8XD43			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LFUD8XDD6			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/13/2021	XX	LFUD8XE0I			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/5/2021	XX	LFUD8XE74			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/26/2022	XX	LFUD8XF1G			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/19/2022	XX	LFUD8XF9G			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LFUD8XFJF			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2023	XX	LFUD8XGJ6			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFUD8XH9A			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/3/2023	XX	LFUD8X06F			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/2/2024	XX	LFUD8X134			D	D	D	D	D		D		D		D	D
7/16/2024	XX	LFUD8X1E9			D	D	D	D	D		D		D		D	D
10/8/2024	XX	LFUD8X1JH			D	D	D	D	D		D		D		D	D
LF-UD-9																
4/5/2016	XX	LFUD9X881			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/26/2016	XX	LFUD9X8CA			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/25/2016	XX	LFUD9X905			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2017	XX	LFUD9X98F			0.88	0.08	224	57	11		90		2.7		5.1	0.2 U
10/25/2017	XX	LFUD9X9I4			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/3/2018	XX	LFUD9XA47			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/17/2018	XX	LFUD9XAD4			D	D	D	D	D		D		D		D	D
10/2/2018	XX	LFUD9XB22			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/23/2019	XX	LFUD9XB73			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/16/2019	XX	LFUD9XBDD			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/29/2019	XX	LFUD9XBJ3			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/28/2020	XX	LFUD9XCED			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/21/2020	XX	LFUD9XCJ6			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2020	XX	LFUD9XD47			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LFUD9XDDA			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/13/2021	XX	LFUD9XE11			F6	F6	F6	F6	F6		F6		F6		F6	F6

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
(LF-UD-9)																
10/5/2021	XX	LFUD9XE78			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/26/2022	XX	LFUD9XF1J			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/19/2022	XX	LFUD9XF9J			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LFUD9XFJI			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2023	XX	LFUD9XGJ9			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFUD9XH9D			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/3/2023	XX	LFUD9X06H			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/2/2024	XX	LFUD9X136			D	D	D	D	D		D		D		D	D
7/16/2024	XX	LFUD9X1EB			D	D	D	D	D		D		D		D	D
10/8/2024	XX	LFUD9X1JJ			D	D	D	D	D		D		D		D	D
LF-UD-10																
10/25/2017	XX	LFXXXX9ID			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/3/2018	XX	LFXXXXA48			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/17/2018	XX	LFU10XAD6			D	D	D	D	D		D		D		D	D
10/3/2018	XX	LFXXXXB27			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/23/2019	XX	LFXXXXB74			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/16/2019	XX	LFXXXXBDE			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/29/2019	XX	LFXXXXBJ7			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/28/2020	XX	LFXXXXCEE			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/21/2020	XX	LFXXXXCJ7			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2020	XX	LFXXXXD4B			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LFXXXXDDB			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/13/2021	XX	LFXXXXE12			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/5/2021	XX	LFXXXXE7C			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/26/2022	XX	LFXXXXF23			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/19/2022	XX	LFXXXXFA0			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LFXXXXG02			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2023	XX	LFXXXXGJD			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFXXXXH9E			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/3/2023	XX	LFXXXX06I			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/2/2024	XX	LFXXXX137			D	D	D	D	D		D		D		D	D
7/16/2024	XX	LFXXXX1EC			D	D	D	D	D		D		D		D	D
10/8/2024	XX	LFXXXX200			D	D	D	D	D		D		D		D	D
LF-UD-12+13+14																
4/6/2021	XX	LFX12XDFB			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LFXXXX01F	0.2 U	0.5 U	0.49		111	63	6.5	0.1 U		50	1.5		5.3	0.1 U
10/3/2023	XX	LFXXXX0A2			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/16/2024	XX	LFXXXX1GD		D	D		D	D	D	D		D	D		D	D
LP-UD-1																
4/28/2015	XX	LPUD1X794			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/14/2015	XX	LPUD1X7CG			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/26/2015	XX	LPUD1X7I5			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/5/2016	XX	LPUD1X86F			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/26/2016	XX	LPUD1X8B5			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/25/2016	XX	LPUD1X8J4			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2017	XX	LPUD1X97A			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/25/2017	XX	LPUD1X9D8			F6	F6	F6	F6	F6		F6		F6		F6	F6

(LP-UD-1)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/25/2017	XX	LPUD1X9H3			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/3/2018	XX	LPUD1XA32			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/17/2018	XX	LPUD1XAC3			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/2/2018	XX	LPUD1XB11			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/23/2019	XX	LPUD1XB5I			0.31	0.04 U	163	2.5 U	23		120		2 U		3.1	0.1 U
7/16/2019	XX	LPUD1XBCA			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/29/2019	XX	LPUD1XBI3			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/28/2020	XX	LPUD1XCDA			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/22/2020	XX	LPUD1XCI3			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/27/2020	XX	LPUD1XD37			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/6/2021	XX	LPUD1XDC9			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/13/2021	XX	LPUD1XE01			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/5/2021	XX	LPUD1XE69			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/26/2022	XX	LPUD1XF11			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/19/2022	XX	LPUD1XF8J			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/4/2022	XX	LPUD1XFJ0			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/18/2023	XX	LPUD1XGIB			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/11/2023	XX	LPUD1XH8D			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/3/2023	XX	LPUD1X061			F6	F6	F6	F6	F6		F6		F6		F6	F6
4/2/2024	XX	LPUD1X12B			F6	F6	F6	F6	F6		F6		F6		F6	F6
7/16/2024	XX	LPUD1X1DD			F6	F6	F6	F6	F6		F6		F6		F6	F6
10/8/2024	XX	LPUD1X1J4			F6	F6	F6	F6	F6		F6		F6		F6	F6

LP-UD-2

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/28/2015	XX	LPUD2X795			0.5 U	0.04 U	182	4 U	9.2		137		2 U		5.9	0.1 U
7/14/2015	XX	LPUD2X7CH			2 U	0.04 U	202	4 U	10.4		145		2 U		4.9	0.1 U
10/27/2015	XX	LPUD2X7I6			0.5 U	0.04 U	184	4 U	8.9		142		2 U		6.8	0.1 U
4/5/2016	XX	LPUD2X86G			0.1	0.04 U	177	4 U	9.9		137		2 U		5.7	0.1 U
7/26/2016	XX	LPUD2X8B6			0.13	0.04 U	218	4 U	8.6		163		2 U		5	0.2 U
10/25/2016	XX	LPUD2X8J5			0.14	0.04 U	294	4	10.7		229		2 U		5.4	0.2 U
4/18/2017	XX	LPUD2X97B			0.14	0.04 U	248	2.5 U	2 U		220		2 U		9.1	0.2 U
7/25/2017	XX	LPUD2X9D9			0.2	0.04 U	199	2.5 U	9.3		150		2 U		4.7	0.2 U
10/25/2017	XX	LPUD2X9H4			0.23	0.04 U	196	2.5 U	8.8		130		2 U		4	0.1 U
4/3/2018	XX	LPUD2XA33			0.3	0.04 U	156	2.5 U	2.1		120		2 U		3.6	0.1 U
7/17/2018	XX	LPUD2XAC4			0.27	0.04 U	184	2.5 U	8.8		140		2 U		4.3	0.1 U
10/2/2018	XX	LPUD2XB12			0.21	0.04 U	191	2.5 U	8.3		140		2 U		3.7	0.1 U
4/23/2019	XX	LPUD2XB5J			0.3	0.04 U	154	2.5 U	8.9		120		2 U		3.1	0.1 U
7/16/2019	XX	LPUD2XBCB			0.22	0.04 U	159	2.5 U	9.5		130		2 U		4	0.1 U
10/29/2019	XX	LPUD2XBI4			0.23	0.04 U	165	2.5 U	9.3		130		2 U		3	0.1 U
4/28/2020	XX	LPUD2XCDB			0.38	0.04 U	170	2.5 U	9.6		140		2 U		3.4	0.1 U
7/21/2020	XX	LPUD2XCI4			0.085	0.04 U	204	41	9.8		150		2 U		4.2	0.13
10/27/2020	XX	LPUD2XD38			0.24	0.17	199	36	8.1		150		27 M10		8.4	0.12
4/6/2021	XX	LPUD2XDCA			0.37	0.04 U	179	6.5	9.3		140		2 U		6.2	0.11
7/13/2021	XX	LPUD2XE02			0.36	0.04 U	203	2.5 U	9.9		150		2 U		5.2	0.1 U
10/5/2021	XX	LPUD2XE6A			0.34	0.04 U	187	4.7	9.6		140		2 U		4.3	0.1 U
4/26/2022	XX	LPUD2XF12			0.3	0.04 U	185	2.5 U	8.1		140		1 U		2.9	0.1 U
7/19/2022	XX	LPUD2XF90			0.25	0.04 U	215	2.5	9.4		170		1 U		3.1	0.1 U
10/4/2022	XX	LPUD2XFJ1			0.41	0.04 U	180	4 U	7.5		150		1 U		2.5	0.1 U
4/18/2023	XX	LPUD2XGIC			0.56	0.08	173	85	8		150		1		2.8	0.1 U
7/11/2023	XX	LPUD2XH8E			0.35	0.35	194	13	8.2		150		1 U		2.1	0.1 U

SEVEE & MAHER ENGINEERS, INC.
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Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
(LP-UD-2)																
10/3/2023	XX	LPUD2X062			0.27	0.04 U	185	2.5 U	8		150		1 U		2.1	0.1
4/2/2024	XX	LPUD2X12C			0.3	0.08	155	32	6.6		130		1.1		2.4	0.1 U
7/16/2024	XX	LPUD2X1DE			0.24	0.2	192	56	7.7		150		2.7		2.2	0.1 U
10/8/2024	XX	LPUD2X1J5			0.27	0.04 U	193	20	7.1		160		1 U		2.9	0.1 U
MW-04-09A																
2/26/2020	XX	GWX09AC56	0.25 U	0.5 U	0.05 U		203	59	2 U	0.1 U		84	3		5	0.1 U
4/30/2020	XX	GWX09ACC1	0.25 U	0.5 U	0.05 U		240	93	63	0.1 U		88	4.4		4.1	0.1 U
6/23/2020	XX	GWX09ACGC	0.25 U	0.5 U	0.05 U		243	12	82	0.17		90	4.9		5.7	0.1 U
8/20/2020	XX	GWX09AD1J	0.25 U	0.5 U	0.05 U		272	11	96	1.1		92	7.1		5.7	0.1 U
7/15/2021	XX	GWXXXXE20	0.25 U	0.5 U	0.05 U		238	3.3	80	0.1 U		100	4.2		5.9	0.1 U
10/7/2021	XX	GWX09AE86	0.2 U	0.5 U	0.05 U		240	27	72	0.1 U		97	3		5.3	0.1 U
4/27/2022	XX	GWX09AF2C	0.2 U	0.5 U	0.051		223	5.3	62	0.1 U		99	3.7		4.4	0.1 U
7/20/2022	XX	GWXXXXFAF	0.2 U	0.5 U	0.05 U		223	2.5 U	65	0.1 U		95	3.2		4.8	0.1 U
10/5/2022	XX	GWX09AG0B	0.53	0.5 U	0.14		150	4 U	54	0.1 U		95	1.6		4.3	0.1 U
4/19/2023	XX	GWX09AH02	0.2 U	0.5 U	0.05 U		204	47	51	0.1 U		95	4.4		4.3	0.1 U
7/12/2023	XX	GWXXXX00B	0.2 U	0.5 U	0.057		187	6	47	0.1 U		95	1.4		4.1	0.1 U
10/4/2023	XX	GWX09A077	0.2 U	0.5 U	0.05 U		192	29	45	0.1 U		95	1.1		4.2	0.1 U
4/10/2024	XX	GWX09A13G	0.2 U	0.5 U	0.05 U		178	8.3 U	42	0.1 U		91	4.3		4.4	0.1 U
7/17/2024	XX	GWXXXX1FA	0.2 U	0.5 U	0.05 U		172	8.3 U	39	0.1 U		92	3		4.2	0.1 U
10/9/2024	XX	GWX09A209	0.2 U	0.5 U	0.05 U		174	8.3 U	38	0.1 U		92	3		3.9	0.1 U
MW-04-09B																
2/26/2020	XX	GWX09BC57	0.25 U	0.5 U	0.078		103	2.5	2 U	0.1 U		52	2 U		3.3	0.1 U
4/30/2020	XX	GWX09BCC2	0.25 U	0.5 U	0.05 U		83	4.3	7.3	0.1 U		41	2 U		2.8	0.1 U
6/23/2020	XX	GWX09BCGD	0.25 U	0.5 U	0.066		84	3	6.2	0.1 U		41	2 U		3.3	0.1 U
8/20/2020	XX	GWX09BD20	0.28	0.5 U	0.056		81	2.5 U	5.8	0.1 U		47	2 U		3.4	0.1 U
7/15/2021	XX	GWXXXXE21	0.25 U	0.5 U	0.08		87	3	4.5	0.1 U		44	2 U		4	0.1 U
10/7/2021	XD	GWDP5XE8E	0.6	0.5 U	0.05 U		91	2.5 U	3.4	0.1 U		44	2 U		3.8	0.1 U
10/7/2021	XX	GWX09BE87	0.2 U	0.5 U	0.063		90	2.5 U	4	0.1 U		45	2 U		3.9	0.1 U
4/27/2022	XD	GWDP5XF30	0.2 U	0.5 U	0.072		82	2.5 U	3.9	0.1 U		43	1 U		4.3	0.1 U
4/27/2022	XX	GWX09BF2D	0.2 U	0.5 U	0.068		82	2.5 U	3.7	0.1 U		39	1 U		4.3	0.1 U
7/20/2022	XX	GWXXXXFAG	0.2 U	0.5 U	0.055		93	2.5 U	3.3	0.1 U		39	1 U		4.3	0.1 U
10/5/2022	XD	GWDP5XG0J	0.23	0.5 U	0.17		280	4 U	3.3	0.1 U		45	1 U		4.1	0.1 U
10/5/2022	XX	GWX09BG0C	0.57	0.5 U	0.16		42	4 U	3.8	0.1 U		44	1 U		4.4	0.1 U
4/19/2023	XX	GWX09BH03	0.2 U	0.5 U	0.074		68	4.5	3.6	0.1 U		34	1 U		5.4	0.1 U
7/12/2023	XX	GWXXXX00C	0.2 U	0.5 U	0.089		78	2.5 U	3.5	0.1 U		35	1 U		5.6	0.1 U
10/4/2023	XX	GWX09B078	0.2 U	0.5 U	0.17		81	2.5 U	3.2	0.1 U		37	1 U		5	0.1 U
4/10/2024	XX	GWX09B13H	0.2 U	0.5 U	0.05 U		82	8.3 U	3.4	0.1 U		29	1 U		5.7	0.1 U
7/17/2024	XX	GWXXXX1FB	0.2 U	0.5 U	0.05 U		75	8.3 U	3.2	0.1 U		37	1 U		6	0.1 U
10/9/2024	XX	GWX09B20A	0.2 U	0.5 U	0.051		78	8.3 U	3.5	0.1 U		43	1 U		5.8	0.1 U
MW04-102																
4/29/2015	XX	GW102X79C	0.5 U		0.5 U		127	4 U	12.7		100		2 U		2.1	0.1 U
7/14/2015	XX	GW102X7D4	0.5 U		2 U		135	4 U	13.8		98		2 U		2.5	0.1 U
10/28/2015	XX	GW102X7ID	0.5 U		0.5 U		138	4 U	10.8		99		2 U		2.2	0.1 U
4/5/2016	XX	GW102X873	0.5 U		0.05 U		133	4 U	14.1		100		2 U		1.6	0.1 U
7/26/2016	XX	GW102X8BD	0.5 U		0.05 U		136	4 U	14.5		99		2 U		2.2	0.2 U
10/25/2016	XX	GW102X8JC	0.5 U		0.05		151	5	12.2		99		2 U		1.7	0.2 U
4/19/2017	XX	GW102X97I	0.5 U		0.07		130	2.5 U	10		100		2 U		1.5	0.2 U

(MW04-102)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
7/26/2017	XX	GW102X9DG	0.5 U		0.06		123	2.5 U	12		99		2 U		1.7	0.2 U
10/25/2017	XX	GW102X9HB	0.25 U		0.05		150	2.5 U	12		94		2 U		1.4	0.1 U
4/4/2018	XX	GW102XA3A	0.5 U		0.12		140	3	5.7		100		2 U		1.1	0.1 U
7/18/2018	XX	GW102XACB	0.25 U		0.054		133	2.5 U	12		100		2 U		1.7	0.1 U
10/3/2018	XX	GW102XB19	0.25 U		0.074		143	2.5 U	13		100		2 U		1.5	0.1 U
4/24/2019	XX	GW102XB66	0.25 U		0.11		131	2.5 U	13		98		2 U		1.2	0.1 U
7/17/2019	XX	GW102XBCH	0.25 U		0.065		132	2.5 U	13		99		2 U		1.1	0.1 U
10/28/2019	XX	GW102XBIA	0.25 U		0.091		131	2.5 U	13		100		2 U		1.9	0.1 U
4/27/2020	XX	GW102XCDH	0.25 U		0.15		138	2.5 U	13		100		2 U		2 U	0.2 U
7/20/2020	XX	GW102XCIA	0.25 U		0.089		133	2.5 U	13		100		2 U		1.6	0.1 U
10/26/2020	XX	GW102XD3E	0.28		0.085		136	2.5 U	11		110		5.2 M10		1.1	0.1 U
4/5/2021	XX	GW102XDCG	0.25 U		0.11		135	2.5 U	13		110		2 U		1.7	0.1 U
7/12/2021	XX	GW102XE08	0.25 U		0.081		132	2.5 U	13		97		2 U		1 U	0.1 U
10/4/2021	XX	GW102XE6G	0.2 U		0.058		135	2.5 U	9.5		100		2 U		1.2	0.1 U
4/25/2022	XX	GW102XF18	0.51		0.16		126	2.5 U	12		100		1 U		1	0.1 U
7/18/2022	XX	GW102XF96	0.2 U		0.07		139	3	10		100		1 U		1.2	0.1 U
10/3/2022	XX	GW102XFJ7	0.2 U		0.11		91	4 U	8.8		100		1 U		1.1	0.1 U
4/17/2023	XX	GW102XGII	0.5 U		0.099		127	2.5 U	11		100		1 U		1.3	0.1 U
7/10/2023	XX	GW102XH90	0.2 U		0.12		129	2.5 U	10		99		1 U		1.4	0.1 U
10/2/2023	XX	GW102X067	0.2 U		0.17		125	2.5 U	9.6		110		1 U		1.5	0.1 U
4/1/2024	XX	GW102X12H	0.2 U		0.099		130	8.3 U	11		100		1 U		1.5	0.1 U
7/15/2024	XX	GW102X1DJ	0.2 U		0.05 U		128	8.3 U	9		100		1 U		2	0.1 U
10/7/2024	XX	GW102X1JA	0.2 U		0.05 U		139	8.3 U	9.4		110		1 U		1.6	0.1 U

MW04-109 & MW04-109R

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/28/2015	XX	GW109X79D	0.5 U		0.5 U		256	4 U	9.6		201		2 U		7.2	0.2
7/14/2015	XX	GW109X7D5	0.5 U		2 U		247	4 U	9.1		193		2 U		6	0.17
10/27/2015	XX	GW109X7IE	0.5 U		0.5 U		265	4 U	9.2		207		2 U		6.7	0.2
4/5/2016	XX	GW109X874	0.5 U		0.05 U		256	4 U	10.9		199		2 U		6.6	0.1 U
7/26/2016	XX	GW109X8BE	0.5 U		0.05 U		245	4 U	10.6		193		2 U		8.4	0.2
10/25/2016	XX	GW109X8JD	0.5 U		0.08		270	4 U	8.3		200		2 U		4.7	0.2
4/18/2017	XX	GW109X97J	0.5 U		0.05 U		261	2.5 U	8.6		230		2 U		5.5	0.2 U
7/25/2017	XX	GW109X9DH	0.5 U		0.06		259	2.5 U	12		210		2 U		6	0.2 U
10/24/2017	XX	GW109X9HC	0.25 U		0.05 U		267	2.5 U	9.1		190		2 U		9.9	0.1 U
4/3/2018	XX	GW109XA3B	0.25 U		0.15		271	2.5 U	55		220		2 U		5.5	0.17
7/17/2018	XX	GW109XACC	0.29		0.21		258	2.5 U	9.9		200		2.1		11	0.15
10/2/2018	XX	GW109XB1A	0.25 U		0.1		252	2.5 U	9		200		2 U		5	0.11
4/23/2019	XX	GW109XB67	0.25 U		0.058		256	2.5 U	10		210		2 U		3.8	0.16
7/16/2019	XX	GW109XBCI	0.25 U		0.05 U		265	2.5 U	8.9		220		2 U		6.8	0.15
10/29/2019	XX	GW109XBIB	0.92		0.05 U		260	2.5 U	8.5		210		2		1 U	0.2
4/28/2020	XX	GW109XCDI	0.25 U		0.11		251	2.5 U	10		210		2 U		4.2	0.16
7/21/2020	XX	GW109XCIB	0.29		0.073		252	2.5 U	8		200		2 U		3.6	0.23
10/27/2020	XX	GW109XD3F	0.27		0.058		224	2.5 U	6.8		190		54 M10		2.8	0.14
4/6/2021	XX	GW109XDCH	0.25 U		0.065		245	2.5 U	7.6		210		2 U		3.6	0.2
7/13/2021	XX	GW109XE09	0.25 U		0.05 U		246	2.5 U	7.1		200		2 U		4.2	0.2
10/5/2021	XX	GW109XE6H	0.2 U		0.05 U		248	2.5 U	7.6		200		2 U		2.1	0.1 U
4/26/2022	XX	GW109XF19	0.25		0.052		232	2.5 U	6		190		1.7		3.7	0.15
7/19/2022	XD	GWDP7XFBI	0.35		0.05 U		248	2.5 U	5.8		190		1.7		5.5	0.2
7/19/2022	XX	GW109XF97	0.32		0.05 U		244	2.5 U	6.4		190		1.7		5.7	0.18
10/4/2022	XX	GW109XFJ8	0.2 U		0.12		650	4 U	5.9		180		1.6		3.3	0.13

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(MW04-109 & MW04-109R)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/18/2023	XX	GW109XGIJ	0.2 U		0.066		228	2.5	7.1		190		2		5.3	0.13
7/11/2023	XD	GWDP8X01C	0.3		0.068		245	2.5 U	6.4		190		1.9		3.5	0.14
7/11/2023	XX	GW109XH91	0.26		0.05 U		251	2.5 U	5.5		190		1.8		3.1	0.13
10/2/2023	XX	GW109X068	0.2		0.064		211	2.5 U	4.7		180		1.9		1.5	0.1
4/2/2024	XX	GW109X12I	0.2 U		0.089		212	8.3 U	6.3		180		2.6		2.8	0.12
7/16/2024	XD	GWDP8X1GB	0.36		0.05 U		226	8.3 U	5.4		190		2.2		2.1	0.14
7/16/2024	XX	GW109X1E0	0.35		0.05 U		232	8.3 U	5.3		190		2.4		2.5	0.14
10/8/2024	XX	GW109X1JB	0.2		0.05 U		218	8.3 U	6		32		2.1		2.8	0.14

MW06-01

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/10/2018	XD	GWDP1XA68	0.25 U	0.5 U	0.14	0.04 U	53	2.5 U	2.3	0.1 U		32	2 U	1 U	4.8	0.1 U
4/10/2018	XX	GWXXXXA70	0.25 U	0.5 U	0.13	0.04 U	50	2.5 U	2.3	0.1 U		32	2 U	1 U	4.8	0.1 U
6/4/2018	XX	GWXXXXA7H	0.25 U	0.5 U	0.11	0.04 U	75	2.5 U	2.8	0.1 U		32	2 U	1 U	8.9	0.1 U
7/18/2018	XX	GWXXXXAEF	0.25 U		0.13		72	2.5 U	3			31	2 U	1 U	8.1	0.1 U
8/20/2018	XD	GWDP1XAF4	0.25 U		0.097		68	2.5 U	2.7			32	2 U		7.3	0.1 U
8/20/2018	XX	GWXXXXAFG	0.25 U		0.078		78	2.5 U	2.6			31	2 U		7.3	0.1 U
4/24/2019	XX	GWXXXXB7D	0.25 U		0.091		60	2.5 U	2.9		30		2 U		4.4	0.1 U
7/18/2019	XX	GWXXXXBE1	0.25 U		0.13		77	2.5 U	2.6		34		2 U		7.5	0.1 U
10/30/2019	XX	GWXXXXBJ8	0.25 U		0.11		50	2.5 U	9.2		23		2 U		1.3	0.1 U
4/29/2020	XX	GWXXXXCF1	0.25 U		0.15		60	2.5 U	3.3		31		2 U		7.8	0.1 U
7/22/2020	XX	GWXXXXCJE	0.25 U		0.05 U		64	2.5 U	3.3		31		2 U		6.7	0.1 U
10/28/2020	XX	GWXXXXD4C	0.25 U		0.16		53	2.5 U	2.7		33		4.9 M10		7.7	0.1 U
4/7/2021	XX	GWXXXXDDI	0.25 U		0.14	0.04 U	81	2.5 U	2 U		37		2 U	2 U	7.9	0.1 U
7/14/2021	XX	GWXXXXE19	0.25 U		0.22		83	2.5 U	2.6		39		2 U		11	0.1 U
10/6/2021	XX	GWXXXXE7D	0.2 U		0.26		98	2.5 U	2.4		40		2 U		11	0.1 U
4/27/2022	XX	GWXXXXF24	0.2 U		0.23		129	2.5 U	2.5		69		1 U		12	0.2
7/20/2022	XX	GWXXXXFA7	0.2 U	0.5 U	0.27		128	2.5 U	2.5	0.1 U		62	1 U		13	0.1 U
10/5/2022	XX	GWXXXXG03	0.2 U		0.34		140	4 U	2.3			67	1 U		12	0.14
4/19/2023	XX	GWXXXXGJE	0.2 U		0.27		121	2.5 U	2.8		78		1 U		13	0.19
7/12/2023	XX	GWXXXX003	0.2 U	0.5 U	0.25		137	2.5 U	2.7	0.1 U		83	1 U		13	0.24
10/4/2023	XX	GWXXXX06J	0.2 U	0.5 U	0.23		142	2.5 U	2.6	0.1 U		84	1 U		11	0.23
4/10/2024	XX	GWXXXX138	0.2 U	0.5 U	0.14		182	8.3 U	4.4	0.1 U		110	2		12	0.59
7/17/2024	XX	GWXXXX1F2	0.2 U	0.5 U	0.16		141	8.3 U	3.7	0.1 U		89	2.9		12	0.23
10/9/2024	XX	GWXXXX201	0.2 U	0.5 U	0.2		146	8.3 U	3.3	0.1 U		98	1 U		12	0.19

MW-08-01

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
2/9/2021	XX	GWXXXXDA0	0.25 U	0.5 U	0.089	0.08	162	4.7	19	0.1 U		93	2 U	2 U	6.9	0.1 U
4/7/2021	XX	GWXXXXDAJ	0.25 U	0.5 U	0.05 U	0.08	143	3.5	13	0.1 U		95	2 U	2 U	3.8	0.1 U
6/9/2021	XX	GWXXXXDH2	0.25 U	0.5 U	0.067	0.07	141	2.5 U	12	0.1 U		90	2 U	2 U	2.9	0.1 U
8/19/2021	XX	GWXXXXE4G	0.2 U	0.5 U	0.05 U	0.07	145	2.5 U	14	0.1 U		90	2 U	2 U	4.2	0.1 U
10/4/2021	XX	GWXXXXE9B	0.2 U	0.5 U	0.05 U					0.1 U			2 U			
10/5/2021	XX	GWXXXXE9BINO28					149	2.5 U	18			91			5.1	0.1 U
4/27/2022	XX	GWXXXXF3G	0.38	0.5 U	0.05 U		179	31	19	0.1 U		96	1 U		5.9	0.1 U
7/21/2022	XX	GWXXXXFBD	0.2 U	0.5 U	0.087		135	3	14	0.3 U		86	1 U		4.2	0.1 U
10/5/2022	XX	GWXXXXG1F	0.24	0.5 U	1.3		130	6.4	16	0.1 U		89	1.1		7.3	0.1 U
4/17/2023	XX	GWXXXXH16	0.5 U	0.5 U	0.53		132	3.5	15	0.1 U		90	1 U		5.4	0.1 U
7/13/2023	XX	GWXXXX019	0.2 U	0.5 U	0.36		126	2.5 U	13	0.1 U		89	1 U		4.5	0.1 U
10/5/2023	XX	GWXXXX08B	0.2 U	0.5 U	0.25		140	13	14	0.1 U		98	1 U		5.6	0.1 U
4/11/2024	XX	GWXXXX150	0.2 U	0.5 U	0.16		145	8.3 U	15	0.1 U		94	1 U		5.1	0.1 U
7/17/2024	XX	GWXXXX1G8	0.2 U	0.5 U	0.12		131	8.3 U	14	0.1 U		90	1 U		4.3	0.1 U

(MW-08-01)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/10/2024	XX	GWXXXX21D	0.2 U	0.5 U	0.15		129	8.3 U	14	0.1 U		89	1 U		3.8	0.1 U

MW09-901

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/28/2015	XX	GW901X78G	0.5 U		0.5 U		175	4 U	11		142		2 U		4.6	0.1 U
7/14/2015	XX	GW901X7C8	0.5		2 U		178	4 U	11.2		141		2 U		4.4	0.1 U
10/27/2015	XX	GW901X7HH	0.6		0.5 U		198	4 U	10.9		154		2 U		5.8	0.1 U
4/5/2016	XD	GWDP1X85F	0.5 U		0.13		194	4 U	12.4		154		2 U		5.2	0.1 U
4/5/2016	XX	GW901X867	0.5 U		0.06		188	4 U	12.3		155		2 U		5.4	0.1 U
7/26/2016	XD	GWDP1X8A5	0.5 U		0.05 U		205	4 U	12.1		158		2 U		6.2	1.2
7/26/2016	XX	GW901X8AH	1.5		0.05 U		203	4 U	12.4		157		2 U		6.1	0.2 U
10/25/2016	XX	GW901X8IG	0.5 U		0.11		224	4 U	9.9		159		2 U		5.9	0.2
4/18/2017	XD	GWDP1X96A	0.5 U		0.29		197	2.5 U	10		170		2 U		6	0.2 U
4/18/2017	XX	GW901X972	0.5 U		0.29		206	2.5 U	11		170		2 U		6.1	0.2 U
7/25/2017	XD	GWDP1X9C8	0.5 U		0.35		224	2.5 U	14		170		2 U		6.8	0.2 U
7/25/2017	XX	GW901X9D0	0.5 U		0.4		230	2.5 U	14		160		2 U		6.8	0.2 U
10/24/2017	XX	GW901X9GF	0.25 U		0.23		234	2.5 U	13		170		2 U		9.5	0.1 U
4/3/2018	XD	GWDP1XA21	0.25 U		0.61		220	2.5 U	45		170		2 U		7.4	0.16
4/3/2018	XX	GW901XA2E	0.34		0.6		235	2.5 U	47		170		2 U		7.4	0.15
7/17/2018	XD	GWDP1XAB3	0.25 U		0.76		234	2.5 U	13		170		2 U		13	0.12
7/17/2018	XX	GW901XABF	0.36		0.75		231	2.5 U*	14		180		2 U		14	0.13
10/2/2018	XX	GW901XB0D	0.25 U		0.37		234	2.5 U	13		170		2 U		10	0.17
4/23/2019	XD	GWDP1XB4H	0.3		0.18		217	2.5 U	11		170		2 U		4.7	0.32
4/23/2019	XX	GW901XB5A	0.25 U		0.2		217	2.5 U	11		170		2 U		4.8	0.26
7/16/2019	XD	GWDP1XBBA	0.25 U		0.24		236	2.5 U	12		180		2 U		8.7	0.22
7/16/2019	XX	GW901XBC2	0.25 U		0.22		227	2.5 U	12		180		2 U		8.6	0.23
10/29/2019	XX	GW901XBHF	0.25 U		0.05 U		209	2.5 U	13		160		2 U		5.1	0.27
4/28/2020	XD	GWDP1XCCA	0.25 U		0.1		220	2.5 U	14		170		2 U		5.9	0.32
4/28/2020	XX	GW901XCD2	0.25 U		0.11		216	2.5 U	14		170		2 U		6	0.32
7/21/2020	XD	GWDP1XCH3	0.25 U		0.073		216	2.5 U	12		170		2 U		4.2	0.32
7/21/2020	XX	GW901XCHF	0.25 U		0.05 U		219	2.5 U	13		170		2 U		4.4	0.29
10/27/2020	XX	GW901XD2J	0.25 U		0.05 U		194	2.5 U	12		160		39 M10		3.3	0.15
4/6/2021	XD	GWDP1XDB9	0.25 U		0.09		220	2.5 U	12		180		2 U		4.6	0.3
4/6/2021	XX	GW901XDC1	0.25 U		0.086		227	2.5 U	12		180		2 U		3.5	0.29
7/13/2021	XD	GWDP1XDJ1	0.25 U		0.05 U		202	2.5 U	12		160		2 U		1 U	0.1 U
7/13/2021	XX	GW901XDJD	0.25 U		0.05 U		209	2.5 U	12		160		2 U		4.1	0.24
10/5/2021	XX	GW901XE61	0.24		0.05 U		202	2.5 U	11		160		2 U		2.5	0.1
4/26/2022	XX	GW901XF0D	0.31		0.44		240	2.5 U	12		180		1.3		14	0.28
7/19/2022	XD	GWDP1XF7J	0.2 U		0.05 U		231	2.5 U	10		180		1.2		7.2	0.23
7/19/2022	XX	GW901XF8B	0.22		0.05 U		212	2.5 U	11		170		1.2		7.8	0.28
10/4/2022	XX	GW901XFIC	0.2 U		0.12		270	4 U	8.4		140		2.2		6.4	0.21
4/18/2023	XX	GW901XGI3	0.2 U		0.53		241	2.5 U	12		180		1.6		14	0.23
7/11/2023	XD	GWDP1XH7D	0.2 U		0.091		229	2.5 U	11		170		1.4		7.2	0.31
7/11/2023	XX	GW901XH85	0.2 U		0.077		243	2.5	12		170		3.3		6.8	0.25
10/2/2023	XX	GW901X05D	0.2 U		0.05		203	2.5 U	10		170		1.4		4.5	0.18
4/2/2024	XX	GW901X123	0.2 U		0.2		210	8.3 U	12		170		2		7.6	0.24
7/16/2024	XD	GWDP1X1CD	0.2 U		0.083		207	8.3 U	12		160		1.6		5.7	0.2
7/16/2024	XX	GW901X1D5	0.2 U		0.05 U		207	8.3 U	11		160		1.4		6.7	0.21
10/8/2024	XX	GW901X1IG	0.2 U		0.05 U		197	8.3 U	13		33		1.3		5	0.24

MW-206

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-206)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/27/2015	XX	GW206X77J	0.5 U		0.5 U		88	4 U	2 U		69		2 U		3.6	0.1 U
7/13/2015	XX	GW206X7BB	0.5 U		2 U		95	4 U	2.1		70		2 U		1.3	0.1 U
7/13/2015	XD	GWDP3X7C7	0.5 U		2 U		95	4 U	2 U		65		2 U		1.6	0.1 U
10/26/2015	XX	GW206X7H0	0.5 U		0.5 U		95	4 U	2 U		68		2 U		3.2	0.1 U
4/4/2016	XX	GW206X85A	1.2		0.05		95	4 U	2.3		70		2 U		1.9	0.1 U
7/25/2016	XD	GWDP4X8B2	0.7		0.14		95	4 U	2 U		68		2 U		1.4	0.2 U
7/25/2016	XX	GW206X8A0	0.7		0.05 U		95	4 U	2 U		69		2 U		1.5	0.2 U
10/24/2016	XX	GW206X8HJ	0.5 U		0.18		97	4 U	2 U		69		2 U		1.6	0.2 U
4/17/2017	XX	GW206X965	0.5 U		0.16		102	37	2 U		73		2 U		1.3	0.2 U
7/24/2017	XD	GWDP4X9D5	0.5 U		0.18		110	5 U	2.3		70		2 U		1.9	0.2 U
7/24/2017	XX	GW206X9C3	0.5 U		0.13		68	5 U	2.3		69		2 U		2.1	0.2 U
10/23/2017	XX	GW206X9FI	0.25 U		0.22		92	2.5 U	2 U		64		2 U		1	1.2
4/2/2018	XX	GW206XA1G	0.25 U		0.23		97	8	2 U		71		2 U		1.4	0.1 U
7/16/2018	XD	GWDP4XAC0	0.49		0.28		80	2.5 U	2 U		66		2 U		1.9	0.1 U
7/16/2018	XX	GW206XAAI	0.26		0.26		88	2.5 U	2.4		70		2 U		2.3	0.1 U
10/1/2018	XX	GW206XAJG	0.25 U		0.05 U		92	2.5 U	2.1		72		2 U		1.9	0.1 U
4/22/2019	XX	GW206XB4C	0.25 U		0.2		97	5	2 U		68		2 U		1.7	0.1 U
7/17/2019	XX	GW206XBB5	0.25 U		0.18		93	2.5 U	2.3		71		2 U		2	0.1 U
10/28/2019	XX	GW206XBGJ	0.25 U		0.18		99	2.5 U	2 U		71		2 U		2.2	0.1 U
4/27/2020	XX	GW206XCC5	0.25 U		0.11		101	3	2.4		74		2 U		2.4	0.1 U
7/20/2020	XX	GW206XCGI	0.25 U		0.26		89	2.5 U	2.6		70		2 U		2.8	0.1 U
10/26/2020	XX	GW206XD23	0.25 U		0.16		89	2.5 U	1.7		72		6.6 M10		2	0.1 U
4/5/2021	XX	GW206XDB4	0.25 U		0.14		93	2.5 U	2.3		70		2 U		2.8	0.1 U
7/14/2021	XX	GW206XDIG	0.25 U	0.5 U	0.12		90	2.5 U	2.1	0.1 U		68	2 U		2.4	0.1 U
10/4/2021	XX	GWXXXXE8D	0.31	0.5 U	0.11		95	2.5 U	2 U	0.1 U		70	2 U		2.4	0.1 U
4/25/2022	XX	GWXXXXF2J	0.5 UH	0.5 U	0.096		94	2.5 U	2 U	0.1 U		68	1 U		2.3	0.1 U
7/18/2022	XX	GW206XF7E	0.2 U	0.5 U	0.082		101	2.5	2 U	0.1 U		72	1 U		2.5	0.1 U
10/3/2022	XX	GWXXXXG0I	0.2 U	0.5 U	0.13		23	4 U	2 U	0.1 U		70	1 U		2	0.1 U
4/17/2023	XX	GWXXXXH09	0.5 U	1	0.11		85	2.5 U	2 U	0.1 U		72	1 U		2.4	0.1 U
7/10/2023	XX	GW206XH78	0.2 U	0.5 U	0.1		100	2.5 U	4.3	0.1 U		66	1 U		2.5	0.1 U
10/2/2023	XX	GWXXXX07E	0.2 U	0.5 U	0.075		92	2.5 U	2.3	0.1 U		73	1 U		2.6	0.1 U
4/1/2024	XX	GWXXXX143	0.2 U	0.5 U	0.083		87	8.3 U	2.3	0.1 U		66	1 U		2.5	0.1 U
7/15/2024	XX	GW206X1C8	0.2 U	0.5 U	0.05 U		93	8.3 U	2	0.1 U		70	1 U		2.5	0.1 U
10/7/2024	XX	GWXXXX20G	0.2 U	0.5 U	0.085		90	8.3 U	2 U	0.1 U		70	1 U		2.1	0.1 U

MW-223A

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/28/2015	XX	GW223A781	0.5 U		0.5 U		308	4 U	10.8		184		2 U		34.9	0.1
4/28/2015	XD	GWDP1X784	0.5 U		0.5 U		302	4 U	11.1		184		2 U		35.2	0.1
7/14/2015	XX	GW223A7BD	0.5 U		2 U		319	4 U	11.9		182		2 U		37.8	0.1 U
10/27/2015	XX	GW223A7H2	0.5 U		0.5 U		326	4 U	12.1		186		2 U		41.2	0.1 U
4/27/2016	XX	GW223A85C	0.5 U		0.48		318	4 U	13.9		191		2 U		43.2	0.1 U
7/26/2016	XX	GW223A8A2	0.5 U		0.36		345	4 U	14.6		184		2 U		41.9	0.2 U
10/25/2016	XX	GW223A8I1	0.5 U		0.57		353	4 U	13.4		185		2 U		43.5	0.2 U
4/18/2017	XX	GW223A967	0.5 U		0.58		334	2.5 U	8		200		2 U		40	0.2 U
7/25/2017	XX	GW223A9C5	0.5 U		0.48		356	2.5 U	16		190		2 U		46	0.2 U
10/24/2017	XX	GW223A9G0	0.25 U		0.58		346	2.5 U	16		180		2 U		49	0.1 U
4/3/2018	XX	GW223AA1I	0.25 U		0.67		333	2.5 U	59		200		2 U		32	0.12
7/17/2018	XX	GW223AAB0	0.43		0.7		337	2.5 U	16		190		2 U		43	0.11
10/2/2018	XX	GW223AAJI	0.35		0.63		346	2.5 U	16		200		2 U		41	0.1 U
4/23/2019	XX	GW223AB4E	0.26		0.72		337	2.5 U	18		210		2 U		26	0.11

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-223A)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
7/16/2019	XX	GW223ABB7	0.4		0.71		345	2.5 U	18		220		2 U		34	0.11
10/29/2019	XX	GW223ABH0	0.29		0.64		337	2.5 U	19		230		2 U		32	0.12
4/28/2020	XX	GW223ACC7	0.25 U		0.74		360	2.5 U	22		230		2 U		32	0.15
7/21/2020	XX	GW223ACH0	0.25 U		0.17		376	2.5 U	20		240		2 U		31	0.23
10/27/2020	XX	GW223AD24	0.25 U		0.55		337	2.5 U	19		250		44 M10		31	0.13
4/6/2021	XX	GW223ADB6	0.25 U		0.46		365	2.5 U	21		260		2 U		24	0.2
7/13/2021	XX	GW223ADII	0.25 U		0.52		371	2.5 U	20		250		2 U		32	0.1 U
10/5/2021	XX	GW223AE56	0.26		0.6		387	2.5 U	21		260		2 U		30	0.1 U
4/26/2022	XX	GW223AEJI	0.61		0.69		375	2.5 U	19		260		1 U		27	0.14
7/19/2022	XX	GW223AF7G	0.47		0.72		370	2.5 U	19		270		1 U		27	0.14
10/4/2022	XX	GW223AFHH	0.5		0.86		460	4 U	19		260		1 U		26	0.15
4/18/2023	XX	GW223AGH8	0.2 U		1.1		364	9	17		260		1		24	0.11
7/11/2023	XX	GW223AH7A	0.2 U		1.2		408	2.5 U	19		270		1		26	0.12
10/2/2023	XX	GW223A04H	0.2 U		1.1		377	2.5 U	17		270		1 U		26	0.13
4/2/2024	XX	GW223A118	0.2 U		1.2		389	8.3 U	20		270		1 U		34	0.19
7/15/2024	XX	GW223A1CA	0.2 U		1.4		396	8.3 U	18		270		1 U		34	0.19
10/8/2024	XX	GW223A1I1	0.2 U		1.2		384	8.3 U	19		96		1 U		35	0.2

MW-223B

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/28/2015	XX	GW223B798	0.5 U		0.5 U		234	4 U	7		138		2 U		34.4	0.2
7/14/2015	XX	GW223B7D0	0.5 U		2 U		240	4 U	6.8		139		2 U		36.7	0.1 U
10/27/2015	XX	GW223B7I9	0.5 U		0.5 U		261	4 U	7.6		143		2 U		39.7	0.1 U
4/5/2016	XX	GW223B86J	0.5 U		0.15		228	12	8.8		146		2 U		40.1	0.1 U
7/26/2016	XX	GW223B8B9	0.5 U		0.17		248	4 U	8.7		146		2 U		36.6	0.2 U
10/25/2016	XX	GW223B8J8	1		0.43		262	4 U	7.1		147		2 U		34.4	0.2 U
4/18/2017	XX	GW223B97E	0.5 U		0.43		246	2.5 U	12		160		2 U		1.3	0.2 U
7/25/2017	XX	GW223B9DC	0.5 U		0.41		261	2.5 U	9.3		150		2 U		40	0.2 U
10/24/2017	XX	GW223B9H7	0.34		0.45		252	2.5 U	9.4		150		2 U		44	0.1 U
4/3/2018	XX	GW223BA36	0.27		0.58		254	2.5 U	53		160		2 U		31	0.1 U
7/17/2018	XX	GW223BAC7	0.25 U		0.67		252	2.5 U	11		160		2 U		42	0.11
10/2/2018	XX	GW223BB15	0.25 U		0.58		280	2.5 U	11		170		2 U		42	0.1 U
4/23/2019	XX	GW223BB62	0.25 U		0.65		281	2.5 U	12		170		2 U		32	0.11
7/16/2019	XX	GW223BBCD	0.25 U		0.7		282	2.5 U	13		180		2 U		42	0.13
10/29/2019	XX	GW223BBI6	0.25 U		0.63		285	2.5 U	15		180		2 U		39	0.15
4/28/2020	XX	GW223BCDD	0.35		0.75		288	2.5 U	16		180		2 U		38	0.15
7/21/2020	XX	GW223BCI6	0.25		0.21		326	2.5 U	14		180		2 U		38	0.22
10/27/2020	XX	GW223BD3A	0.25 U		0.65		283	2.5 U	14		190		47 M10		38	0.15
4/6/2021	XX	GW223BDCC	0.25 U		0.58		309	3	14		200		2 U		31	0.2 U
7/13/2021	XX	GW223BE04	0.25 U		0.61		308	2.5 U	16		200		2 U		38	0.1 U
10/5/2021	XX	GW223BE6C	0.61		0.6		340	2.5 U	16		200		2 U		35	0.1
4/26/2022	XX	GW223BF14	0.48		0.51		308	2.5 U	15		200		1 U		32	0.16
7/19/2022	XX	GW223BF92	0.2 U		0.47		297	2.5 U	15		200		1 U		33	0.16
10/4/2022	XX	GW223BFJ3	0.7		0.67		350	4 U	17		210		1 U		30	0.16
4/18/2023	XX	GW223BGIE	0.2 U		0.67		317	2.5 U	15		210		1 U		32	0.15
7/11/2023	XX	GW223BH8G	0.2 U		0.75		356	2.5 U	16		210		1 U		31	0.15
10/2/2023	XX	GW223B063	0.3		0.46		304	7.3	15		220		1 U		29	0.12
4/2/2024	XX	GW223B12D	0.2 U		0.69		312	8.3 U	16		210		1 U		31	0.14
7/16/2024	XX	GW223B1DF	0.2 U		0.7		314	8.3 U	15		210		1 U		29	0.14
10/8/2024	XX	GW223B1J6	0.2		0.86		301	8.3 U	17		160		1 U		27	0.16

(MW-227)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
MW-227																
4/28/2015	XX	GW227X782	0.5 U		0.5 U		110	4 U	13.3		81		2 U		2.2	0.1 U
4/28/2015	XD	GWDP3X78F	0.5		0.5 U		115	4 U	13.4		82		2 U		2.1	0.1 U
7/14/2015	XX	GW227X7BE	0.5 U		2 U		109	4 U	12.4		80		2 U		1.4	0.1 U
7/14/2015	XD	GWDP1X7BG	0.5 U		2 U		104	7	13.1		78		2 U		1.8	0.1 U
10/27/2015	XX	GW227X7H3	0.5 U		0.5 U		115	4 U	12		79		2 U		2.1	0.1 U
10/27/2015	XD	GWDP1X7H5	0.5 U		0.5 U		108	4 U	12.1		77		2 U		2.2	0.1 U
4/5/2016	XD	GWDP3X866	0.5 U		0.05 U		112	4 U	13.5		78		2 U		1.5	0.1 U
4/5/2016	XX	GW227X85D	0.5 U		0.05 U		105	4 U	13.4		79		2 U		1.6	0.1 U
7/26/2016	XD	GWDP3X8AG	0.5 U		0.05 U		108	4 U	12.4		79		2 U		2.1	0.2 U
7/26/2016	XX	GW227X8A3	0.5 U		0.05 U		114	4 U	12.5		80		2 U		2	0.2 U
10/25/2016	XD	GWDP3X8IF	0.7		0.05 U		123	4 U	11.5		79		2 U		1.77	0.2 U
10/25/2016	XX	GW227X8I2	0.5 U		0.05 U		129	4 U	11.6		79		2 U		1.8	0.2 U
4/18/2017	XD	GWDP3X971	0.5 U		0.05 U		108	6	12		84		2 U		1.4	0.2 U
4/18/2017	XX	GW227X968	0.5 U		0.05 U		110	4	12		84		2 U		1.3	0.2 U
7/25/2017	XD	GWDP3X9CJ	0.5 U		0.05 U		119	2.5 U	13		80		2 U		1.9	0.2 U
7/25/2017	XX	GW227X9C6	0.5 U		0.05 U		113	2.5 U	13		80		2 U		1.9	0.2 U
10/24/2017	XD	GWDP3X9GE	0.25 U		0.05 U		110	2.5 U	12		75		2 U		1.8	0.1 U
10/24/2017	XX	GW227X9G1	0.25 U		0.05 U		122	2.5 U	12		76		2 U		2	0.1 U
4/3/2018	XD	GWDP3XA2D	0.25 U		0.091		109	2.5 U	7.8		80		2 U		1.2	0.1 U
4/3/2018	XX	GW227XA1J	0.25 U		0.11		109	3.7	7.7		81		2 U		1.4	0.1 U
7/17/2018	XD	GWDP3XABE	0.25 U		0.057		102	2.5 U	12		76		2 U		1.1	0.1 U
7/17/2018	XX	GW227XAB1	0.25 U		0.083		101	2.5 U	12		80		2 U		1.2	0.1 U
10/2/2018	XD	GWDP3XB0C	0.88		0.07		113	2.5 U	12		80		2 U		1.4	0.1 U
10/2/2018	XX	GW227XAJJ	0.26		0.05 U		115	2.5 U	12		79		2 U		1.6	0.1 U
4/23/2019	XD	GWDP3XB59	0.25 U		0.092		106	6.3	14		81		2 U		1.1	0.1 U
4/23/2019	XX	GW227XB4F	0.25 U		0.12		108	10	14		81		2 U		1.3	0.1 U
7/16/2019	XD	GWDP3XBC1	0.25 U		0.05 U		103	2.5 U	12		79		2 U		1.3	0.1 U
7/16/2019	XX	GW227XBB8	0.25 U		0.05 U		114	4.3	13		80		2 U		1.4	0.1 U
10/29/2019	XD	GWDP3XBHE	1.8		0.091		110	2.5 U	13		78		2 U		1.6	0.1 U
10/29/2019	XX	GW227XBH1	0.25 U		0.05 U		106	2.5 U	12		82		2 U		1.3	0.1 U
4/28/2020	XD	GWDP3XCD1	0.25 U		0.13		105	2.5 U	17		82		2 U		1.2	0.1 U
4/28/2020	XX	GW227XCC8	0.25 U		0.11		115	2.5 U	15		81		2 U		1.4	0.1 U
7/21/2020	XD	GWDP3XCHE	0.25 U		0.05 U		118	2.5 U	13		77		2 U		1.3	0.1 U
7/21/2020	XX	GW227XCH1	0.25 U		0.05 U		117	2.5 U	13		80		2 U		1.5	0.1
10/27/2020	XD	GWDP3XD2I	0.25 U		0.065		103	2.5 U	12		82		16 M10		1.2	0.1 U
10/27/2020	XX	GW227XD25	0.25 U		0.056		104	2.5 U	11		84		14 M10		1.1	0.1 U
4/6/2021	XD	GWDP3XDC0	0.25 U		0.066		117	5.5	13		88		2 U		1.6	0.1 U
4/6/2021	XX	GW227XDB7	0.25 U		0.067		102	2.5 U	13		90		2 U		1.7	0.1 U
7/13/2021	XD	GWDP3XDJC	0.25 U		0.05 U		108	10	13		80		2 U		1.1	0.1 U
7/13/2021	XX	GW227XDIJ	0.25 U		0.05 U		112	2.5 U	11		83		2 U		1 U	0.1 U
10/5/2021	XD	GWDP3XE60	0.34		0.05 U		121	6.3	12		83		2 U		1.3	0.1 U
10/5/2021	XX	GW227XE57	0.2 U		0.05 U		119	3	12		82		2 U		1.2	0.1 U
4/26/2022	XD	GWDP3XF0C	0.2 U		0.054		109	2.5 U	12		82		1 U		1.2	0.1 U
4/26/2022	XX	GW227XEJJ	0.35		0.051		115	2.5 U	12		82		1 U		1.2	0.1 U
7/19/2022	XD	GWDP3XF8A	0.2 U		0.05 U		119	2.5 U	11		82		1 U		1.1	0.1 U
7/19/2022	XX	GW227XF7H	0.2 U		0.05 U		130	2.5 U	12		85		1 U		1.3	0.1 U
10/4/2022	XD	GWDP3XFIB	0.2 U		0.1		18	4 U	10		83		1 U		1.3	0.1 U
10/4/2022	XX	GW227XFHI	0.23		0.11		190	4 U	11		84		1 U		1.2	0.1 U

(MW-227)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/18/2023	XD	GWDP3XGI2	0.2 U		0.058		104	2.5 U	11		82		1 U		1.3	0.1 U
4/18/2023	XX	GW227XGH9	0.2 U		0.05 U		113	2.5 U	12		80		1 U		1.3	0.1 U
7/11/2023	XD	GWDP3XH84	0.2 U		0.07		128	2.5 U	11		80		1 U		1.3	0.1 U
7/11/2023	XX	GW227XH7B	0.2 U		0.087		135	2.5 U	11		80		1 U		1.3	0.1 U
10/2/2023	XD	GWDP3X05C	0.2 U		0.05 U		106	2.5 U	10		84		1 U		1.3	0.1 U
10/2/2023	XX	GW227X04I	0.2 U		0.05 U		103	2.5 U	10		82		1 U		1.3	0.1 U
4/2/2024	XD	GWDP3X122	0.2 U		0.069		109	8.3 U	14		80		1 U		1.4	0.1 U
4/2/2024	XX	GW227X119	0.2 U		0.079		103	8.3 U	12		80		1 U		1.3	0.1 U
7/16/2024	XD	GWDP3X1D4	0.2 U		0.099		107	8.3 U	11		76		1 U		1.4	0.1 U
7/16/2024	XX	GW227X1CB	0.2 U		0.062		105	8.3 U	11		81		1 U		1.5	0.1 U
10/8/2024	XD	GWDP3X1IF	0.2 U		0.05 U		101	8.3 U	11		88		1 U		1.5	0.1 U
10/8/2024	XX	GW227X1I2	0.2 U		0.055		99	8.3 U	11		75		1 U		1.5	0.1 U

MW-301

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/29/2015	XX	GW301X783	0.5 U		0.5 U		117	4 U	17.2		78		2 U		5.7	0.1 U
7/15/2015	XX	GW301X7BF	0.5 U		2 U		128	4 U	17		80		2 U		6.4	0.1 U
10/27/2015	XX	GW301X7H4	0.5 U		0.5 U		129	4 U	16.9		73		2 U		8	0.1 U
10/27/2015	XD	GWDP4X7I2	0.5 U		0.5 U		131	4 U	16.6		76		2 U		8.3	0.1 U
4/27/2016	XX	GW301X85E	0.5 U		0.06		133	20	17.5		77		2 U		8.8	0.1 U
7/27/2016	XX	GW301X8A4	0.5 U		0.06		139	14	14.9		75		2 U		8.2	0.2 U
10/26/2016	XD	GWDP4X8J1	0.5 U		0.05 U		143	4 U	17.1		75		2 U		8.9	0.2 U
10/26/2016	XX	GW301X8I3	0.5 U		0.05 U		146	4 U	17.2		76		2 U		9.1	0.2 U
4/19/2017	XX	GW301X969	0.5 U		0.05 U		138	2.5 U	17		79		2 U		12	0.2 U
7/26/2017	XX	GW301X9C7	0.5 U		0.05 U		136	2.5 U	19		74		2 U		15	0.2 U
10/25/2017	XD	GWDP4X9H0	0.25 U		0.09		162	2.5 U	18		71		2 U		12	0.1 U
10/25/2017	XX	GW301X9G2	0.25 U		0.07		150	2.5 U	18		70		2 U		15	0.1 U
4/4/2018	XX	GW301XA20	0.25 U		0.1		138	2.5 U	10		78		2 U		12	0.1 U
7/18/2018	XX	GW301XAB2	0.25 U		0.092		145	6	15		76		2 U		20	0.1 U
10/1/2018	XD	GWDP4XB0I	0.25 U		0.051		144	2.5 U	16		77		2 U		14	0.1
10/1/2018	XX	GW301XB00	0.25 U		0.06		147	2.5 U	16		75		2 U		16	0.1
4/24/2019	XX	GW301XB4G	0.25 U		0.066		148	2.5 U	17		74		2 U		21	0.1
7/17/2019	XX	GW301XBB9	0.25 U		0.051		159	2.5 U	17		78		2 U		25	0.1 U
10/28/2019	XD	GWDP4XBI0	0.25 U		0.07		163	2.5 U	18		77		2 U		27	0.15
10/28/2019	XX	GW301XBH2	0.25 U		0.056		161	2.5 U	17		74		2 U		26	0.15
4/27/2020	XX	GW301XCC9	0.25 U		0.083		148	2.5 U	19		77		2 U		20	0.1 U
7/20/2020	XX	GW301XCH2	0.25 U		0.05 U		153	2.5 U	18		76		2 U		25	0.11
10/26/2020	XD	GWDP4XD34	0.25 U		0.05 U		151	2.5 U	16		76		8.5 M10		21	0.1 U
10/26/2020	XX	GW301XD26	0.25 U		0.05 U		147	2.5 U	17		76		6.8 M10		20	0.1 U
4/5/2021	XX	GW301XDB8	0.25 U		0.05 U		171	6.5	19		76		2 U		26	0.1 U
7/12/2021	XX	GW301XDJ0	0.25 U		0.05 U		152	2.5 U	17		74		16		21	0.1
10/4/2021	XD	GWDP4XE66	0.27		0.05 U		161	2.5 U	17		78		2 U		21	0.1 U
10/4/2021	XX	GW301XE58	0.2 U		0.05 U		163	2.5 U	18		76		2 U		22	0.1 U
4/25/2022	XD	GWDP4XF0I	0.25		0.05 U		154	2.5 U	18		76		1 U		21	0.1 U
4/25/2022	XX	GW301XF00	0.2 U		0.05 U		158	2.5 U	17		74		1 U		21	0.1 U
7/18/2022	XX	GW301XF7I	0.2 U		0.05 U		163	2.5 U	17		82		1 U		22	0.1 U
10/3/2022	XD	GWDP4XFIH	0.2 U		0.05 U		96	4 U	16		74		1 U		20	0.1 U
10/3/2022	XX	GW301XFHJ	0.2 U		0.05 U		88	4 U	3.9		75		1 U		8.5	0.1 U
4/17/2023	XD	GWDP4XGI8	0.5 U		0.05 U		148	2.5 U	19		71		1 U		23	0.1 U
4/17/2023	XX	GW301XGHA	0.5 U		0.054		149	2.5 U	17		73		1 U		22	0.1 U
7/10/2023	XX	GW301XH7C	0.2 U		0.062		168	2.5 U	17		75		1 U		23	0.1 U

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-301)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/2/2023	XD	GWDP4X05I	0.2 U		0.055		152	2.5 U	18		79		1 U		23	0.11
10/2/2023	XX	GW301X04J	0.2 U		0.061		152	2.5 U	18		83		1 U		24	0.11
4/1/2024	XD	GWDP4X128	0.2 U		0.05 U		145	8.3 U	19		63		1 U		25	0.1 U
4/1/2024	XX	GW301X11A	0.2 U		0.05 U		151	8.3 U	19		73		1 U		25	0.1 U
7/15/2024	XX	GW301X1CC	0.2 U		0.05 U		153	9.7	18		75		1 U		29	0.1 U
10/7/2024	XD	GWDP4X1J1	0.2 U		0.05 U		160	8.3 U	18		75		1 U		24	0.1
10/7/2024	XX	GW301X1I3	0.2 U		0.05 U		160	10	17		74		1 U		23	0.1

MW-303 & MW12-303R

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/27/2015	XX	GW303X799	0.5 U		0.5 U		533	4 U	9.5		87		4.3		57.2	0.1 U
6/18/2015	XX	42173-1	0.5 U	0.5 U	0.5 U		314	6	4.1		135	135	2 U	1 U	76.4	
7/13/2015	XX	GW303X7D1	0.6		2 U		221	4 U	3		130		2 U		39.4	0.19
10/26/2015	XX	GW303X7IA	0.5 U		0.5 U		214	4	4		136		2 U		39.4	0.1 U
4/4/2016	XX	GW303X870	0.5 U		0.05 U		236	4 U	18.2		103		6.4		48.8	0.1 U
7/25/2016	XX	GW303X8BA	0.5 U		5.9		326	4 U	10.6		130		4.1		51.8	0.2 U
10/24/2016	XX	GW303X8J9	1		2.4		391	38	32.8		152		11.6		71.3	0.2 U
4/17/2017	XX	GW303X97F	0.5 U		2.2		284	2.5 U	23		120		5.5		57	0.2 U
7/24/2017	XX	GW303X9DD	0.5 U		0.28		250	5 U	8.7		120		3.7		52	0.2 U
10/23/2017	XX	GW303X9H8	0.73		0.13		244	130	5.3		120		3.5		44	0.17
4/2/2018	XX	GW303XA37	0.63		1.5		1016	2.5	430		42		5.2		220	0.5 U
7/16/2018	XX	GW303XAC8	0.25 U		0.074		289	2.5 U	14		140		2 U		57	0.1 U
10/1/2018	XX	GW303XB16	0.34		0.072		265	37	5.7		120		2 U		45	0.1 U
4/22/2019	XX	GW303XB63	2		1		353	12	56		120		16		27	2.4
7/17/2019	XX	GW303XBCE	0.71		0.72		297	2.5 U	33		130		7.8		40	0.62
10/28/2019	XX	GW303XBI7	0.9		1.7		268	2.5 U	45		120		11		15	0.27
4/27/2020	XX	GW303XCDE	0.25 U		0.58		297	4.7	22		77		4.4		42	0.1 U
7/20/2020	XX	GW303XCI7	0.25 U		0.17		176	2.5 U	5.1		90		2 U		29	0.2 U
10/26/2020	XX	GW303XD3B	0.8		12		372	2.5 U	29		72		34 M10		77	0.1 U
4/5/2021	XX	GW303XDCD	0.49		1.9		294	5	26		69		4.3		59	0.2 U
7/12/2021	XX	GW303XE05	0.89		3.8		425	2.5 U	22		70		6.8		97	0.5 U
10/4/2021	XX	GW303XE6D	0.44		0.2		454	3	29		110		6.4		110	0.3 U
4/25/2022	XX	GW303XF15	0.36		0.78		205	15	26		62		4.7		35	0.1 U
7/18/2022	XX	GW303XF93	0.78		0.72		250	7.5	25		150		1.2		12	0.1 U
10/3/2022	XX	GW303XFJ4	0.42		1.1		180	4.8	28		120		4.1		34	0.1 U
4/17/2023	XX	GW303XGIF	0.5 U		1.3		242	22	25		150		2.2		12	0.1 U
7/10/2023	XX	GW303XH8H	0.24		0.61		200	3	22		100		4.3		14	0.1 U
10/2/2023	XX	GW303X064	0.32		0.39		187	8	25		110		4.5		12	0.1 U
4/1/2024	XX	GW303X12E	0.24		0.91		109	21	13		43		3.7		2.9	0.1 U
7/15/2024	XX	GW303X1DG	0.54		2.1		169	19	24		91		4.6		4.6	0.1 U
10/7/2024	XX	GW303X1J7	0.28		0.53		192	19	27		130		1.5		7.8	0.1 U

MW-401A

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/27/2015	XX	GW401A78H	0.6		0.5 U		89	4 U	4.1		60		2 U		3.8	0.1 U
7/13/2015	XX	GW401A7C9	0.5 U		1 U		99	4 U	3.7		59		2 U		4.1	0.1 U
10/26/2015	XX	GW401A7HI	0.5 U		0.5 U		87	4 U	4.1		59		2 U		2.7	0.1 U
4/27/2016	XX	GW401A868	0.5 U		0.1		91	4 U	4.2		59		2 U		2.4	0.1 U
7/25/2016	XX	GW401A8AI	0.5 U		0.05 U		90	4 U	3.8		63		2 U		2.2	0.2 U
10/24/2016	XX	GW401A8IH	0.5 U		0.1		98	4 U	4		58		2 U		2.2	0.2 U
4/17/2017	XX	GW401A973	0.5 U		0.05		95	2.5 U	3.7		62		2 U		2.3	0.2 U
7/24/2017	XX	GW401A9D1	0.5 U		0.1		89	7	4.7		63		2 U		2.7	0.2 U

(MW-401A)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/25/2017	XX	GW401A9GG	0.25 U		0.11		112	2.5 U	4.4		57		2 U		2.2	0.1 U
4/2/2018	XX	GW401AA2F	0.25 U		0.14		85	2.5 U	2.8		58		2 U		2.1	0.1 U
7/16/2018	XX	GW401AABG	0.25 U		0.14		89	2.5 U	4.7		60		2 U		3.1	0.1 U
10/1/2018	XX	GW401AB0E	0.25 U		0.083		91	2.5 U	4		61		2 U		2.8	0.1 U
4/22/2019	XX	GW401AB5B	0.25 U		0.1		91	2.5 U	4.5		61		2 U		3.4	0.1 U
7/15/2019	XX	GW401ABC3	0.25 U		0.1		92	2.5 U	4.3		62		2 U		3.8	0.1 U
10/28/2019	XX	GW401ABHG	0.25 U		0.12		98	2.5 U	5		61		2 U		4.9	0.1 U
4/27/2020	XX	GW401ACD3	0.25 U		0.16		106	2.5 U	5		63		2 U		4.8	0.1 U
7/20/2020	XX	GW401ACHG	0.25 U		0.05 U		97	2.5 U	4.9		61		2 U		5.3	0.1 U
10/26/2020	XX	GW401AD30	0.25 U		0.084		92	2.5 U	4		62		5 M10		4.6	0.1 U
4/5/2021	XX	GW401ADC2	0.25 U		0.11		98	3	4.7		62		2 U		6.1	0.11
7/12/2021	XX	GW401ADJE	0.25 U		0.091		101	2.5 U	4.2		62		9.6		6.2	0.1 U
10/4/2021	XX	GW401AE62	0.24		0.095		98	2.5 U	4		62		2 U		6.8	0.1 U
4/25/2022	XX	GW401AF0E	0.21		0.078		105	2.5 U	4.2		58		1 U		7.9	0.1 U
7/18/2022	XX	GW401AF8C	0.27		0.096		111	2.5 U	4		64		1 U		8.1	0.1 U
10/3/2022	XX	GW401AFID	0.2 U		0.12			4 U	16		62		1 U		21	0.1 U
10/3/2022	XX	GW401AFIDRR					77 H									
4/17/2023	XX	GW401AGI4	0.5 U		0.12		99	2.5 U	3.7		58		1 U		11	0.1 U
7/10/2023	XX	GW401AH86	0.2 U		0.11		118	2.5 U	4		60		1 U		13	0.1 U
10/2/2023	XX	GW401A05E	0.2 U		0.098		109	2.5 U	4.3		66		1 U		13	0.11
4/1/2024	XX	GW401A124	0.2 U		0.097		212	8.3 U	4.3		56		1 U		18	0.1 U
7/15/2024	XX	GW401A1D6	0.2 U		0.061		108	8.3 U	3.9		59		1 U		18	0.1 U
10/7/2024	XX	GW401A1IH	0.2 U		0.1		123	8.3 U	3.9		59		1 U		16	0.1 U

MW-401B

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/27/2015	XX	GW401B78I	0.5 U		0.5 U		177	4 U	10.9		126		2 U		11.3	0.18
4/27/2015	XD	GWDP4X791	0.5 U		0.5 U		170	4 U	11.3		123		2 U		11	0.18
7/13/2015	XX	GW401B7CA	0.5 U		1 U		205	4 U	10.7		146		2 U		13	0.16
7/13/2015	XD	GWDP4X7CD	0.5 U		2 U		208	4 U	10.3		144		2 U		11.7	0.25
10/26/2015	XX	GW401B7HJ	0.5 U		0.5 U		211	4 U	11.9		158		2 U		13.6	0.1 U
10/26/2015	XD	GWDP3X7HG	0.5 U		0.5 U		219	4 U	11.8		155		2 U		13.7	0.1 U
4/6/2016	XD	GWDP4X86C	0.5 U		0.05 U		177	4 U	11.7		124		2 U		11.5	0.1 U
4/6/2016	XX	GW401B869	0.5 U		0.05 U		185	4 U	11.8		127		2 U		11.8	0.1 U
7/25/2016	XX	GW401B8AJ	0.5 U		0.05 U		225	4 U	10.4		157		2 U		13.1	0.2
10/24/2016	XD	GWDP1X8I4	0.5 U		0.05 U		214	4 U	12.2		163		2 U		8.5	0.2
10/24/2016	XX	GW401B8II	1		0.05 U		213	4 U	12.5		158		2 U		8.9	0.2
4/17/2017	XD	GWDP4X977	0.5 U		0.05 U		183	7	11		130		2 U		9.5	0.2 U
4/17/2017	XX	GW401B974	0.5 U		0.05 U		196	5	11		140		2 U		9.4	0.2 U
7/24/2017	XX	GW401B9D2	0.5 U		0.05 U		180	5 U	12		150		2 U		12	0.2 U
10/25/2017	XD	GWDP1X9G3	0.25 U		0.07		235	2.5 U	13		150		2 U		6.9	0.19
10/25/2017	XX	GW401B9GH	0.25 U		0.05 U		226	2.5 U	13		150		2 U		6.5	0.21
4/2/2018	XD	GWDP4XA2J	0.25 U		0.092		192	2.5 U	6		150		2 U		5.5	0.16
4/2/2018	XX	GW401BA2G	0.25 U		0.069		176	2.5 U	5.9		130		2 U		6.4	0.14
7/16/2018	XX	GW401BABH	0.25 U		0.057		198	2.5 U	12		150		2 U		11	0.14
10/1/2018	XD	GWDP1XB01	0.25 U		0.058		214	2.5 U	11		160		2 U		6.2	0.19
10/1/2018	XX	GW401BB0F	0.25 U		0.05 U		213	2.7	11		160		2 U		6.3	0.2
4/22/2019	XD	GWDP4XB5F	0.25 U		0.05 U		156	2.5 U	12		120		2 U		6.9	0.16
4/22/2019	XX	GW401BB5C	0.25 U		0.05 U		166	2.5 U	12		120		2 U		6.4	0.14
7/15/2019	XD	GWDP4XBC7	0.25 U		0.05 U		175	2.7	11		140		2 U		8.7	0.17
7/15/2019	XX	GW401BBC4	0.25 U		0.21		167	2.5 U	11		130		2 U		9.1	0.15

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-401B)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/28/2019	XD	GWDP1XBH3	0.25 U		0.06		208	2.5	13		150		2 U		10	0.2
10/28/2019	XX	GW401BBHH	0.25 U		0.067		208	2.5 U	14		150		2 U		10	0.23
4/27/2020	XD	GWDP4XCD7	0.25 U		0.05 U		162	2.5 U	13		110		2 U		9	0.14
4/27/2020	XX	GW401BCD4	0.25 U		0.091		166	2.5 U	13		120		2 U		9.4	0.15
7/20/2020	XD	GWDP4XCI0	0.25 U		0.05 U		188	2.5 U	12		160		2 U		8.5	0.24
7/20/2020	XX	GW401BCHH	0.25 U		0.05 U		196	2.5 U	13		160		2 U		8.4	0.21
10/26/2020	XD	GWDP1XD27	0.25 U		0.05 U		208	2.5 U	11		160		32 M10		6.9	0.19
10/26/2020	XX	GW401BD31	0.25 U		0.051		211	2.5 U	11		160		23 M10		7.2	0.19
4/5/2021	XD	GWDP4XDC6	0.25 U		0.05 U		190	3	12		150		2 U		5	0.23
4/5/2021	XX	GW401BDC3	0.25 U		0.05 U		183	2.5	12		150		2 U		1 U	0.24
7/12/2021	XD	GWDP5XE1B	0.25 U		0.05 U		190	2.5 U	10		150		2 U		1.6	0.2
7/12/2021	XX	GW401BDJF	0.25 U		0.05 U		198	2.5 U	11		160		49		1.5	0.21
10/4/2021	XD	GWDP1XE59	0.2 U		0.05 U		203	2.5 U	11		160		2 U		4.8	0.17
10/4/2021	XX	GW401BE63	0.2 U		0.05 U		199	2.5 U	11		160		2 U		5	0.2
4/25/2022	XD	GWDP1XF01	0.2 U		0.05 U		195	2.5 U	9.7		150		1 U		4.7	0.18
4/25/2022	XX	GW401BF0F	0.5		0.05 U		190	2.5 U	10		150		1 U		4.5	0.18
7/18/2022	XD	GWDP5XFA8	0.2 U		0.06		201	2.5	9.2		160		1 U		4.5	0.19
7/18/2022	XX	GW401BF8D	0.2 U		0.05 U		210	2.5	9.7		160		1 U		4.7	0.18
10/3/2022	XD	GWDP1XFI0	0.2 U		0.05 U		140	4 U	9.3		160		1 U		4.2	0.18
10/3/2022	XX	GW401BFIE	0.41		0.05 U			4 U	10		160		1 U		5.3	0.18
10/3/2022	XX	GW401BFIERR					150 H									
4/17/2023	XD	GWDP1XGHB	0.5 U		0.05 U		186	2.5 U	10		150		1		5.2	0.17
4/17/2023	XX	GW401BGI5	0.5 U		0.051		180	2.5 U	10		150		1.1		5.4	0.16
7/10/2023	XD	GWDP5X004	0.2 U		0.053		192	2.5 U	10		140		1 U		4.5	0.2
7/10/2023	XX	GW401BH87	0.2 U		0.06		189	2.5 U	10		140		1 U		5.4	0.19
10/2/2023	XD	GWDP1X050	0.2 U		0.05 U		189	2.5 U	11		150		1		3.7	0.2
10/2/2023	XX	GW401B05F	0.2 U		0.05 U		193	2.5 U	11		160		1 U		3.9	0.25
4/1/2024	XD	GWDP1X11B	0.2 U		0.05 U		190	8.3 U	10		150		1 U		5.4	0.2
4/1/2024	XX	GW401B125	0.2 U		0.054		175	8.3 U	11		130		1 U		7.1	0.2
7/15/2024	XD	GWDP5X1F3	0.2 U		0.05 U		192	8.3 U	9.7		150		1.1		4.1	0.19
7/15/2024	XX	GW401B1D7	0.2 U		0.05 U		188	8.3 U	10		150		1 U		4.6	0.21
10/7/2024	XD	GWDP1X1I4	0.2 U		0.05 U		203	8.3 U	9.3		160		1.1		4.3	0.23
10/7/2024	XX	GW401B1II	0.2		0.05 U		208	8.3 U	9.8		160		1		4.1	0.22

MW-402A

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/29/2015	XX	GW402A78J	0.5 U		0.5 U		79	4 U	9.1		57		2 U		2.1	0.1 U
7/15/2015	XX	GW402A7CB	0.5 U		2 U		91	4 U	8.4		56		2 U		1.5	0.1 U
10/28/2015	XX	GW402A7I0	0.5 U		0.5 U		91	4 U	8.8		54		2 U		2.2	0.1 U
4/27/2016	XX	GW402A86A	0.5 U		0.06		86	4 U	8.8		57		2 U		2.1	0.1 U
7/27/2016	XX	GW402A8B0	0.5 U		0.05		86	4 U	7.8		55		2 U		1.6	0.2 U
10/26/2016	XX	GW402A8IJ	0.5 U		0.05		95	4 U	8.8		53		2 U		1.8	0.2 U
4/19/2017	XX	GW402A975	0.5 U		0.05 U		94	2.5 U	6.3		56		2 U		1.4	0.2 U
7/26/2017	XX	GW402A9D3	0.5 U		0.05 U		78	2.5 U	9.6		54		2 U		1.9	0.2 U
10/26/2017	XX	GW402A9GI	0.25 U		0.1		100	2.5 U	9.5		51		2 U		1.6	0.1 U
4/4/2018	XX	GW402AA2H	0.5 U		0.11		90	2.5 U	6.1		59		2 U		1.6	0.1 U
7/18/2018	XX	GW402AABI	0.27		0.065		81	2.5 U	8.4		54		2 U		1.4	0.1 U
10/3/2018	XX	GW402AB0G	0.25 U		0.059		95	2.5 U	8.8		54		2 U		1.7	0.1 U
4/24/2019	XX	GW402AB5D	0.25 U		0.06		87	2.5 U	9.2		55		2 U		1.5	0.1 U
7/17/2019	XX	GW402ABC5	0.25 U		0.064		90	2.5 U	8.8		55		2 U		1.4	0.1 U
10/30/2019	XX	GW402ABHI	0.25 U		0.062		83	2.5 U	11		57		2 U		1.7	0.1 U

DATA SUMMARY TABLE

Inorganics Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-402A)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/29/2020	XX	GW402ACD5	0.25 U		0.085		76	2.5 U	9.6		56		2 U		1.7	0.1 U
7/22/2020	XX	GW402ACHI	0.25 U		0.051		80	2.5 U	9.3		57		2 U		1.8	0.1 U
10/28/2020	XX	GW402AD32	0.25 U		0.057		75	2.5 U	8.3		55		4.8 M10		1.4	0.1 U
4/7/2021	XX	GW402ADC4	0.25 U		0.05 U		94	2.5 U	7.8		60		2 U		1.3	0.1 U
7/14/2021	XX	GW402ADJG	0.25 U		0.059		84	2.5 U	8.9		54		2 U		1.8	0.1 U
10/4/2021	XX	GW402AE64	0.2 U		0.05 U		87	2.5 U	8.9		56		2 U		1.8	0.1 U
4/25/2022	XX	GW402AF0G	0.2 U		0.052		89	2.5 U	8		55		1 U		1.7	0.1 U
7/20/2022	XX	GW402AF8E	0.2 U		0.072		96	2.5 U	8.4		56		1 U		2	0.1 U
10/3/2022	XX	GW402AFIF	0.2 U		0.069			4 U	8		58		1 U		1.8	0.1 U
10/3/2022	XX	GW402AFIFRR					45 H									
4/17/2023	XX	GW402AGI6	0.5 U		0.093		78	2.5 U	7.9		53		1 U		2	0.1 U
7/10/2023	XX	GW402AH88	0.2 U		0.091		94	2.5 U	8		54		1 U		2.1	0.1 U
10/2/2023	XX	GW402A05G	0.2 U		0.093		55	2.5 U	8.3		59		1 U		2.1	0.1 U
4/1/2024	XX	GW402A126	0.2 U		0.088		85	8.3 U	9.8		53		1 U		2.4	0.1 U
7/15/2024	XX	GW402A1D8	0.2 U		0.05 U		79	8.3 U	7.8		55		1 U		2.3	0.1 U
10/7/2024	XX	GW402A1IJ	0.2 U		0.074		88	8.3 U	7.3		56		1 U		2.1	0.1 U
MW-402B																
4/29/2015	XX	GW402B790	0.5 U		0.5 U		92	4 U	10.1		68		2 U		2	0.1 U
7/15/2015	XX	GW402B7CC	0.5 U		2 U		98	4 U	9.6		67		2 U		1.9	0.1 U
10/28/2015	XX	GW402B7I1	0.5 U		0.5 U		95	4 U	9.9		67		2 U		2.4	0.1 U
4/27/2016	XX	GW402B86B	0.5 U		0.05 U		94	4 U	9.8		68		2 U		2.1	0.1 U
7/27/2016	XX	GW402B8B1	0.5 U		0.05 U		94	4 U	8.8		66		2 U		1.7	0.2 U
10/26/2016	XX	GW402B8J0	0.5 U		0.05 U		105	8	9.8		66		2 U		2	0.2 U
4/19/2017	XX	GW402B976	0.5 U		0.06		96	2.5 U	6.5		68		2 U		1.6	0.2 U
7/26/2017	XX	GW402B9D4	0.5 U		0.05 U		88	2.5 U	11		67		2 U		2	0.2 U
10/26/2017	XX	GW402B9GJ	0.25 U		0.05		113	2.5 U	10		64		2 U		1.7	0.1 U
4/4/2018	XX	GW402BA2I	0.25 U		0.091		104	8	6.2		69		2 U		1.5	0.1 U
7/18/2018	XX	GW402BABJ	0.36		0.05 U		91	9.3	9.3		69		2 U		1.8	0.1 U
10/3/2018	XX	GW402BB0H	0.25 U		0.05 U		106	2.5 U	9.9		66		2 U		1.8	0.1 U
4/24/2019	XX	GW402BB5E	0.25 U		0.05 U		88	2.5 U	9.8		65		2 U		1.5	0.1 U
7/17/2019	XX	GW402BBC6	0.25 U		0.05 U		93	2.5 U	9.7		67		2 U		1.3	0.1 U
10/30/2019	XX	GW402BBHJ	0.25 U		0.05 U		88	2.5 U	2.6		69		2 U		18	0.11
4/29/2020	XX	GW402BCD6	0.25 U		0.059		79	2.5 U	11		68		2 U		1.4	0.1 U
7/22/2020	XX	GW402BCHJ	0.39		0.071		81	3.3	10		67		2 U		1.5	0.1 U
10/28/2020	XX	GW402BD33	0.25 U		0.05 U		85	2.5 U	9.3		72		6.1 M10		1.2	0.1 U
4/7/2021	XX	GW402BDC5	0.25 U		0.05 U		96	2.5 U	8.4		71		2 U		1.1	0.1 U
7/14/2021	XX	GW402BDJH	0.25 U		0.05 U		93	2.5 U	10		67		2 U		1.3	0.1 U
10/4/2021	XX	GW402BE65	0.2 U		0.05 U		93	35	9.7		69		2 U		1.3	0.1 U
4/25/2022	XX	GW402BF0H	0.41		0.05 U		93	2.5 U	8.9		65		1 U		1.2	0.1 U
7/20/2022	XX	GW402BF8F	0.2 U		0.05 U		122	2.5 U	8.9		85		1 U		2	0.1 U
10/3/2022	XX	GW402BFIG	0.2 U		0.054			4 U	9.8		69		1 U		1.2	0.1 U
10/3/2022	XX	GW402BFIGRR					66 H									
4/17/2023	XX	GW402BGI7	0.5 U		0.05 U		81	24	8.7		67		1 U		1.3	0.1 U
7/10/2023	XX	GW402BH89	0.2 U		0.054		102	7	9		66		1 U		1.4	0.1 U
10/2/2023	XX	GW402B05H	0.2 U		0.05 U		91	2.5 U	9.4		74		1 U		1.5	0.1 U
4/1/2024	XX	GW402B127	0.2 U		0.05 U		88	8.3 U	11		66		1 U		1.4	0.1 U
7/15/2024	XX	GW402B1D9	0.2 U		0.05 U		84	11	8.9		64		1 U		1.5	0.1 U
10/7/2024	XX	GW402B1J0	0.2 U		0.05 U		93	8.3 U	8.3		68		1 U		1.2	0.1 U

(MW-501)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
MW-501																
4/5/2018	XX	GW501XA6I	0.25 U	0.5 U	0.25	0.04 U	130	2.5 U	9.8	0.1 U		83	2 U	2 U	8.3	0.1 U
6/4/2018	XX	GW501XA7F	0.25 U	0.5 U	0.18	0.04 U	131	2.5 U	2.9	0.1 U		84	2 U	1 U	10	0.1 U
7/19/2018	XX	GW501XAED	0.33		0.24		151	2.5 U	2.5			92	2 U	1 U	10	0.1 U
8/20/2018	XX	GW501XAFE	0.25 U		0.21		157	2.5 U	2.8			100	2 U		11	0.1 U
4/24/2019	XX	GW501XB7C	0.25 U		0.43		190	2.5 U	2.9		140		2 U		10	0.12
7/17/2019	XX	GW501XBE0	0.25 U		0.25		117	2.5 U	2.5		75		6.4		9	0.1 U
10/30/2019	XX	GW501XBJ9	0.25 U		0.57		247	2.5 U	47		170		2 U		2.4	0.1 U
4/29/2020	XX	GW501XCF0	0.25 U		0.21		105	2.5 U	3		72		2 U		12	0.1 U
7/22/2020	XX	GW501XCJD	0.25 U		0.077		214	2.5 U	3		130		2 U		24	0.1
10/28/2020	XX	GW501XD4D	0.25 U		0.29		208	2.5 U	2.9		150		22 M10		23	0.1 U
4/7/2021	XX	GW501XDDH	0.25 U		0.22	0.04 U	167	2.5 U	2 U		110		2 U	2 U	15	0.1 U
7/14/2021	XX	GW501XE18	0.25 U	0.5 U	0.26		153	2.5 U	3.6	0.1 U		100	2 U		15	0.1 U
10/6/2021	XX	GW501XE8A	0.2 U	0.5 U	0.33		161	2.5 U	3.2	0.1 U		96	2 U		14	0.1 U
4/27/2022	XX	GW501XF2G	0.2 U	0.5 U	0.32		179	2.5 U	3.9	0.1 U		110	1 U		13	0.1 U
7/20/2022	XX	GW501XFA6	0.2 U	0.5 U	0.32		170	2.5 U	3.7	0.1 U		100	1 U		14	0.1 U
10/5/2022	XX	GW501XG0F	0.42	0.5 U	0.45		160	4 U	3.8	0.1 U		100	1 U		13	0.1 U
4/19/2023	XX	GW501XH06	0.2 U	0.5 U	0.44		163	2.5 U	4.3	0.1 U		120	1 U		14	0.1 U
7/12/2023	XX	GW501X002	0.2 U	0.5 U	0.39		186	2.5 U	5.7	0.1 U		120	1 U		13	0.1 U
10/4/2023	XX	GW501X07B	0.26	0.5 U	0.25		181	2.5 U	4.5	0.1 U		120	1 U		12	0.1 U
4/10/2024	XX	GW501X140	0.2 U	0.5 U	0.22		198	8.3 U	5.7	0.1 U		120	1 U		12	0.1 U
7/17/2024	XX	GW501X1EJ	0.2 U	0.5 U	0.2		181	8.3 U	5.3	0.1 U		120	1.5		13	0.1 U
10/9/2024	XX	GW501X20D	0.2 U	0.5 U	0.29		187	8.3 U	4.4	0.1 U		120	1 U		15	0.1 U
MW-502																
2/26/2020	XD	GWDP1XC52	0.25 U	0.5 U	0.25		163	2.5 U	2 U	0.1 U		100	2 U		21	0.14
2/26/2020	XX	GW502XC55	0.25 U	0.5 U	0.23		166	2.5 U	2 U	0.1 U		120	2 U		21	0.14
4/30/2020	XX	GW502XCBJ	0.25 U	0.5 U	0.1		175	2.5 U	4.9	0.1 U		110	2 U		19	0.22
6/23/2020	XX	GW502XCGB	0.25 U	0.5 U	0.18		183	2.5 U	4.4	0.1 U		120	2 U		20	0.15
8/20/2020	XX	GW502XD1I	0.25 U	0.5 U	0.17		176	2.5 U	4.5	0.1 U		120	2 U		20	0.17
7/14/2021	XX	GW502XE23	0.25 U	0.5 U	0.05 U		234	3	4.2	0.1 U		190	2 U		13	0.33
10/7/2021	XX	GW502XE8B	0.2 U	0.5 U	0.069		250	2.5 U	3.6	0.1 U		190	2 U		14	0.29
4/27/2022	XX	GW502XF2H	0.75	0.5 U	0.16		204	2.5 U	3.4	0.1 U		120	1 U		17	0.16
7/20/2022	XX	GW502XFAI	0.2 U	0.5 U	0.077		223	2.5 U	4	0.1 U		160	1 U		17	0.26
10/5/2022	XX	GW502XG0G	0.49	0.5 U	0.16		250	4 U	4.7	0.1 U		200	1		15	0.31
4/19/2023	XX	GW502XH07	0.2 U	0.5 U	0.23		179	3	4.3	0.1 U		130	1 U		19	0.18
7/12/2023	XX	GW502X00E	0.2 U	0.5 U	0.26		214	4	4.3	0.1 U		150	1 U		18	0.2
10/4/2023	XX	GW502X07C	0.2 U	0.5 U	0.2		196	2.5 U	3.9	0.1 U		140	1 U		17	0.18
4/10/2024	XX	GW502X141	0.2 U	0.5 U	0.2		215	8.3 U	4.6	0.1 U		140	1 U		20	0.22
7/18/2024	XX	GW502X1FD	0.2 U	0.5 U	0.05 U		201	8.3 U	4.4	0.1 U		140	1 U		19	0.23
10/9/2024	XX	GW502X20E	0.2 U	0.5 U	0.12		200	8.3 U	4.5	0.1 U		150	1 U		15	0.2
MW-503																
2/9/2021	XX	GW503XD9A	0.25 U	0.5 U	0.12	0.04 U	140	2.5 U	12	0.1 U		90	2 U	2 U	17	0.1 U
4/8/2021	XX	GW503XDA9	0.25 U	0.5 U	0.093	0.04 U	153	2.5 U	8.6	0.1 U		85	2 U	2 U	17	0.1 U
6/8/2021	XX	GW503XDGC	0.25 U	0.5 U	0.15	0.04 U	147	2.5 U	7.9	0.1 U		91	2 U	2 U	13	0.1 U
8/19/2021	XX	GW503XE46	0.2 U	0.5 U	0.11	0.04 U	151	2.5 U	8.6	0.1 U		90	2 U	2 U	14	0.1 U
10/7/2021	XX	GW503XE96	0.2 U	0.5 U	0.11		147	2.5 U	7.4	0.1 U		83	2 U		14	0.1 U
4/27/2022	XX	GW503XF3B	0.58	0.5 U	0.11		153	2.5 U	7.3	0.1 U		96	1 U		11	0.1 U

DATA SUMMARY TABLE

Inorganics Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-503)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
7/20/2022	XX	GW503XFB5	0.2 U	0.5 U	0.09		164	2.5 U	6.9	0.1 U		120	1 U		6.1	0.1 U
10/5/2022	XX	GW503XG1A	0.41	0.5 U	0.15		250	4 U	6.8	0.1 U		110	1 U		6.4	0.1 U
4/20/2023	XX	GW503XH11	0.2 U	0.5 U	0.11		135	2.5 U	7.2	0.1 U		110	1 U		7.6	0.1 U
7/13/2023	XX	GW503X011	0.2 U	0.5 U	0.13		134	2.5 U	7.7	0.1 U		94	1 U		10	0.1 U
10/4/2023	XX	GW503X086	0.2 U	0.5 U	0.083		141	2.5 U	6.9	0.1 U		110	1 U		6.9	0.1 U
4/10/2024	XX	GW503X14F	0.2 U	0.5 U	0.087		155	8.3 U	9.4	0.1 U		93	1 U		11	0.1 U
7/18/2024	XX	GW503X1G0	0.2	0.5 U	0.077		136	8.3 U	9.8	0.1 U		77	1 U		16	0.1 U
10/9/2024	XX	GW503X218	0.2 U	0.5 U	0.074		135	8.3 U	8.5	0.1 U		86	1 U		11	0.1 U

MW-504

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
2/9/2021	XD	GWDP1XD94	0.25 U	0.5 U	0.075	0.07	108	6	14	0.1 U		63	2 U	2 U	3.3	0.1 U
2/9/2021	XX	GW504XD9B	0.25 U	0.5 U	0.072	0.06	101	4	14	0.1 U		65	2 U	2 U	3.2	0.1 U
4/7/2021	XX	GW504XDAA	0.25 U	0.5 U	0.05 U	0.06	92	4.5	6.3	0.1 U		64	2 U	2 U	1.1	0.1 U
6/9/2021	XD	GWDP1XDG9	0.25 U	0.5 U	0.077	0.06	108	5	6.2	0.1 U		63	2 U	2 U	1.3	0.1 U
6/9/2021	XX	GW504XDGD	0.25 U	0.5 U	0.091	0.05	112	25	6.2	0.1 U		63	2 U	2 U	1.3	0.1 U
8/19/2021	XX	GW504XE47	0.2 U	0.5 U	0.08	0.07	97	6.3	5.8	0.1 U		62	2 U	2 U	1.4	0.1 U
10/7/2021	XD	GWDP6XE9A	0.26	0.5 U	0.072		99	22	5.1	0.1 U		59	2 U		1.2	0.1 U
10/7/2021	XX	GW504XE97	0.26	0.5 U	0.05 U		101	3.7	6.3	0.1 U		63	2 U		1.2	0.1 U
4/27/2022	XD	GWDP6XF3F	0.2 U	0.5 U	0.081		88	27	4.7	0.1 U		56	1 U		1.1	0.1 U
4/27/2022	XX	GW504XF3C	1.5	0.5 U	0.078		92	34	5.4	0.1 U		58	1 U		1.1	0.1 U
7/21/2022	XX	GW504XFB6	!	!	!		!	!	!	!		!	!		!	!
10/5/2022	XD	GWDP6XG1E	0.2 U	0.5 U	0.14		120	24	5.7	0.1 U		61	1 U		1.1	0.1 U
10/5/2022	XX	GW504XG1B	1.8	0.5 U	0.22		15	110	5.4	0.2 U		58	1 U		1.2	0.1 U
4/20/2023	XD	GWDP6XH15	0.2 U	0.5 U	0.082		79	4.5	6.5	0.1 U		60	1 U		1.3	0.1 U
4/20/2023	XX	GW504XH12	0.2 U	0.5 U	0.09		77	26	6	0.1 U		59	1 U		1.3	0.1 U
7/13/2023	XX	GW504X012	0.2 U	0.5 U	0.064		87	2.5 U	5.9	0.1 U		58	1 U		1.3	0.1 U
10/5/2023	XD	GWDP6X08A	0.2 U	0.5 U	0.091		88	2.5 U	6.1	0.1 U		66	1 U		1.2	0.1 U
10/5/2023	XX	GW504X087	0.2 U	0.5 U	0.091		88	2.5 U	6.4	0.1 U		66	1 U		1.2	0.1 U
4/11/2024	XD	GWDP6X14J	0.2 U	0.5 U	0.073		96	8.3 U	6.9	0.1 U		65	1 U		1.3	0.1 U
4/11/2024	XX	GW504X14G	0.2 U	0.5 U	0.078		103	8.3 U	7.6	0.1 U		64	1 U		1.3	0.1 U
7/18/2024	XX	GW504X1G1	0.2 U	0.5 U	0.05 U		88	8.3 U	6.9	0.1 U		59	1 U		1.3	0.1 U
10/10/2024	XD	GWDP6X21C	0.2 U	0.5 U	0.085		93	8.3 U	6.3	0.1 U		65	1 U		1.2	0.1 U
10/10/2024	XX	GW504X219	0.2 U	0.5 U	0.069		91	8.3 U	7.1	0.1 U		64	1 U		1.2	0.1 U

MW-505

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
2/10/2021	XX	GW505XD9C	0.25 U	0.5 U	0.057	0.04 U	237	4	55	0.1 U		110	3.5	4	22	0.1 U
4/8/2021	XX	GW505XDAB	0.25 U	0.5 U	0.05 U	0.04 U	208	2.5 U	45	0.26		96	2.3	3	11	0.1 U
6/9/2021	XX	GW505XDGE	0.25 U	0.5 U	0.062	0.04	174	2.5 U	37	0.25		88	2 U	3 *	6.5	0.1 U
8/18/2021	XX	GW505XE48	0.29	0.5 U	0.05 U	0.05	198	2.5 U	48	0.61		92	2 U	3	12	0.1 U
10/7/2021	XX	GW505XE98	0.2 U	0.5 U	0.065		202	2.7	47	0.35		94	2 U		11	0.1 U
4/27/2022	XX	GW505XF3D	0.2 U	0.5 U	0.05 U		189	3	40	0.32		94	2.3		6	0.1 U
7/21/2022	XX	GW505XFB7	0.2 U	0.5 U	0.05 U		160	2.5 U	35	0.17		90	1.5		4.2	0.1 U
10/5/2022	XX	GW505XG1C	0.26	0.5 U	0.16		63	4 U	28	0.1 U		93	1.3		3.3	0.1 U
4/20/2023	XX	GW505XH13	0.2 U	0.5 U	0.05 U		141	2.5 U	24	0.17		91	1.4		2.5	0.1 U
7/13/2023	XX	GW505X013	0.2 U	0.5 U	0.067		136	2.5 U	22	0.16		92	1.2		2.3	0.1 U
10/4/2023	XX	GW505X088	0.2 U	0.5 U	0.05 U		137	2.5 U	21	0.13		90	1.3		2.1	0.1 U
4/11/2024	XX	GW505X14H	0.2 U	0.5 U	0.05 U		143	8.3 U	20	0.19		89	1.3		1.9	0.1 U
7/18/2024	XX	GW505X1G2	0.2 U	0.5 U	0.05 U		146	8.3 U	36	0.28		82	1.8		2.5	0.1 U
10/9/2024	XX	GW505X21A	0.2 U	0.5 U	0.05 U		136	8.3 U	21	0.19		87	1.5		2	0.1 U

DATA SUMMARY TABLE

Inorganics Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-506)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
MW-506																
2/18/2021	XX	GW506XD9D	0.25 U	0.5 U	0.057	0.06	802	20	340	0.1 U		120	25	21	57	0.5 U
4/8/2021	XX	GW506XDAC	0.82	0.5 U	0.05 U	0.05	628	24	2 U	0.1 U		140	19	23	44	0.1 U
6/8/2021	XX	GW506XDGF	F16	F16	F16	F16	F16	F16	F16	F16		F16	F16	F16	F16	F16
7/14/2021	XX	GW506XE38	0.25 U	0.5 U	0.05 U	0.07	487	14	180	0.57		130	14	18	23	0.1 U
9/1/2021	XX	GW506XE49	0.27	0.5 U	0.06	0.05	499	2.5 U	160	1.5		140	15	18	20	0.1 U
10/7/2021	XX	GW506XE99	0.2 U	0.5 U	0.05 U		490	3	170	0.75		140	13		19	0.1 U
4/27/2022	XX	GW506XF3E	0.61	0.5 U	0.057		410	130	130	1		140	11		14	0.3 U
7/18/2022	XX	GW506XFB8	2.2	0.5 U	0.05 U		360	47	100	0.44		140	13		8.8	0.1 U
10/5/2022	XX	GW506XG1D	3.8	0.5 U	0.17		270	61	110	0.23		140	5.7		7.1	0.1 U
4/18/2023	XX	GW506XH14	0.92	0.5 U	0.27		235	75	53	0.18		130	8.6		6.1	0.1 U
7/11/2023	XX	GW506X014	0.2 U	0.5 U	0.058		264	16	42	0.23		130	2.8		4.2	0.1 U
10/4/2023	XX	GW506X089	0.27	0.5 U	0.05 U		193	6.3	33	0.25		130	3.9		4	0.1 U
4/10/2024	XX	GW506X14I	!	!	!		!	!	!	!		!	!		!	!
7/17/2024	XX	GW506X1G3	!	!	!		!	!	!	!		!	!		!	!
10/9/2024	XX	GW506X21B	!	!	!		!	!	!	!		!	!		!	!
MW-507																
4/5/2018	XX	GW507XA6J	0.25 U	0.5 U	0.088	0.04 U	106	2.5 U	2 U	0.1 U		61	2 U	2 U	6.9	0.1 U
6/5/2018	XX	GW507XA7G	0.25 U	0.5 U	0.079	0.04 U	161	2.5 U	3.4	0.1 U		69	2 U	1 U	25	0.1 U
7/18/2018	XX	GW507XAEE	0.25 U		0.05 U		164	2.5 U	3.7			74	2 U	1 U	29	0.1 U
8/20/2018	XX	GW507XAFF	0.25 U		0.05 U		177	2.5 U	4.3			85	2 U		28	0.1 U
7/14/2021	XX	GW507XE24	0.25 U	0.5 U	0.065		236	2.5 U	3.4	0.1 U		84	2 U		43	0.1 U
10/7/2021	XX	GW507XE8C	0.2 U	0.5 U	0.05 U		451	2.7	3.6	0.1 U		78	2 U		17	0.1 U
4/27/2022	XX	GW507XF2I	0.24	0.5 U	0.051		69	4.7	3.1	0.1 U		47	1 U		1.2	0.1 U
7/20/2022	XX	GW507XFAJ	0.2 U	0.5 U	0.061		190	2.5 U	2.9	0.1 U		86	1 U		37	0.1 U
10/5/2022	XX	GW507XG0H	0.37	0.5 U	0.21		150	4 U	3.3	0.1 U		110	1 U		37	0.1 U
4/19/2023	XX	GW507XH08	0.2 U	0.5 U	0.051		65	2.5	3.3	0.1 U		48	1 U		1.7	0.1 U
7/13/2023	XX	GW507X00F	0.2 U	0.5 U	0.096		89	2.5 U	3.6	0.1 U		59	1 U		4	0.1 U
10/5/2023	XX	GW507X07D	0.22	0.5 U	0.064		132	2.5 U	3.2	0.1 U		85	1 U		15	0.1 U
4/10/2024	XX	GW507X142	0.2 U	0.5 U	0.05 U		139	8.3 U	3.4	0.1 U		75	1 U		14	0.1 U
7/17/2024	XX	GW507X1FE	0.2 U	0.5 U	0.05 U		202	8.3 U	2.9	0.1 U		97	1 U		34	0.1 U
10/8/2024	XX	GW507X20F	0.2 U	0.5 U	0.051		203	8.3 U	3.2	0.1 U		110	1 U		34	0.1 U
MW-508																
10/5/2022	XX	GW508XG2E	0.48	0.5 U	0.42		150	4 U	16	0.1 U		110	1 U		29	0.1 U
1/24/2023	XX	GW508XGBF	F	F	F		F	F	F	F		F	F		F	F
3/30/2023	XX	GW508XGH2	0.2 U	0.5 U	0.26		209	20	12	0.1 U		110	1 U		26	0.1 U
4/19/2023	XX	GW508XH1H	0.2 U	0.5 U	0.23		202	3	12	0.1 U		110	1 U		24	0.1 U
6/19/2023	XX	GW508XH5H	0.2 U	0.5 U	0.2		189	2.5 U	11	0.1 U		110	1 U		23	0.1 U
7/13/2023	XX	GW508X01I	0.2 U	0.5 U	0.24		185	2.5 U	11	0.1 U		110	1 U		23	0.1 U
10/4/2023	XD	GWDP5X07F	0.2 U	0.5 U	0.18		182	2.5 U	11	0.1 U		120	1 U		21	0.1 U
10/4/2023	XX	GW508X090	0.2 U	0.5 U	0.18		179	2.5 U	11	0.1 U		110	1 U		19	0.1 U
4/10/2024	XD	GWDP5X144	0.2 U	0.5 U	0.15		198	8.3 U	12	0.1 U		110	1 U		19	0.1 U
4/10/2024	XX	GW508X157	0.2 U	0.5 U	0.16		194	8.3 U	12	0.1 U		110	1 U		22	0.1 U
7/17/2024	XX	GW508X1GG	0.2 U	0.5 U	0.11		171	8.3 U	12	0.1 U		110	1 U		15	0.1 U
10/10/2024	XD	GWDP5X20H	0.2 U	0.5 U	0.19		181	8.3 U	13	0.1 U		120	1 U		15	0.1 U
10/10/2024	XX	GW508X220	0.2 U	0.5 U	0.15		178	8.3 U	14	0.1 U		120	1 U		14	0.1 U
OW-06-03																

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(OW-06-03)

Date	Type	Sample ID	Total Kjeldahl Nitrogen (mg/L)	Ammonia (N) (mg/L)	Nitrite/Nitrate - (N) (mg/L)	Total Phosphorus (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Bicarbonate Alkalinity (CaCO3) (mg/L)	Alkalinity (CaCO3) (mg/L)	Organic Carbon (mg/L)	Biochemical Oxygen Demand (mg/L)	Chloride (mg/L)	Bromide (mg/L)
4/10/2018	XX	GWXXXXA73	0.25 U	0.5 U	0.1	0.04 U	84	2.5 U	2.1	0.1 U		65	2	4	1.6	0.58
6/5/2018	XX	GWXXXXA80	I	I	I	I	I	I	I	I		I	I	I	I	I
7/19/2018	XX	GWXXXXAEI	I		I		I	I	I			I	I	I	I	I
8/21/2018	XX	GWXXXXAFH	I		I		I	I	I			I	I		I	I
7/18/2019	XX	GWXXXXBDJ	I		I		I	I	I		I		I		I	I
7/20/2020	XX	GWXXXXCJC	I		I		I	I	I		I		I		I	I
7/14/2021	XX	GWXXXXE17	8.4	6.7	0.05 U		491	16	12	5 U		270	68		6.3	0.51
7/20/2022	XX	GWXXXXFA5	I	I	I		I	I	I	I		I	I		I	I
7/12/2023	XX	GWXXXX001	D	D	D		D	D	D	D		D	D		D	D
7/18/2024	XX	GWXXXX1EI	I	I	I		I	I	I	I		I	I		I	I

OW-601A

Date	Type	Sample ID	Total Kjeldahl Nitrogen (mg/L)	Ammonia (N) (mg/L)	Nitrite/Nitrate - (N) (mg/L)	Total Phosphorus (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Bicarbonate Alkalinity (CaCO3) (mg/L)	Alkalinity (CaCO3) (mg/L)	Organic Carbon (mg/L)	Biochemical Oxygen Demand (mg/L)	Chloride (mg/L)	Bromide (mg/L)
4/11/2018	XX	GW601AA69	0.25 U	0.5 U	0.3	0.22	180	7100	2.1	0.1 U		120	2 U	1 U	16	0.17
6/6/2018	XX	GW601AA76	0.25 U	0.5 U	0.18	0.1	198	230	6.1	0.1 U		120	2 U	1 U	24	0.13
7/19/2018	XX	GW601AAE4	0.3		0.3		209	13	6.8			130	2 U	1 U	18	1.1
8/22/2018	XX	GW601AAF5	0.25 U		0.19		212	2.5 U	7			130	2 U		27	0.15
7/18/2019	XX	GW601ABB6	0.86		0.33		234	2.5 U	11		140		2 U		26	0.18
7/22/2020	XX	GW601ACGJ	0.25 U		0.45		225	57	25		150		2 U		20	0.13
7/12/2021	XX	GW601ADIH	0.25 U	0.5 U	0.41		244	2.5 U	6.7	0.1 U		160	42		22	0.19
7/21/2022	XX	GW601AF7F	0.2 U	0.5 U	0.62		264	2.5 U	15	0.1 U		170	1 U		26	0.24
7/12/2023	XX	GW601AH79	0.2 U	0.5 U	0.58		261	2.5 U	8.2	0.1 U		170	1 U		31	0.21
7/18/2024	XX	GW601A1C9	0.2 U	0.5 U	0.26		171	8.3 U	12	0.1 U		120	1		12	0.1 U

OW-601B

Date	Type	Sample ID	Total Kjeldahl Nitrogen (mg/L)	Ammonia (N) (mg/L)	Nitrite/Nitrate - (N) (mg/L)	Total Phosphorus (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Bicarbonate Alkalinity (CaCO3) (mg/L)	Alkalinity (CaCO3) (mg/L)	Organic Carbon (mg/L)	Biochemical Oxygen Demand (mg/L)	Chloride (mg/L)	Bromide (mg/L)
4/11/2018	XX	GW601BA6A	0.25 U	0.5 U	0.42	0.04 U	184	5.7	2 U	0.1 U		120	2 U	1 U	22	0.21
6/6/2018	XX	GW601BA77	0.25 U	0.5 U	0.25	0.04 U	196	6.5	2.6	0.1 U		110	2 U	1 U	31	0.16
7/19/2018	XX	GW601BAE5	0.25 U		0.58		224	2.5 U	3			98	2 U	1 U	41	0.21
8/22/2018	XX	GW601BAF6	0.25 U		0.49		277	16	10 U			88	2 U		61	0.5 U
7/18/2019	XX	GW601BBDF	0.25 U		0.51		213	3.3	3.1		120		2 U		26	0.2
7/22/2020	XX	GW601BCJ8	0.25 U		0.23		263	2.5 U	4 U		92		2 U		44	0.24
7/12/2021	XD	GWDP4XDJI	0.25 U	0.5 U	0.58		250	2.5 U	2.7	0.1 U		110	2 U		42	0.26
7/12/2021	XX	GW601BE13	0.25 U	0.5 U	0.58		242	2.5 U	2.3	0.1 U		110	55		42	0.25
7/21/2022	XD	GWDP4XF8G	0.2 U	0.5 U	0.67		232	2.5 U	2.9	0.1 U		110	1 U		45	0.27
7/21/2022	XX	GW601BFA1	0.2 U	0.5 U	0.34		237	11	2.1	0.1 U		110	1 U		48	0.3
7/12/2023	XD	GWDP4XH8A	0.2 U	0.5 U	0.7		232	2.5 U	2	0.1 U		120	1 U		40	0.21
7/12/2023	XX	GW601BH9F	0.2 U	0.5 U	0.64		229	2.5 U	2.5	0.1 U		120	1 U		41	0.21
7/18/2024	XD	GWDP4X1DA	0.2 U	0.5 U	0.55		214	8.3 U	2.3	0.1 U		120	1 U		39	0.18
7/18/2024	XX	GW601B1ED	0.2 U	0.5 U	0.53		206	8.3 U	2.3	0.1 U		110	1 U		36	0.2

OW-602A

Date	Type	Sample ID	Total Kjeldahl Nitrogen (mg/L)	Ammonia (N) (mg/L)	Nitrite/Nitrate - (N) (mg/L)	Total Phosphorus (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Bicarbonate Alkalinity (CaCO3) (mg/L)	Alkalinity (CaCO3) (mg/L)	Organic Carbon (mg/L)	Biochemical Oxygen Demand (mg/L)	Chloride (mg/L)	Bromide (mg/L)
4/11/2018	XX	GW602AA6B	0.25 U	0.5 U	0.05 U	0.04 U	59	2.5 U	3.9	0.1 U		44	2 U	1 U	2.3	0.1 U
6/6/2018	XD	GWDP1XA75	0.25 U	0.5 U	0.56	0.04 U	102	2.5 U	4.4	0.1 U		48	2 U	1 U	11	0.1 U
6/6/2018	XX	GW602AA78	0.25 U	0.5 U	0.13	0.04 U	93	2.5 U	4.6	0.1 U		49	2 U	1 U	12	0.1 U
7/19/2018	XD	GWDP1XAE3	0.25 U		0.19		92	2.5 U	4.6			44	2 U	1 U	13	0.1 U
7/19/2018	XX	GW602AAE6	0.3		0.15		97	2.5 U	4.5			44	2 U	1 U	13	0.1 U
8/21/2018	XX	GW602AAF7	0.25 U		0.094		100	2.5 U	4.5			45	2 U		12	0.1 U
7/18/2019	XX	GW602ABDG	0.72		0.26		77	2.5 U	2.8		43		2 U		5.6	0.1 U
7/22/2020	XX	GW602ACJ9	0.25 U		0.064		108	2.5 U	2.9		56		2 U		11	0.1 U
7/12/2021	XX	GW602AE14	0.25 U	0.5 U	0.9		165	2.5 U	2.4	0.1 U		110	36		16	0.17
7/21/2022	XX	GW602AFA2	0.2 U	0.5 U	0.76		214	2.5 U	3.2	0.1 U		140	1 U		20	0.33

(OW-602A) Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
7/12/2023	XX	GW602AH9G	0.2 U	0.5 U	0.43		221	2.5 U	3.6	0.1 U		170	1.1		18	0.26
7/18/2024	XX	GW602A1EE	0.2 U	0.5 U	0.4		231	8.3 U	5.9	0.1 U		170	1.1		17	0.33
OW-603B																
4/12/2018	XX	GW603BA6C	0.34	0.5 U	0.081	0.04 U	161	7	2.2	0.1 U		120	4	3	2.1	1.1
6/5/2018	XX	GW603BA79	0.25 U	0.5 U	0.054	0.04 U	136	2.5 U	2.1	0.1 U		90	2 U	1 U	1.2	0.27
7/19/2018	XX	GW603BAE7	1.2		0.11		103	1500	2.4			65	2 U	2	1.7	0.1 U
8/21/2018	XX	GW603BAF8	0.25 U		0.099		99	28	2.4			58	2 U		2.5	0.1 U
7/18/2019	XX	GW603BBDH	11		0.28		99	2.5 U	2.9		60		2 U		2	0.1 U
7/22/2020	XX	GW603BCJA	I		I		I	I	I		I		I		I	I
7/13/2021	XX	GW603BE15	D	D	D		D	D	D	D		D	D		D	D
10/6/2021	XX	GW603BE7J	D	D	D		D	D	D	D		D	D		D	D
7/21/2022	XX	GW603BFA3	D	D	D		D	D	D	D		D	D		D	D
7/12/2023	XX	GW603BH9H	I	I	I		I	I	I	I		I	I		I	I
4/2/2024	XX	GW603B13D	D	D	D		D	D	D	D		D	D		D	D
7/18/2024	XX	GW603B1EF	D	D	D		D	D	D	D		D	D		D	D
OW-604A																
4/12/2018	XX	GW604AA6D	0.25 U	0.5 U	0.46	0.04 U	62	2.5 U	3.5	0.1 U		38	2 U	1 U	1.1	0.1 U
6/4/2018	XX	GW604AA7A	0.25 U	0.5 U	0.18	0.04 U	63	2.5 U	2.5	0.1 U		36	2 U	1 U	1.7	0.1 U
7/19/2018	XX	GW604AAE8	0.28		0.16		74	2.5 U	2.7			38	2 U	1 U	1.9	0.1 U
8/21/2018	XX	GW604AAF9	0.25 U		0.24		101	2.5 U	2.6			58	2 U		1.8	0.1 U
7/18/2019	XX	GW604ABDI	0.62		0.57		87	2.5 U	2.8		53		2 U		1.5	0.1 U
7/21/2020	XX	GW604ACJB	0.25 U		0.78		116	2.5 U	3.3		69		2 U		4.7	0.1
7/14/2021	XX	GW604AE16	0.25 U	0.5 U	2.4		145	3	2.4	0.1 U		84	2 U		6	0.1 U
7/21/2022	XX	GW604AFA4	0.5	0.5 U	4		190	2.5	2.4	0.1 U		110	1 U		11	0.12
7/12/2023	XX	GW604AH9I	0.2 U	0.5 U	3.2		216	2.5 U	6.9	0.1 U		140	1.7		12	0.1 U
7/18/2024	XX	GW604A1EG	0.2 U	0.5 U	3.6		247	8.3 U	2.8	0.1 U		130	1 U		39	0.1 U
OW-605A																
4/10/2018	XX	GW605AA6E	0.25 U	0.5 U	0.11	0.04 U	91	2.5 U	2.9	0.1 U		56	2 U	1 U	9.4	0.1 U
6/5/2018	XX	GW605AA7B	0.25 U	0.5 U	0.086	0.04 U	107	2.5 U	3.1	0.1 U		54	2 U	1 U	12	0.1 U
7/19/2018	XX	GW605AAE9	0.25 U		0.12		106	2.5 U	3.4			53	2 U	1 U	11	0.1 U
8/21/2018	XX	GW605AAFA	0.25 U		0.09		105	2.5 U	3			52	2 U		10	0.1 U
7/14/2021	XD	GWDP6XE1J	0.25 U	0.5 U	0.21		137	2.5 U	2 U	0.1 U		93	2 U		13	0.11
7/14/2021	XX	GW605AE25	0.25 U	0.5 U	0.23		142	3.7	2 U	0.1 U		95	2 U		13	0.1
10/7/2021	XX	GW605AE8G	0.2 U	0.5 U	0.21		151	2.5 U	2 U	0.1 U		100	2 U		11	0.1 U
7/21/2022	XD	GWDP6XFAE	0.2 U	0.5 U	0.13		59	40	2 U	0.1 U		28	1 U		13	0.1 U
7/21/2022	XX	GW605AFB0	0.2 U	0.5 U	0.13		61	35	2 U	0.1 U		27	1 U		13	0.1 U
7/12/2023	XD	GWDP7X00A	0.2 U	0.5 U	0.16		179	5	2 U	0.1 U		120	1 U		16	0.14
7/12/2023	XX	GW605A00G	0.2 U	0.5 U	0.15		179	8	2 U	0.1 U		120	1 U		16	0.13
7/18/2024	XD	GWDP7X1F9	0.2 U	0.5 U	0.05 U		166	14	2 U	0.5 U		110	1 U		17	0.1 U
7/18/2024	XX	GW605A1FF	0.2 U	0.5 U	0.05 U		167	14	2 U	0.5 U		110	1 U		17	0.1
OW-606A																
4/3/2018	XX	GW606AA6F	0.25 U	0.5 U	0.33	0.04 U	195	2.5 U	36	0.1 U		91	2 U	1 U	36	0.1 U
6/4/2018	XX	GW606AA7C	0.25 U	0.5 U	0.33	0.04 U	231	2.5 U	7.6	0.1 U		94	2 U	1 U	44	0.1 U
7/19/2018	XX	GW606AAEA	0.25 U		0.49		234	2.5 U	8.2			96	2 U	1 U	44	0.1 U
8/21/2018	XX	GW606AAFB	0.25 U		0.33		232	2.5 U	7.7			94	2 U		40	0.1 U
7/14/2021	XX	GW606AE06	0.25 U	0.5 U	0.48		195	2.5 U	8.8	0.1 U		110	2 U		37	0.12
10/7/2021	XX	GW606AE8H	0.2 U	0.5 U	0.3		211	16	8.3	0.1 U		110	2 U		37	0.1 U

DATA SUMMARY TABLE

Inorganics Parameters

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
(OW-606A)																
7/20/2022	XX	GW606AF94	0.2 U	0.5 U	0.26		204	2.5 U	8.3	0.1 U		110	1 U		36	0.13
7/12/2023	XX	GW606AH8I	0.3	0.5 U	0.3		223	2.5 U	7.7	0.1 U		130	1 U		35	0.16
7/17/2024	XX	GW606A1DH	0.2 U	0.5 U	0.25		235	8.3 U	7.7	0.1 U		150	1 U		35	0.2
OW-606B																
2/9/2021	XX	GW606BD9E	F	F	F	F	F	F	F	F		F	F	F	F	F
4/8/2021	XX	GW606BDAD	0.27	0.5 U	0.05 U	0.11	286	880	33	0.22		120	2 U	2 U	18	0.12
6/8/2021	XX	GW606BDGG	0.25 U	0.5 U	0.077	0.09	139	23	8.1	0.5 U		71	2 U	2 U	15	0.1 U
7/14/2021	XX	GW606BE37	0.25 U	0.5 U	0.1	0.06	118	27	6.2	0.1 U		60	2 U	2 U	15	0.1 U
8/18/2021	XX	GW606BE4A	0.33	0.5 U	0.12	0.06	128	6.3	6	0.1 U		64	2 U	1 U	15	0.11
10/7/2021	XX	GW606BE8I	0.2 U	0.5 U	0.1		126	9.3	5.9	0.1 U		64	2 U		15	0.1 U
7/20/2022	XX	GW606BFB9	0.2 U	0.5 U	0.11		175	150	5.3	0.1 U		72	1 U		14	0.1 U
7/12/2023	XX	GW606B015	0.2 U	0.5 U	0.12		114	14	4.5	0.1 U		65	1 U		12	0.11
7/17/2024	XX	GW606B1G4	0.2 U	0.5 U	0.053		123	8.3 U	4.3	0.1 U		67	1 U		15	0.1 U
OW-607B																
2/9/2021	XX	GW607BD9F	0.25 U	0.5 U	0.08	0.04	95	2.7	6	0.1 U		66	2 U	2 U	2.6	0.1 U
4/7/2021	XX	GW607BDAE	0.25 U	0.5 U	0.05 U	0.04 U	89	2.5 U	3.3	0.1 U		67	2 U	2 U	1.3	0.1 U
6/9/2021	XX	GW607BDGH	0.25 U	0.5 U	0.066	0.04 U	105	2.5 U	4.6	0.1 U		66	2 U	2 U	1.6	0.1 U
8/19/2021	XX	GW607BE4B	0.2 U	0.5 U	0.07	0.04 U	98	2.5 U	4.1	0.1 U		64	2 U	2 U	1.5	0.1 U
10/7/2021	XX	GW607BE8J	0.2 U	0.5 U	0.05 U		104	4.7	5.7	0.1 U		81	2 U		1.8	0.1 U
7/20/2022	XX	GW607BFBA	0.2 U	0.5 U	0.088		111	32	4.3	0.1 U		38	1 U		1.3	0.1 U
7/13/2023	XX	GW607B016	0.2 U	0.5 U	0.085		90	2.5 U	5	0.1 U		69	1 U		1.3	0.1 U
7/18/2024	XX	GW607B1G5	0.2 U	0.5 U	0.05 U		97	8.3 U	6.6	0.1 U		71	1 U		1.4	0.1 U
OW-608A																
4/4/2018	XX	GW608AA6G	0.25 U	0.5 U	0.077	0.04 U	127	8	3.9	0.1 U		95	2 U	2 U	1.3	0.1 U
6/4/2018	XX	GW608AA7D	0.25 U	0.5 U	0.053	0.04 U	126	13	6.7	0.1 U		92	2 U	1 U	1.4	0.1 U
7/18/2018	XX	GW608AAEB	0.37		0.061		114	9	7.2			93	2 U	1 U	2.1	0.1 U
8/20/2018	XX	GW608AAFC	0.25 U		0.05 U		105	15	5.9			72	2 U		4.1	0.1 U
7/15/2021	XX	GW608AE26	0.25 U	0.5 U	0.054		118	2.5 U	5.8	0.1 U		95	2 U		1.2	0.1 U
10/6/2021	XX	GW608AE90	0.2 U	0.5 U	0.05 U		95	3.7	2 U	0.1 U		73	2 U		2.5	0.1 U
7/20/2022	XX	GW608AFB1	0.2 U	0.5 U	0.05 U		132	11	6	0.1 U		130	1 U		1.9	0.1 U
8/2/2023	XX	GW608A00H	0.2 U	0.5 U	0.05 U		122	7	5.2	0.1 U		94	1 U		1.5	0.1 U
7/17/2024	XX	GW608A1FG	0.2 U	0.5 U	0.05 U		54	8.3 U	2 U	0.1 U		53	1 U		3.1	0.1 U
OW-608B																
2/10/2021	XX	GW608BD9G	0.25 U	0.5 U	0.066	0.08	223	31	29	0.5 U		110	2 U	2 U	6	0.1 U
4/8/2021	XD	GWDP1XDA6	0.25 U	0.5 U	0.05 U	0.06	177	3.5	32	0.1 U		100	2 U	2 U	3.7	0.1 U
4/8/2021	XX	GW608BDAF	0.25 U	0.5 U	0.05 U	0.06	188	3.5	41	0.1 U		99	2 U	2 U	4.8	0.1 U
6/8/2021	XX	GW608BDGI	0.25 U	0.5 U	0.06	0.06	175	2.5 U	39	0.1 U		99	2 U	2 U	3.1	0.1 U
8/17/2021	XD	GWDP1XE43	0.21	0.5 U	0.05 U	0.07	142	5	20	0.1 U		95	2 U	2 U	1.9	0.1 U
8/17/2021	XX	GW608BE4C	0.22	0.5 U	0.05 U	0.07	142	2.5 U	21	0.1 U		97	2 U	2 U	1.9	0.1 U
10/6/2021	XX	GW608BE91	0.2 U	0.5 U	0.05 U		163	2.7	38	0.1 U		100	2 U		2.6	0.1 U
7/20/2022	XX	GW608BFBB	0.2 U	0.5 U	0.05 U		156	2.5 U	25	0.1 U		98	1 U		2	0.1 U
7/13/2023	XX	GW608B017	0.2 U	0.5 U	0.06		120	2.5 U	8.6	0.1 U		100	1 U		1.4	0.1 U
7/17/2024	XX	GW608B1G6	0.56	0.5 U	0.22		150	26	8.1	0.1 U		100	4.8		3.5	0.1 U
OW-609B																
2/10/2021	XX	GW609BD9H	0.25 U	0.5 U	0.065	0.04 U	543	3.7	44	0.1 U		72	2 U	2 U	51	0.1 U
4/8/2021	XX	GW609BDAG	0.49	0.5 U	0.05 U	0.07	246	15	21	0.1 U		71	5.5	2 U	35	0.1 U

(OW-609B)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
6/8/2021	XX	GW609BDGJ	0.25 U	0.5 U	0.068	0.04	337	4.3	97	0.1 U		110	3.2	2	36	0.1 U
8/17/2021	XX	GW609BE4D	0.25	0.5 U	0.05 U	0.07	309	7	77	0.1 U		120	2.8	3	31	0.1 U
10/7/2021	XX	GW609BE92	0.2 U	0.5 U	0.05 U		271	8.3	56	0.1 U		120	2 U		34	0.1 U
7/18/2022	XX	GW609BFBC	0.84	0.5 U	0.05 U		209	5.5	39	0.1 U		110	1.5		23	0.1 U
7/11/2023	XX	GW609B018	0.2 U	0.5 U	0.5 U		219	3	27	0.1 U		94	1.7		13	0.1 U
7/17/2024	XX	GW609B1G7	0.2 U	0.5 U	0.05 U		222	8.3 U	25	0.1 U		98	1.5		49	0.1 U

OW-610A

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/5/2022	XX	GW610AG2F	0.27	0.5 U	0.13		210	4 U	2 U	0.1 U		180	2.1		25	0.1 U
1/24/2023	XX	GW610AGBG	0.21	0.5 U	0.073		286	2.5 U	2.9	0.1 U		200	2.2		28	0.1 U
4/19/2023	XX	GW610AH1I	0.2 U	0.5 U	0.05 U		265	2.5 U	2.9	0.1 U		180	1.7		27	0.1 U
6/19/2023	XX	GW610AH61	0.2 U	0.5 U	0.05 U		242	2.5 U	2.9	0.1 U		160	1.6		25	0.1 U
7/13/2023	XX	GW610A01H	0.2 U	0.5 U	0.073		237	2.5 U	3.1	0.1 U		150	1.6		27	0.1 U
7/17/2024	XX	GW610A1GF	0.2 U	0.5 U	0.05 U		275	8.3 U	2.2	0.1 U		190	2.1		23	0.13

OW-611A

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/4/2018	XX	GW611AA6H	0.25 U	0.5 U	0.48	0.04 U	256	2.5 U	40	0.1 U		130	2 U	2 U	31	0.1 U
6/5/2018	XX	GW611AA7E	0.25 U	0.5 U	0.44	0.04 U	257	2.5 U	15	0.1 U		120	2 U	1 U	39	0.1 U
7/18/2018	XX	GW611AAEC	0.28		0.46		249	2.5 U	13			120	2 U	1 U	42	0.1 U
8/20/2018	XX	GW611AAFD	0.25 U		0.33		233	2.5 U	13			110	2 U		41	0.1 U
7/14/2021	XX	GW611AE27	0.25 U	0.5 U	0.51		287	2.5 U	17	0.1 U		130	2 U		48	0.1 U
10/7/2021	XX	GW611AE93	0.2 U	0.5 U	0.55		301	2.5 U	18	0.1 U		140	2 U		48	0.1 U
7/20/2022	XX	GW611AFB2	0.32	0.5 U	0.85		277	2.5 U	17	0.1 U		140	1 U		44	0.1 U
7/13/2023	XX	GW611A00I	0.2 U	0.5 U	1.1		289	2.5 U	19	0.1 U		150	1 U		48	0.1
7/17/2024	XX	GW611A1FH	0.2 U	0.5 U	0.89		278	8.3 U	19	0.1 U		160	1.7		38	0.1 U

P-04-02 & P-04-02R

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
7/15/2015	XX	GWXXXX7DJ	0.5 U		2 U		188	26	32.4		82		2 U		15.4	0.1 U
10/28/2015	XX	GWXXXX7J4	0.5 U		0.5 U		442	5	147		106		2 U		42.5	0.1 U
4/6/2016	XX	GWXXXX87I	0.5		0.05 U		325	4 U	114		112		2 U		15.4	0.1 U
7/27/2016	XX	GWXXXX8C7	0.5 U		0.05		456	4 U	158		129		2 U		15.8	0.4 U
10/26/2016	XX	GWXXXX904	0.5		0.05 U		394	4 U	146		121		32.5		13	0.4 U
4/19/2017	XX	GWXXXX98C	0.5 U		0.05		412	10	120		150		2 U		9.6	0.2 U
7/26/2017	XX	GWXXXX9E8	0.5 U		0.06		357	2.5 U	120		140		2 U		7.4	0.2 U
10/25/2017	XX	GWXXXX9I3	0.25 U		0.08		331	2.5 U	110		120		2 U		5	0.1 U
4/4/2018	XX	GWXXXXA44	0.25 U		0.14		281	3.3	45		140		2 U		3	0.1 U
7/18/2018	XX	GWXXXXAD3	0.25 U		0.15		267	2.5 U	70		140		2 U		4	0.1 U
10/3/2018	XX	GWXXXXB21	0.25 U		0.094		254	2.5 U	69		130		2 U		3	0.1 U
4/22/2019	XX	GWXXXXB70	0.25 U		0.088		233	2.5 U	57		130		2 U		1.9	0.1 U
7/17/2019	XX	GWXXXXBDA	0.25 U		0.097		260	2.5 U	57		150		2 U		2.4	0.1 U
10/30/2019	XX	GWXXXXBJ2	0.25 U		0.1		215	2.5 U	9		140		2 U		6.2	0.1 U
4/29/2020	XX	GWXXXXCEA	0.25 U		0.092		236	2.5 U	45		170		2 U		2.8	0.1 U
7/22/2020	XX	GWXXXXCJ3	0.25 U		0.05 U		213	2.5 U	39		150		2 U		2.1	0.1 U
10/28/2020	XX	GWXXXXD46	0.25 U		0.05 U		195	2.5 U	34		140		15 M10		1.7	0.1 U
4/7/2021	XX	GWXXXXDD9	0.25 U		0.05 U		206	2.5 U	31		140		2 U		1.8	0.1 U
7/12/2021	XX	GWXXXXE10	0.25 U		0.1		196	2.5 U	29		140		29		1.6	0.1 U
10/6/2021	XX	GWXXXXE77	0.36		0.056		193	6	31		140		2 U		1.6	0.1 U
4/26/2022	XX	GWXXXXF1I	0.5		0.15		202	12	22		140		1 U		1.5	0.1 U
7/19/2022	XX	GWXXXXF9I	0.2 U		0.087		202	2.5 U	23		140		1 U		1.5	0.1 U
10/4/2022	XX	GWXXXXFJH	0.22		0.18		210	12	11		120		1.4		1 U	0.1 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(P-04-02 & P-04-02R)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/17/2023	XX	GWXXXXGJ8	0.5 U		0.15		114	5	8.2		89		3		1 U	0.1 U
7/10/2023	XX	GWXXXXH9C	0.2 U		0.15		170	11	12		110		2		1.2	0.1 U
10/2/2023	XX	GWXXXX06G	0.2 U		0.11		153	43	15		120		1.4		1.4	0.1 U
4/1/2024	XX	GWXXXX135	0.2 U		0.58		121	8.3 U	9.1		87		2.3		1.6	0.1 U
7/15/2024	XX	GWXXXX1EA	0.2 U		0.4		136	8.3 U	13		110		1.6		1.7	0.1 U
10/7/2024	XX	GWXXXX1JI	0.2 U		0.072		149	8.3 U	14		110		1.2		1.6	0.1 U

P-04-04

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/29/2015	XX	GWXXXX79B	0.5 U		0.5 U		105	4 U	9.2		79		2 U		2	0.1 U
7/15/2015	XX	GWXXXX7D3	0.5 U		2 U		108	4 U	8.9		78		2 U		2.1	0.1 U
10/28/2015	XX	GWXXXX7IC	0.5 U		0.5 U		111	4 U	8.9		76		2 U		2.6	0.1 U
4/6/2016	XX	GWXXXX872	0.5 U		0.05 U		115	4 U	9.4		80		2 U		2.2	0.1 U
7/27/2016	XX	GWXXXX8BC	0.9		0.05 U		113	4 U	8.1		77		2 U		2.2	0.2 U
10/26/2016	XX	GWXXXX8JB	0.5 U		0.1		119	4 U	8.8		78		2 U		2.7	0.2 U
4/19/2017	XX	GWXXXX97H	0.5 U		0.05		112	2.5 U	5.3		81		2 U		2.8	0.2 U
7/26/2017	XX	GWXXXX9DF	0.5 U		0.09		109	2.5 U	9.4		77		2 U		3.4	0.2 U
10/25/2017	XX	GWXXXX9HA	0.25 U		0.11		125	2.5 U	8.7		73		2 U		3.1	0.1 U
4/4/2018	XX	GWXXXXA39	0.25 U		0.16		111	2.5 U	4.1		80		2 U		3.3	0.1 U
7/18/2018	XX	GWXXXXACA	0.28		0.13		112	2.5 U	7.8		77		2 U		4	0.1 U
10/3/2018	XX	GWXXXXB18	0.25 U		0.11		118	2.5 U	8.5		78		2 U		4.5	0.1 U
4/22/2019	XX	GWXXXXB65	0.27		0.13		118	2.5 U	9.7		76		2 U		4.3	0.1 U
7/17/2019	XX	GWXXXXBCG	0.25 U		0.13		115	2.5 U	9.1		81		2 U		5.6	0.1 U
10/30/2019	XX	GWXXXXBI9	0.25 U		0.14		114	2.5 U	8.8		78		2 U		5.9	0.1 U
4/29/2020	XX	GWXXXXCDG	0.41		0.14		105	2.5 U	9.4		81		2 U		7.2	0.1 U
7/22/2020	XX	GWXXXXCI9	0.25 U		0.05 U		115	2.5 U	8.8		77		2 U		7.4	0.1 U
10/28/2020	XX	GWXXXXD3D	0.25 U		0.092		109	2.5 U	7.8		77		3.7 M10		7.5	0.1 U
4/7/2021	XX	GWXXXXDCF	0.25 U		0.097		128	2.5 U	7.3		79		2 U		8.4	0.1 U
7/12/2021	XX	GWXXXXE07	0.25 U		0.17		121	2.5 U	7.8		78		18		9.2	0.1 U
10/6/2021	XX	GWXXXXE6F	0.2 U		0.14		131	3.3	8.3		77		2 U		9.7	0.1 U
4/26/2022	XX	GWXXXXF17	0.46		0.14		136	2.5 U	7.5		77		1 U		10	0.1 U
7/19/2022	XX	GWXXXXF95	0.54		0.1		134	2.5 U	9		83		1 U		11	0.1 U
10/4/2022	XX	GWXXXXFJ6	0.2 U		0.22		160	4 U	8.4		77		1 U		11	0.1 U
4/17/2023	XX	GWXXXXGIH	0.5 U		0.16		115	2.5 U	8.9		77		1 U		12	0.1 U
7/10/2023	XX	GWXXXXH8J	0.2 U		0.2		147	2.5 U	8.4		75		1 U		13	0.1
10/2/2023	XX	GWXXXX066	0.2 U		0.17		120	2.5 U	7.8		80		1 U		14	0.11
4/1/2024	XX	GWXXXX12G	0.2 U		0.19		122	8.3 U	11		73		1 U		18	0.1 U
7/15/2024	XX	GWXXXX1DI	0.2 U		0.22		122	8.3 U	8.5		73		1 U		15	0.1 U
10/7/2024	XX	GWXXXX1J9	0.2 U		0.12		132	8.3 U	7.5		78		1 U		14	0.11

P-04-07A

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/3/2022	XX	GWXXXXG2G	0.2 U	0.5 U	0.21			4 U	9.4	0.1 U		96	1 U		27	0.1 U
10/3/2022	XX	GWXXXXG2GRR					130 H									
1/24/2023	XX	GWX07AGBD	F	F	F		F	F	F	F		F	F		F	F
3/30/2023	XD	GWDP1XGGJ	0.2 U	0.5 U	0.49		308	7	21	0.1 U		150	1 U		63	0.1 U
3/30/2023	XX	GWX07AGH0	0.2 U	0.5 U	0.13		195	5.5	8.4	0.1 U		93	1 U		26	0.1 U
4/19/2023	XD	GWDP5XH0A	0.2 U	0.5 U	0.13		154	2.5 U	8.3	0.1 U		88	1 U		25	0.1 U
4/19/2023	XX	GWXXXXH1J	0.2 U	0.5 U	0.13		173	2.5	8.6	0.1 U		89	1 U		25	0.1 U
6/19/2023	XD	GWDP1XH5E	0.2 U	0.5 U	0.16		169	2.5 U	8.2	0.1 U		93	1 U		22	0.1 U
6/19/2023	XX	GWX07AH5F	0.2 U	0.5 U	0.16		164	3.5	8.3	0.1 U		90	1 U		22	0.1 U
7/13/2023	XD	GWDP6X021	0.2 U	0.5 U	0.16		166	2.5 U	8.3	0.1 U		89	1 U		22	0.1 U

SEVEE & MAHER ENGINEERS, INC.
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Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
(P-04-07A)																
7/13/2023	XX	GWX07A01J	0.2 U	0.5 U	0.17		160	2.5 U	8.6	0.1 U		91	1 U		23	0.1 U
7/17/2024	XD	GWDP6X1GJ	0.2 U	0.5 U	0.072		160	8.3 U	9.2	0.1 U		100	1 U		14	0.1 U
7/17/2024	XX	GWX07A1GH	0.2 U	0.5 U	0.059		158	8.3 U	9.5	0.1 U		99	1 U		19	0.1 U
P-04-07B																
10/3/2022	XX	GWXXXXG2H	0.55	0.5 U	0.58			7.6	19	0.1 U		140	1 U		59	0.2 U
10/3/2022	XX	GWXXXXG2HRR					290 H									
1/24/2023	XX	GWX07BGBE	F	F	F		F	F	F	F		F	F		F	F
3/30/2023	XX	GWX07BGH1	0.24	0.5 U	0.45		328	7	23	0.1 U		160	1 U		63	0.1 U
4/19/2023	XX	GWXXXXH20	0.2 U	0.5 U	0.48		327	2.5 U	20	0.1 U		150	1 U		63	0.1 U
6/19/2023	XX	GWX07BH5G	0.2 U	0.5 U	0.47		322	2.5 U	20	0.1 U		150	1 U		60	0.1 U
7/13/2023	XX	GWX07B020	0.2 U	0.5 U	0.47		325	2.5 U	21	0.1 U		150	1 U		63	0.1 U
7/17/2024	XX	GWX07B1GI	0.2 U	0.5 U	0.12		320	8.3 U	29	0.1 U		180	1 U		57	0.1 U
P-04-11A																
2/10/2021	XX	GWXXXXD9I	0.25 U	0.5 U	0.19	0.12	105	7	4.6	0.1 U		75	2 U	2 U	2.2	0.1 U
4/8/2021	XX	GWXXXXDAH	0.25 U	0.5 U	0.17	0.12	102	2.5 U	4.3	0.1 U		68	2 U	2 U	1.7	0.1 U
6/9/2021	XX	GWXXXXDH0	0.25 U	0.5 U	0.34	0.1	106	2.5 U	4.2	0.1 U		67	2 U	2	1.6	0.1 U
8/18/2021	XX	GWXXXXE4E	0.55	0.5 U	0.19	0.13	120	2.5 U	5	0.1 U		69	2 U	1 U	1.9	0.1 U
10/6/2021	XX	GWX11AE94	0.2 U	0.5 U	0.17		97	2.5 U	4.5	0.1 U		69	2 U		1.6	0.1 U
4/27/2022	XX	GWX11AF39	6.1	0.5 U	0.17		95	6.3	3.8	0.1 U		63	1 U		1.5	0.1 U
7/21/2022	XX	GWXXXXFBE	0.2 U	0.5 U	0.1		95	65	4.2	0.1 U		59	1 U		2.3	0.1 U
7/12/2023	XX	GWXXXX01A	0.2 U	0.5 U	0.28		88	2.5 U	3.5	0.1 U		61	1 U		1.9	0.1 U
7/18/2024	XX	GWXXXX1G9	0.2 U	0.5 U	0.05 U		88	8.3 U	3.5	0.1 U		78	1 U		2.4	0.1 U
P-04-11B																
2/10/2021	XX	GWXXXXD9J	0.25 U	0.5 U	0.085	0.05	62	47	3.6	0.1 U		13	2 U	2 U	4.9	0.1 U
4/8/2021	XX	GWXXXXDAI	0.25 U	0.5 U	0.05 U	0.04	62	19	3.2	0.1 U		12	2 U	2 U	4.7	0.1 U
6/9/2021	XX	GWXXXXDH1	0.25 U	0.5 U	0.059	0.04	67	17	2.9	0.1 U		11	2 U	2 U	4.9	0.1 U
8/18/2021	XX	GWXXXXE4F	0.24	0.5 U	0.05 U	0.04 U	63	43	3.3	0.1 U		12	2 U	1 U	6	0.1 U
10/6/2021	XX	GWX11BE95	0.31	0.5 U	0.05 U		52	16	3.1	0.1 U		11	2 U		7.5	0.1 U
4/27/2022	XX	GWX11BF3A	0.2 U	0.5 U	0.096		62	40	2	0.1 U		7.9	1 U		8.9	0.1 U
7/21/2022	XX	GWXXXXFBF	D	D	D		D	D	D	D		D	D		D	D
7/12/2023	XX	GWXXXX01B	0.2 U	0.5 U	0.061		50	37	3.3	0.1 U		11	1 U		5.1	0.1 U
7/18/2024	XX	GWXXXX1GA	0.34	0.5 U	0.05 U		48	8.3 U	2.3	0.1 U		13	1 U		6.4	0.1 U
P-206A																
4/27/2015	XX	GW206A79A			0.5 U				4.8						5.5	
7/13/2015	XX	GW206A7D2			0.5 U				2 U						7.9	
10/26/2015	XX	GW206A7IB			0.7				2 U						8.5	
4/4/2016	XX	GW206A871			0.05 U				2 U						10.2	
4/26/2016	XX	GW206AHBC	0.5 U				95	57			63		2 U			0.1 U
7/25/2016	XX	GW206A8BB	0.6		0.05 U		103	20	2 U		63		2 U		12.5	0.2 U
10/24/2016	XX	GW206A8JA	0.5		0.05 U		108	11	2.2		61		2 U		15.7	0.2 U
4/17/2017	XX	GW206A97G	0.5 U		0.05 U		118	35	2 U		69		2 U		20	0.2 U
7/24/2017	XX	GW206A9DE	0.5 U		0.05 U		120	5 U	2.2		70		2 U		21	0.2 U
10/23/2017	XX	GW206A9H9	0.25 U		0.05 U		120	6	2.7		65		2 U		20	0.1 U
4/2/2018	XX	GW206AA38	0.25 U		0.063		123	2.5 U	2 U		71		2 U		19	0.1 U
7/16/2018	XX	GW206AAC9	0.31		0.064		130	2.5 U	2.8		74		2 U		24	0.1 U
10/1/2018	XX	GW206AB17	0.29		0.05 U		131	4.7	2.2		75		2 U		21	0.1 U
4/22/2019	XX	GW206AB64	0.25 U		0.05 U		124	4.3	2 U		74		2 U		19	0.1 U

SEVEE & MAHER ENGINEERS, INC.
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(P-206A)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
7/17/2019	XX	GW206ABCF	0.3		0.05 U		136	7.7	2.4		79		2 U		22	0.1 U
10/28/2019	XX	GW206ABI8	0.25 U		0.067		135	18	3.1		78		2 U		21	0.1
4/27/2020	XX	GW206ACDF	0.25 U		0.088		135	15	2.1		78		2 U		20	0.1 U
7/20/2020	XX	GW206ACI8	0.25 U		0.05 U		134	2.5 U	3.4		83		2 U		22	0.1 U
10/26/2020	XX	GW206AD3C	A		A		A	A	A		A		A		A	A
4/5/2021	XX	GW206ADCE	0.25 U		0.093		147	17	3.2		88		2 U		20	0.11
7/14/2021	XX	GW206AE22	0.25 U	0.5 U	0.34		127	5	2.4	0.1 U		66	2 U		23	0.1
10/4/2021	XX	GW206AE6E	0.32		0.58		149	2.5 U	3.2		81		2 U		23	0.1 U
4/25/2022	XX	GW206AF16	0.44		0.33		139	5.3	2.8		73		1 U		20	0.1 U
7/18/2022	XX	GW206AFAH	0.2 U	0.5 U	0.15		158	2.5 U	4.6	0.1 U		80	1 U		21	0.1 U
10/3/2022	XX	GW206AFJ5	0.2 U		0.24			4 U	3.5		87		1 U		21	0.1 U
10/3/2022	XX	GW206AFJ5RR					120 H									
4/17/2023	XX	GW206AGIG	0.5 U		0.42		130	3	3.9		77		1.6		20	0.1 U
7/10/2023	XX	GW206A00D	0.2 U	0.5 U	0.38		169	2.5 U	5.4	0.1 U		75	1 U		22	0.1 U
10/2/2023	XX	GW206A065	0.2 U	0.5 U	0.22		145	2.5 U	5.3	0.1 U		86	1 U		22	0.1 U
4/1/2024	XX	GW206A12F	0.2 U	0.5 U	0.39		133	8.3 U	5.4	0.1 U		66	1 U		27	0.1 U
7/15/2024	XX	GW206A1FC	0.2 U	0.5 U	0.4		129	8.3 U	6.9	0.1 U		64	1 U		26	0.1 U
10/7/2024	XX	GW206A1J8	0.2 U	0.5 U	0.3		154	8.3 U	7.2	0.1 U		74	1 U		24	0.1 U

PWS10-1

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/27/2015	XX	GWPWS1788			0.5 U	0.04 U	182	4 U	4.3		109		5.5		19.4	0.1 U
7/13/2015	XX	GWPWS17C0			2 U	0.52	156	156	2 U		76		12.5		8.4	0.1 U
10/26/2015	XX	GWPWS17H9			0.5 U	0.06	89	8	2.4		31		10.3		8.7	0.1 U
4/4/2016	XX	GWPWS185J			0.05 U	0.04	166	166	2.5		102		5.6		14.7	0.1 U
7/25/2016	XX	GWPWS18A9			0.05 U	0.19	122	21	2 U		50		13.8		3.1	0.2 U
10/24/2016	XX	GWPWS18I8			0.05 U	0.07	195	19	3.3		125		7.5		7.9	0.2 U
4/17/2017	XX	GWPWS196E			0.05 U	0.04 U	97	2.5 U	4		35		7.6		11	0.2 U
7/24/2017	XX	GWPWS19CC			0.05 U	0.04	150	110	3.4		130		5		7.3	0.2 U
10/25/2017	XX	GWPWS19G7			0.05 U	0.14	156	17	8.5		72		5.4		5.4	0.1 U
4/2/2018	XX	GWPWS1A25			0.27	0.04 U	106	2.5 U	4.5		56		3.8		8.2	0.1 U
7/16/2018	XX	GWPWS1AB7			0.076	0.13	132	16	2 U		77		12		5.1	0.1 U
10/1/2018	XX	GWPWS1B05			0.062	0.06	100	9.7	15		40		10		6	0.1 U
4/22/2019	XX	GWPWS1B51			0.14	0.04 U	141	16	6.4		67		10		8.7	0.1 U
7/15/2019	XX	GWPWS1BBE			0.16	0.08	105	24	2 U		38		21		8.4	0.1 U
10/28/2019	XX	GWPWS1BH7			0.057	0.04 U	134	11	9.9		69		9.4		8.7	0.1 U
4/27/2020	XX	GWPWS1CCE			0.073	0.04 U	180	11	8.9		99		8.6		13	0.1 U
7/20/2020	XX	GWPWS1CH7			0.05 U	0.09	191	14	2 U		81		30		12	0.1 U
10/26/2020	XX	GWPWS1D2B			0.05 U	0.04	172	21	9		95		28 M10		9.6	0.1 U
4/5/2021	XX	GWPWS1DBD			0.05 U	0.22	176	75	2.9		89		24		9.2	0.11
7/12/2021	XX	GWPWS1DJ5			0.05 U	0.1	104	12	8.2		27		35		2.4	0.1 U
10/4/2021	XX	GWPWS1E5D			0.05 U	0.18	192	81	3		120		35		7.2	0.1 U
4/25/2022	XX	GWPWS1F05			0.05 U	0.23	184	83	2.1		81		24		5.5	0.1 U
7/18/2022	XX	GWPWS1F83			0.05 U	0.09	121	6	2 U		38		20		10	0.1 U
10/3/2022	XX	GWPWS1FI4			0.05 U	0.07		14	4.7		81		17		5.1	0.1 U
10/3/2022	XX	GWPWS1FI4RR					110 H									
4/17/2023	XX	GWPWS1GHF			0.05 U	0.05	116	12	9.6		83		2.5		3.9	0.1 U
7/10/2023	XX	GWPWS1H7H			0.1	0.09	160	27	2 U		62		27		6.5	0.1 U
10/2/2023	XX	GWPWS1055			0.14	0.81	141	240	4.9		100		27		5.9	0.1
4/1/2024	XX	GWPWS111F			0.085	0.04 U	87	19	7.5		54		5		2.8	0.1 U
7/15/2024	XX	PWPWS11CH			0.076	0.23	181	77	30		120		13		3.4	0.1 U

(PWS10-1)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/7/2024	XX	PWPWS11I8			0.05 U	0.041	142	21	3.1		93		14		5.7	0.1 U
PWS10-2																
4/27/2015	XX	GWPWS2789			0.5 U	0.05	91	6	2.5		39		9.9		5.8	0.1 U
7/13/2015	XX	GWPWS27C1			2 U	0.09	94	327	2.2		31		11.9		6.4	0.1 U
10/26/2015	XX	GWPWS27HA			0.5 U	0.04 U	62	4 U	5.2		27		2.6		5	0.1 U
4/4/2016	XX	GWPWS2860			0.08	0.08	81	12	6.3		38		4		8.5	0.1 U
7/25/2016	XX	GWPWS28AA			0.05 U	0.06	103	4 U	2 U		47		12.6		3	0.2 U
10/24/2016	XX	GWPWS28I9			0.05	0.22	89	82	7.4		35		9		5.4	0.2 U
4/17/2017	XX	GWPWS296F			0.08	0.04 U	81	7	3.1		37		7		4.9	0.2 U
7/24/2017	XX	GWPWS29CD			0.05 U	0.04 U	87	5	4		64		7.4		5.4	0.2 U
10/24/2017	XX	GWPWS29G8			D	D	D	D	D		D		D		D	D
4/2/2018	XX	GWPWS2A26			0.17	0.06	56	44	2.6		24		2.8		3.2	0.1 U
7/16/2018	XX	GWPWS2AB8			0.05	0.04	98	2.5 U	3		53		11		3.9	0.1 U
10/1/2018	XX	GWPWS2B06			0.087	0.04	86	3.7	9.7		38		8.3		4.2	0.1 U
4/22/2019	XX	GWPWS2B52			0.05 U	0.04 U	79	2.5 U	12		13		7.5		8.3	0.1 U
7/15/2019	XX	GWPWS2BBF			0.11	0.06	106	4	2 U		34		24		8.5	0.1 U
10/28/2019	XX	GWPWS2BH8			0.064	0.04	76	19	15		14		6.4		6.8	0.1 U
4/27/2020	XX	GWPWS2CCF			0.099	0.04	107	44	19		21		6.2		17	0.1 U
7/20/2020	XX	GWPWS2CH8			0.05 U	0.06	99	2.5 U	8.6		42		13		13	0.1 U
10/26/2020	XX	GWPWS2D2C			0.05 U	0.05	101	20	12		29		19 M10		8.6	0.1 U
4/5/2021	XX	GWPWS2DBE			0.05 U	0.08	74	34	7.8		16		7.5		8.3	0.1 U
7/12/2021	XX	GWPWS2DJ6			0.05 U	0.06	80	5	2 U		22		26		2.8	0.1 U
10/4/2021	XX	GWPWS2E5E			0.05 U	0.05	103	31	3		21		23		6.2	0.1 U
4/25/2022	XX	GWPWS2F06			0.05 U	0.04 U	79	2.5 U	3.2		16		10		13	0.1 U
7/18/2022	XX	GWPWS2F84			0.05 U	0.18	105	3	2 U		23		20		9.5	0.1 U
10/3/2022	XX	GWPWS2FI5			0.05	0.04 U		7.2	4.1		27		14		4	0.1 U
10/3/2022	XX	GWPWS2FI5RR					47 H									
4/17/2023	XX	GWPWS2GHG			0.05 U	0.04	51	7.5	3		21		7.3		10	0.1 U
7/10/2023	XX	GWPWS2H7I			0.071	0.11	116	24	2 U		39		22		6.9	0.1 U
10/2/2023	XX	GWPWS2056			0.052	0.11	81	240	2 U		31		26		4.4	0.1 U
4/1/2024	XX	GWPWS211G			0.05 U	0.04 U	51	11	2.7		8.2		5.7		5.6	0.1 U
7/15/2024	XX	PWPWS21CI			0.086	0.04 U	93	9.3	6.9		69		6.7		1.4	0.1 U
10/7/2024	XX	PWPWS21I9			0.05 U	0.067	102	39	6.8		47		16		4.5	0.1 U
PWS10-3																
4/27/2015	XX	GWPWS378A			0.5 U	0.09	68	58	7.4		10.4		8.7		5.3	0.1 U
7/13/2015	XX	GWPWS37C2			2 U	0.11	87	14	2 U		26		11.9		6.6	0.1 U
10/26/2015	XX	GWPWS37HB			0.5 U	0.05	91	9	10.2		25		12.3		2.4	0.1 U
4/4/2016	XX	GWPWS3861			0.05 U	0.04	98	14	4.6		68		2 U		3.2	0.1 U
7/25/2016	XX	GWPWS38AB			D	D	D	D	D		D		D		D	D
10/24/2016	XX	GWPWS38IA			1.5	0.04 U	135	4 U	47.3		7.9		13.3		4	0.2 U
4/17/2017	XX	GWPWS396G			0.05 U	0.06	91	17	4.6		21		16		3.3	0.2 U
7/24/2017	XX	GWPWS39CE			0.05 U	0.11	120	17	2 U		62		20		4.6	0.2 U
10/24/2017	XX	GWPWS39G9			D	D	D	D	D		D		D		D	D
4/2/2018	XX	GWPWS3A27			0.23	0.04 U	48	4	4.1		5.8		6.6		4.5	0.1 U
7/16/2018	XX	GWPWS3AB9			D	D	D	D	D		D		D		D	D
10/1/2018	XX	GWPWS3B07			0.062	0.04	98	11	20		11		12		8.6	0.1 U
4/22/2019	XX	GWPWS3B53			0.05 U	0.04 U	82	3.3	2.3		12		13		15	0.1 U
7/15/2019	XX	GWPWS3BBG			0.062	0.14	82	18	2 U		26		27		8.9	0.1 U

(PWS10-3)

Date	Type	Sample ID	Total Kjeldahl Nitrogen	Ammonia (N)	Nitrite/Nitrate - (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Sulfide	Bicarbonate Alkalinity (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Biochemical Oxygen Demand	Chloride	Bromide
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
10/28/2019	XX	GWPWS3BH9			0.15	0.04 U	29	11	2 U		11		2 U		1 U	0.1 U
4/27/2020	XX	GWPWS3CCG			0.14	0.04 U	61	2.5 U	2		22		11		1	0.1 U
7/20/2020	XX	GWPWS3CH9			0.092	0.15	129	11	2 U		51		30		1.8	0.1 U
10/26/2020	XX	GWPWS3D2D			0.054	0.1	106	53	3.9		25		34 M10		7.8	0.1 U
4/5/2021	XX	GWPWS3DBF			0.05 U	0.08	114	92	2 U		51		11		2.1	0.1 U
7/12/2021	XX	GWPWS3DJ7			0.05 U	0.06	97	47	2.1		30		41		1.8	0.1 U
10/4/2021	XX	GWPWS3E5F			0.05 U	0.09	115	48	2 U		28		29		5.7	0.1 U
4/25/2022	XX	GWPWS3F07			0.05 U	0.04 U	91	2.5 U	2 U		30		16		5.7	0.1 U
7/18/2022	XX	GWPWS3F85			0.05 U	0.1	117	25	2 U		46		19		3	0.1 U
10/3/2022	XX	GWPWS3FI6			0.13	0.04		10	2 U		30		21		3	0.1 U
10/3/2022	XX	GWPWS3FI6RR					83 H									
4/17/2023	XX	GWPWS3GHH			0.067	0.24	67	110	2.3		30		11		9.9	0.1 U
7/10/2023	XX	GWPWS3H7J			0.072	0.33	163	15	2 U		41		31		11	0.1 U
10/2/2023	XX	GWPWS3057			0.05 U	0.04 U	87	2.5 U	2 U		25		18		5.8	0.1 U
4/1/2024	XX	GWPWS311H			0.061	0.18	66	62	4		1.7		13		2.1	0.1 U
7/15/2024	XX	PWPWS31CJ			0.05 U	0.28	204	220	50		46		21		6	0.1 U
10/7/2024	XX	PWPWS31IA			0.05 U	0.071	144	28	2 U		84		8.3		6.8	0.1 U
PWS-4																
1/24/2023	XX	PWXX4XGBI	A	A	A	A	A	A	A	A		A	A		A	A
3/30/2023	XX	PWXX4XGH5	0.56	0.5 U	0.088	0.09	102	98	5.6	0.1 U		29	7.1		9.6	0.1 U
4/19/2023	XX	GWXXXXH22	0.38	0.5 U	0.05 U	0.07	100	7	3	0.2 U		30	9.7		12	0.1 U
6/19/2023	XX	PWXX4XH5J	0.45	0.5 U	0.053	0.033	92	30	4.8	0.5 U		37	10		4.5	0.1 U
7/13/2023	XX	PWXX4X023	0.5	0.5 U	0.05 U	0.06	122	26	2 U	0.1 U		71	14	2 U	5.8	0.1
10/4/2023	XX	GWXXXX094	0.37	0.5 U	0.092	0.04 U	121	18	2 U	0.1 U		70	8.2		11	0.14
4/2/2024	XX	GWXXXX15B	0.22		0.055		65	8.3 U	6		16		4.4		4.5	0.1 U
7/16/2024	XX	PWXX4X1H1	0.76	0.5	0.05 U	0.05	96	28	3	0.1 U	37	37	15	2 U	2.4	0.1 U
10/9/2024	XX	PWXXXX224			0.12	0.04 U	83	44	13		26		5.4		4.7	0.1 U
SW-1																
4/28/2015	XX	SWXX1X785			0.5 U	0.04 U	79	4 U	3.1		21		7.3	3 U	18	0.1 U
7/14/2015	XX	SWXX1X7BH			2 U	0.06	80	9	1.6 J		37		11.1	3 U	5.7	0.1 U
10/27/2015	XX	SWXX1X7H6			0.5 U	0.04 U	76	4 U	2.6		28		10.4	3 U	9	0.1 U
4/5/2016	XX	SWXX1X85G			0.05 U	0.04 U	69	4 U	3.4		21		6.1	3 U	16.3	0.1 U
7/26/2016	XX	SWXX1X8A6			0.05 U	0.95	135	377	2.2		83		12.9	4	4.1	0.2 U
10/25/2016	XX	SWXX1X8I5			0.05	0.04	126	4	6.6		15.5		17.3	3 U	11	0.2 U
4/18/2017	XX	SWXX1X96B			0.05	0.04 U	60	2.5 U	2 U		13		8.9	3 U	9.8	0.2 U
7/25/2017	XX	SWXX1X9C9			0.06	0.17	169	35	6.8		110		6.7	4	6.4	0.2 U
10/25/2017	XX	SWXX1X9G4			0.12	0.09	139	14	13		27		16	5	13	0.1 U
4/3/2018	XX	SWXX1XA22			0.25	0.04 U	92	2.5 U	3.5		45		4.5	2	11	0.1 U
7/17/2018	XX	SWXX1XAB4			0.063	0.17	151	640	2.2		100		10	6	5	0.1 U
10/2/2018	XX	SWXX1XB02			0.05 U	0.04	105	49	15		44		9.7	1 U	6.3	0.1 U
4/23/2019	XX	SWXX1XB4I			0.15	0.16	97	2.5 U	5.3		48		8.2	1 U	7.3	0.1 U
7/16/2019	XX	SWXX1XBBB			0.05 U	0.08	118	30	8.8		33		21	5	9.4	0.1 U
10/29/2019	XX	SWXX1XBH4			0.12	0.04 U	142	16	10		100		5	4	9.7	0.1 U
4/28/2020	XX	SWXX1XCCB			0.18	0.04	144	2.5 U	11		90		5.4	3	13	0.1 U
7/21/2020	XX	SWXX1XCH4			0.05 U	0.09	138	13	2 U		55		18	4	12	0.13
10/27/2020	XX	SWXX1XD28			0.064	0.11	196	46	15		85		49 M10	9	17	0.1 U
4/6/2021	XX	SWXX1XDBA			0.05 U	0.11	139	35	4.8		72		14	2 U	7.6	0.1 U
7/13/2021	XX	SWXX1XDJ2			0.081	0.14	93	15	2 U		40		20	5	2.2	0.1 U

DATA SUMMARY TABLE

Inorganics Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-1)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
10/5/2021	XX	SWXX1XE5A			0.05 U	0.17	235	170	5.9		170		17	20	8.3	0.13
4/26/2022	XX	SWXX1XF02			0.19	0.04 U	136	8.7	5		80		7.6	2	8.9	0.1 U
7/19/2022	XX	SWXX1XF80			0.05 U	0.27	118	140	2 U		30		21	19	9.9	0.1 U
10/4/2022	XX	SWXX1XFI1			0.097	0.26	200	19	5.1		96		19	9	6.1	0.1 U
4/18/2023	XX	SWXX1XGHC			0.069	0.06	92	14	8.5		49		9.9	7.6	4.9	0.1 U
7/11/2023	XX	SWXX1XH7E			0.08	0.23	173	180	2 U		69		27	16	7.5	0.1 U
10/3/2023	XX	SWXX1X052			0.05 U	0.36	143	91	3.6		82		23	14	6	0.1 U
4/2/2024	XX	SWXX1X11C			0.41	0.06	141	30	8.7		110		3.9	2 U	3.3	0.1 U
7/16/2024	XX	SWXX1X1CE			0.18	0.14	178	46	21		120	120	13	6	3.9	0.1 U
10/8/2024	XX	SWXX1X1I5			0.05 U	0.04 U	123	8.3 U	2.4		75	75	14	4	5.6	0.1 U
SW-2																
4/28/2015	XX	SWXX2X786			0.5 U	0.04 U	77	4 U	2.3		12		7.9	3 U	17.6	0.1 U
4/28/2015	XD	SWDP2X78B			0.5 U	0.04 U	76	4 U	3.4		11.9		7.8	3 U	19.3	0.1 U
7/14/2015	XX	SWXX2X7BI			2 U	0.04	73	19	2 U		27		12.4	3	6	0.1 U
10/27/2015	XX	SWXX2X7H7			0.5 U	0.04 U	71	30	2 U		16.2		14.1	3 U	9.2	0.1 U
10/27/2015	XD	SWDP2X7HC			0.5 U	0.04 U	74	4 U	2		16.1		12.3	3 U	9.3	0.1 U
4/5/2016	XD	SWDP2X862			0.05 U	0.04 U	62	4 U	3.1		15.7		6.3	3 U	16.4	0.1 U
4/5/2016	XX	SWXX2X85H			0.05 U	0.04 U	71	4 U	2.8		16.7		6.3	3 U	17.5	0.1 U
7/26/2016	XX	SWXX2X8A7			0.05 U	0.05	92	15	2 U		34		17.7	3	2.1	0.2 U
10/25/2016	XD	SWDP2X8IB			0.05 U	0.04	121	4 U	4.1		14.6		18.5	3 U	11.8	0.2 U
10/25/2016	XX	SWXX2X8I6			0.05 U	0.04	131	4 U	3.8		14.5		20.6	3 U	11.7	0.2 U
4/18/2017	XD	SWDP2X96H			0.05 U	0.04 U	61	2.5 U	2.5		12		8.7	3 U	7.2	0.2 U
4/18/2017	XX	SWXX2X96C			0.05 U	0.04 U	63	2.5 U	2.2		12		9.4	3 U	6.8	0.2 U
7/25/2017	XX	SWXX2X9CA			0.06	0.09	93	9	3.2		46		8.9	2 U	3.4	0.2 U
10/25/2017	XD	SWDP2X9GA			0.11	0.11	107	10	3.8		22		14	5	13	0.1 U
10/25/2017	XX	SWXX2X9G5			0.16	0.1	114	4.7	3.5		21		14	4	13	0.1 U
4/3/2018	XD	SWDP2XA28			0.076	0.04 U	54	2.5 U	2 U		7.9		6.9	1 U	6.4	0.1 U
4/3/2018	XX	SWXX2XA23			0.084	0.04 U	67	2.5 U	2 U		8.6		7.2	1 U	6.8	0.1 U
7/17/2018	XX	SWXX2XAB5			0.05 U	0.43	103	76	2.3		40		18	42	4.6	0.1 U
10/2/2018	XD	SWDP2XB08			0.05 U	0.11	96	42	9.8		21		16	8	10	0.1 U
10/2/2018	XX	SWXX2XB03			0.065	0.09	94	16	9.2		25		16	7	9.8	0.1 U
4/23/2019	XD	SWDP2XB54			0.05 U	0.04 U	77	2.5 U	2.1		13		13	1 U	16	0.1 U
4/23/2019	XX	SWXX2XB4J			0.05 U	0.04 U	73	2.5 U	2 U		13		13	1 U	16	0.1 U
7/16/2019	XD	SWDP2XBBH			0.05 U	0.06	107	19	2 U		23		24	3	12	0.1 U
7/16/2019	XX	SWXX2XBBC			0.05 U	0.05	93	22	2 U		23		30	3	12	0.1 U
10/29/2019	XD	SWDP2XBHA			0.05 U	0.04 U	117	2.5 U	2 U		14		30	1 U	9.5	0.1 U
10/29/2019	XX	SWXX2XBH5			0.05 U	0.04 U	66	2.5 U	2 U		13		13	1 U	9.3	0.1 U
4/28/2020	XD	SWDP2XCCH			0.089	0.04 U	62	2.5 U	3.1		15		7.1	2 U	12	0.1 U
4/28/2020	XX	SWXX2XCCC			0.084	0.04 U	61	2.5 U	2.8		14		7.2	2 U	12	0.1 U
7/21/2020	XD	SWDP2XCHA			0.05 U	0.12	100	3.7	2 U		33		21	2	4.5	0.1 U
7/21/2020	XX	SWXX2XCH5			0.05 U	0.04	113	2.5 U	2 U		33		21	2	4.3	0.1 U
10/27/2020	XD	SWDP2XD2E			0.05 U	0.04 U	84	2.5 U	4.4		13		28 M10	1	9.8	0.1 U
10/27/2020	XX	SWXX2XD29			0.05 U	0.04 U	87	2.5 U	4.3		13		28 M10	1 U	9.8	0.1 U
4/6/2021	XD	SWDP2XDBG			0.05 U	0.04 U	74	2.5 U	2.6		20		7.9	2 U	13	0.1 U
4/6/2021	XX	SWXX2XDBB			0.05 U	0.04 U	77	2.5 U	2.8		16		8.1	2 U	13	0.1 U
7/13/2021	XD	SWDP2XDJ8			0.093	0.07	101	2.5	2 U		24		24	4	5.6	0.1 U
7/13/2021	XX	SWXX2XDJ3			0.05 U	0.06	104	2.5	2 U		24		25	2	6	0.1 U
10/5/2021	XD	SWDP2XE5G			0.05 U	0.04 U	92	10	2 U		16		21	2 U	6.6	0.1 U
10/5/2021	XX	SWXX2XE5B			0.05 U	0.04 U	97	2.5 U	2 U		15		21	2 U	6.8	0.1 U

DATA SUMMARY TABLE

Inorganics Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-2) Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/26/2022	XD	SWDP2XF08			0.05 U	0.04 U	73	2.5 U	2.1		15		8	1 U	12	0.1 U
4/26/2022	XX	SWXX2XF03			0.05 U	0.04 U	72	2.5 U	2		14		8.3	1 U	12	0.1 U
7/19/2022	XD	SWDP2XF86			0.05 U	0.04	104	2.5 U	2.4		23		18	2 U	6.2	0.1 U
7/19/2022	XX	SWXX2XF81			0.05 U	0.04	104	2.5 U	2.5		22		18	2 U	6.2	0.1 U
10/4/2022	XD	SWDP2XFI7			0.085	0.04 U	120	5.6	2.1		22		17	2 U	4.6	0.1 U
10/4/2022	XX	SWXX2XFI2			0.12	0.04 U	120	4 U	2		21		17	2 U	4.5	0.1 U
4/18/2023	XD	SWDP2XGHI			0.05 U	0.04 U	63	2.5 U	2 U		16		9	2 U	11	0.1 U
4/18/2023	XX	SWXX2XGHD			0.05 U	0.04 U	51	2.5 U	2 U		17		9.3	2 U	11	0.1 U
7/11/2023	XD	SWDP2XH80			0.05 U	0.09	136	3.5	2 U		25		28	6	8	0.1 U
7/11/2023	XX	SWXX2XH7F			0.05 U	0.09	131	2.5	2 U		25		28	6	8.2	0.1 U
10/3/2023	XD	SWDP2X058			0.05 U	0.05	91	2.5 U	2 U		23		19	2 U	6	0.1 U
10/3/2023	XX	SWXX2X053			0.05 U	0.06	91	2.5 U	2 U		24		19	2	6	0.1 U
4/2/2024	XD	SWDP2X11I			0.24	0.04 U	56	8.3 U	2.3		13		6.1	2 U	9.5	0.1 U
4/2/2024	XX	SWXX2X11D			0.05 U	0.04 U	45	8.3 U	2.3		12		5.9	2 U	8.4	0.1 U
7/16/2024	XD	SWDP2X1D0			0.05 U	0.04 U	112	8.3 U	3.2		27	27	23	2 U	8.3	0.1 U
7/16/2024	XX	SWXX2X1CF			0.05 U	0.04 U	109	13 U	3.8		28	28	23	2 U	7.8	0.1 U
10/8/2024	XD	SWDP2X1IB			0.05 U	0.04 U	86	8.3 U	2 U		84	84	15	2	9.2	0.1 U
10/8/2024	XX	SWXX2X1I6			0.05 U	0.04 U	85	8.3 U	2 U		22	22	15	2	10	0.1 U
SW-3																
4/28/2015	XX	SWXX3X787			0.5 U	0.04 U	68	4 U	3.1		12.6		7.1	3 U	13.5	0.1 U
7/14/2015	XX	SWXX3X7BJ			2 U	0.04 U	69	4 U	2.3		29		9.7	3 U	6.1	0.1 U
7/14/2015	XD	SWDP2X7C3			2 U	0.04 U	69	4 U	2.2		28		9.7	3 U	6.1	0.1 U
10/27/2015	XX	SWXX3X7H8			0.5 U	0.04 U	85	4 U	3		23		9.1	3 U	9.1	0.1 U
4/5/2016	XX	SWXX3X85I			0.06	0.04 U	60	4 U	3.6		16.8		6.4	3 U	12.3	0.1 U
7/26/2016	XD	SWDP2X8AC			0.05 U	0.05	85	4 U	2.1		37		12.8	3 U	4.9	0.2 U
7/26/2016	XX	SWXX3X8A8			0.05 U	0.05	85	4 U	2.1		36		12.9	3 U	4.9	0.2 U
10/25/2016	XX	SWXX3X8I7			0.05 U	0.04 U	104	4 U	10.8		15.6		12.5	3 U	8.7	0.2 U
4/18/2017	XX	SWXX3X96D			0.05 U	0.04 U	55	2.5 U	4.2		12		8.4	3 U	4.3	0.2 U
7/25/2017	XD	SWDP2X9CF			0.06	0.04	101	4.3	2.6		43		8.5	2 U	11	0.2 U
7/25/2017	XX	SWXX3X9CB			0.05	0.04	100	2.5 U	2.6		43		9.6	2 U	11	0.2 U
10/25/2017	XX	SWXX3X9G6			0.22	0.06	139	2.5 U	11		22		15	7	20	0.1 U
4/3/2018	XX	SWXX3XA24			0.26	0.04 U	79	2.5 U	2 U		11		6.8	1 U	14	0.1 U
7/17/2018	XD	SWDP2XABA			0.07	0.09	85	25	2.5		41		13	3	11	0.1 U
7/17/2018	XX	SWXX3XAB6			0.074	0.09	91	17	2.6		40		12	3	10	0.1 U
10/2/2018	XX	SWXX3XB04			0.05 U	0.04 U	69	2.5 U	14		23		9	1 U	5.2	0.1 U
4/23/2019	XX	SWXX3XB50			0.05 U	0.04 U	63	2.5 U	2.7		11		11	1 U	10	0.1 U
7/16/2019	XX	SWXX3XBBD			0.05 U	0.05	93	2.5 U	2 U		31		19	2 U	7.3	0.1 U
10/29/2019	XX	SWXX3XBH6			0.05 U	0.04 U	66	2.5 U	2.5		11		14	1 U	5.9	0.1 U
4/28/2020	XX	SWXX3XCCD			0.1	0.04 U	56	2.5 U	3		13		8.1	2 U	9.9	0.1 U
7/21/2020	XX	SWXX3XCH6			0.05 U	0.04 U	108	2.5 U	2 U		31		12	1	12	0.1 U
10/27/2020	XX	SWXX3XD2A			0.065	0.04 U	73	2.5 U	6.4		26		17 M10	1 U	18	0.11
4/6/2021	XX	SWXX3XDBC			0.05 U	0.04 U	61	2.5 U	3		12		7.8	2 U	8.9	0.1 U
7/13/2021	XX	SWXX3XDJ4			0.05 U	0.04	72	3.3	2 U		23		14	2	4.5	0.1 U
10/5/2021	XX	SWXX3XE5C			0.077	0.04 U	94	2.5 U	2 U		20		18	2 U	6	0.1 U
4/26/2022	XX	SWXX3XF04			0.055	0.04 U	65	2.5 U	2.3		13		9.2	1 U	11	0.1 U
7/19/2022	XX	SWXX3XF82			0.096	0.04	116	12	2 U		30		12	2 U	18	0.1 U
10/4/2022	XX	SWXX3XFI3			0.19	0.04 U	68	4 U	6.1		27		10	2 U	5.9	0.1 U
4/18/2023	XX	SWXX3XGHE			0.064	0.04 U	51	2.5	2		14		7.7	2 U	11	0.1 U
7/11/2023	XX	SWXX3XH7G			0.061	0.06	100	5	2 U		27		18	3	4.8	0.1 U

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
(SW-3)																
10/3/2023	XX	SWXX3X054			0.23	0.05	75	30	2.5		29		13	2 U	5.8	0.1 U
4/2/2024	XX	SWXX3X11E			0.051	0.04 U	33	8.3 U	2.2		6.6		6.2	2 U	4.6	0.1 U
7/16/2024	XX	SWXX3X1CG			0.05 U	0.04 U	85	8.3 U	8.8		30	30	13	2 U	4.6	0.1 U
10/8/2024	XX	SWXX3X1I7			0.05 U	0.04 U	73	8.3 U	2.1		31	31	11	2	4.9	0.1 U
SW23-4																
1/24/2023	XX	SWXX4XGBH	A	A	A	A	A	A	A	A		A	A	A	A	A
3/30/2023	XX	SWXX4XGH4	0.28	0.5 U	0.092	0.04 U	78	2.5	5.6	0.1 U		15	6.7	2 U	11	0.1 U
4/19/2023	XX	GWXXXXH23	0.35	0.5 U	0.05 U	0.04	89	2.5 U	5	0.1 U		26	9.2	2 U	13	0.1 U
6/19/2023	XX	SWXX4XH5I	0.44	0.5 U	0.079	0.028	80	5	6.8	0.1 U		24	10	2 U	4.8	0.1 U
7/13/2023	XX	SWXX4X022	0.52	0.5 U	0.061	0.04 U	119	4	2 U	0.1 U		68	14	2 U	5.9	0.11
10/4/2023	XX	GWXXXX095	0.41	0.5 U	0.08	0.04 U	86	8.3	2.6	0.1 U		42	7.2	2 U	7.6	0.11
4/2/2024	XX	GWXXXX15C			0.055	0.04	45	8.3 U	4.6		7.7		36	2 U	3.4	0.1 U
7/16/2024	XX	SWXX4X1H0	0.7	0.5	0.05 U	0.04 U	93	8.3 U	2 U	0.1 U	41	41	15	3	2.2	0.1 U
10/9/2024	XX	SWXXXX225			0.14	0.04 U	82	8.3 U	11		29	30	5.3	2	5.3	0.1 U
10/22/2024	XX	SWXXXX25B												2		
SW-DP1																
4/28/2015	XX	SWDP1X78D			0.5 U	0.05	75	11	7.4		35		2 U		8.3	0.1 U
7/14/2015	XX	SWDP1X7C5			2 U	0.04 U	68	4 U	4.1		46		2.8		3.1	0.1 U
10/27/2015	XX	SWDP1X7HE			0.5 U	0.04 U	56	4	5		25		2 U		5.3	0.1 U
4/5/2016	XX	SWDP1X864			0.05 U	0.05	67	11	8.1		32		2 U		6.7	0.1 U
7/26/2016	XX	SWDP1X8AE			0.05 U	0.04 U	78	4 U	7.2		45		3.8		3.9	0.2 U
10/25/2016	XX	SWDP1X8ID			0.05 U	0.04 U	72	8	8.6		24		2.7		2.1	0.2 U
4/18/2017	XX	SWDP1X96J			0.05 U	0.04 U	55	2.5 U	7		32		2.1		7.4	0.2 U
7/25/2017	XX	SWDP1X9CH			0.09	0.04	94	11	5.4		57		3.7		6.6	0.2 U
10/23/2017	XX	SWDP1X9GC			0.05 U	0.04 U	93	2.5 U	6.8		39		2.9		3.9	0.1 U
4/3/2018	XX	SWDP1XA2B			0.21	0.04 U	52	6	2.6		7.2		2 U		1.9	0.1 U
7/17/2018	XX	SWDP1XABC			0.055	0.05	61	18	4.6		30		3.4		1.4	0.1 U
10/2/2018	XX	SWDP1XB0A			0.05 U	0.04 U	49	3.7	7		25		2.4		1.9	0.1 U
4/23/2019	XX	SWDP1XB57			0.15	0.04 U	69	3.7	21		21		2 U		3.2	0.1 U
7/16/2019	XX	SWDP1XBBJ			0.05 U	0.04 U	60	2.5 U	12		23		2.3		1.5	0.1 U
10/29/2019	XX	SWDP1XBHC			0.23	0.06	84	16	9.4		42		3.6		2.2	0.1 U
4/28/2020	XX	SWDP1XCCJ			0.55	0.04	251	8	22		59		5.4		79	1.1
7/21/2020	XX	SWDP1XCHC			0.05 U	0.12	164	31	22		83		5.8		12	0.22
10/27/2020	XX	SWDP1XD2G			0.051	0.12	114	25	23		52		12 M10		6.3	0.1 U
4/6/2021	XX	SWDP1XDBI			0.15	0.2	191	18	12		23		2 U		2.5	0.1 U
7/13/2021	XX	SWDP1XDJA			0.07	0.24	185	29	7.9		41		3.6		1.3	0.1 U
10/5/2021	XX	SWDP1XE5I			0.05 U	0.06	83	11	5.3		42		2 U		1 U	0.1 U
4/26/2022	XX	SWDP1XF0A			0.05 U	0.12	101	26	32		28		2.8		5.2	0.1 U
7/19/2022	XX	SWDP1XF88			0.052	0.14	192	33	44		49		4.4		7.2	0.1 U
10/4/2022	XX	SWDP1XFI9			0.13	0.04	110	9.6	36		40		2.2		2.9	0.1 U
4/18/2023	XX	SWDP1XGI0			0.089	0.14	58	19	5.8		15		3		1.5	0.1 U
7/11/2023	XX	SWDP1XH82			0.064	0.23	161	62	4		34		3.5		1.1	0.1 U
10/3/2023	XX	SWDP1X05A			0.05 U	0.04 U	48	29	8.3		30		7		1 U	0.1 U
4/2/2024	XX	SWDP1X120			0.26	0.07	70	12	22		6.4		3.1		2.7	0.1 U
7/16/2024	XX	SWDP1X1D2			0.61	0.052	89	8.3 U	6.5		54		5.5		1.4	0.1 U
10/8/2024	XX	SWDP1X1ID			0.05 U	0.04	68	8.3 U	11		34		3.5		1.7	0.1 U
SW-DP6																

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(SW-DP6)

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrite/Nitrate - (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chloride mg/L	Bromide mg/L
4/28/2015	XX	SWDP6X78E			0.5 U	0.05	81	4	17.4		21		3.4		7.2	0.1 U
7/14/2015	XX	SWDP6X7C6			2 U	0.12	131	43	13.5		28		5.7		5.6	0.1 U
10/27/2015	XX	SWDP6X7HF			0.5 U	0.04 U	58	4 U	10.3		22		4		2.7	0.1 U
4/5/2016	XX	SWDP6X865			0.05 U	0.04 U	61	4 U	15		12.7		3.2		6.9	0.1 U
7/26/2016	XX	SWDP6X8AF			0.05 U	0.04 U	92	4 U	29.8		28		5.7		2.8	0.2 U
10/25/2016	XX	SWDP6X8IE			0.1	0.07	104	29	18.8		22		3.8		2	0.2 U
4/18/2017	XX	SWDP6X970			0.05 U	0.04 U	46	4	2 U		9.6		3.5		9.7	0.2 U
7/25/2017	XX	SWDP6X9CI			0.06	0.05	87	6	10		16		6.7		9.1	0.2 U
10/23/2017	XX	SWDP6X9GD			0.05 U	0.04 U	88	3.3	21		10		4.5		9.2	0.1 U
4/3/2018	XX	SWDP6XA2C			0.12	0.04	44	31	9.7		11		2.1		3.6	0.1 U
7/17/2018	XX	SWDP6XABD			0.05 U	0.05	94	9.7	32		18		6.6		7.9	0.1 U
10/2/2018	XX	SWDP6XB0B			0.05 U	0.04 U	58	2.5 U	40		6		4.7		4.6	0.1 U
4/23/2019	XX	SWDP6XB58			0.05 U	0.06	57	9.3	12		12		4.2		6.7	0.1 U
7/16/2019	XX	SWDP6XBC0			0.056	0.04 U	59	3.7	8.7		14		6.5		4.6	0.1 U
10/29/2019	XX	SWDP6XBHD			0.05 U	0.04 U	43	5	12		6.3		4.6		1.7	0.1 U
4/28/2020	XX	SWDP6XCD0			0.056	0.05	38	6.7	10		8.4		3.3		4.3	0.1 U
7/21/2020	XX	SWDP6XCHD			0.05 U	0.04	83	8	16		13		6.1		2.3	0.1 U
10/27/2020	XX	SWDP6XD2H			0.058	0.06	65	13	24		14		5.8 M10		1.8	0.1 U
4/6/2021	XX	SWDP6XDBJ			0.05 U	0.04	52	6.5	7.2		10		3.5		2.2	0.1 U
7/13/2021	XX	SWDP6XDJB			0.05 U	0.09	60	9	4.5		12		6.2		1 U	0.1 U
10/5/2021	XX	SWDP6XE5J			0.05 U	0.04	63	4.3	6.6		15		4.7		5.8	0.1 U
4/26/2022	XX	SWDP6XF0B			0.12	0.04	42	6.7	3.8		10		4.1		1.9	0.1 U
7/19/2022	XX	SWDP6XF89			0.05 U	0.15	107	36	4.8		20		5.2		1 U	0.1 U
10/4/2022	XX	SWDP6XFIA			0.14	0.1	55	16	5.5		16		3.4		1.2	0.1 U
4/18/2023	XX	SWDP6XGI1			0.052	0.04	43	8	14		9		3.5		2	0.1 U
7/11/2023	XX	SWDP6XH83			0.096	0.04 U	356	2.5 U	200		16		5.3		13	0.1 U
10/3/2023	XX	SWDP6X05B			0.14	0.16	186	48	41		17		5		6.7	0.1 U
4/2/2024	XX	SWDP6X121			0.064	0.08	124	8.3 U	16		25		2.7		2.1	0.1 U
7/16/2024	XX	SWDP6X1D3			0.05 U	0.26	240	130	30		40		5.6		1.7	0.1 U
10/9/2024	XX	SWDP6X1IE			D	D	D	D	D		D		D		D	D

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(SW-DP6)			Total Kjeldahl Nitrogen	Ammonia (N)	Nitrite/Nitrate - (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Sulfide	Bicarbonate Alkalinity (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Biochemical Oxygen Demand	Chloride	Bromide
Date	Type	Sample ID	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L

Units Abbreviations:

mg/L - MILLIGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

- ! - The sampling location was damaged or destroyed.
- * - Analysis not within control limits
- A - The sampling location was inaccessible.
- D - The sampling location was dry.
- F - The sampling location was frozen.
- F16 - Could not pump water to surface for testing/sampling
- F6 - No flow. Sample not taken.
- H - Analyzed outside U.S.EPA’s recommended hold time.
- H8 - No flow from pipe. See LF-COMP for readings
- I - The sampling location yielded insufficient quantity to collect a sample.
- J - Analyte was positively identified/Associated value is an estimate.
- M10 - Due to a identified laboratory instrumentation malfunction, this analytical result is likely elevated–the laboratory has fixed the issue.
- U - Not Detected above the laboratory reporting limit.
- UH - Not Detected above the laboratory reporting limit. Analyzed outside U.S.EPA’s recommended hold time

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(LF-LD-11)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
LF-LD-11												
7/13/2021	XX	LFXXXXE1C	UF	0.005 U	120	0.003 U	0.05 U	26	0.06	7.1	10	0.05 U
10/5/2021	XX	LFXXXXE88	UF	0.005 U	140	0.003 U	0.05 U	28	0.18	7.2	11	0.05 U
7/19/2022	XX	LFXXXXFA9	UF	0.005 U	150	0.006 U	0.17	33	0.56	7.8	12	0.05 U
7/11/2023	XX	LFXXXX005	UF	0.005 U	150	0.003 U	0.05 U	32	0.05 U	8.3	14	0.05 U
7/16/2024	XX	LFXXXX1F4	UF	0.005 U	140	0.003 U	0.05 U	29	0.05 U	7.9	15	0.05 U
LF-LD-12												
7/13/2021	XX	LFXXXXE1D	UF	0.005 U	47	0.003 U	0.19	8.1	0.77	3.2	7	0.05 U
10/5/2021	XX	LFXXXXE89	UF	0.005	91	0.003 U	0.06	16	3.3	4.5	9.2	0.05 U
7/19/2022	XX	LFXXXXFAA	UF	0.005 U	86	0.003 U	0.46	16	5.3	4.5	7.8	0.05 U
7/11/2023	XX	LFXXXX006	UF	0.005 U	77	0.003 U	1.2	13	5.9	4.2	6.3	0.05 U
7/16/2024	XX	LFXXXX1F5	UF	0.005 U	130	0.0042	5.7	21	15	5.9	14	0.05 U
LF-LD-13												
7/19/2022	XX	LFXXXXFB4	UF	0.005 U	43	0.003 U	0.05 U	9	0.48	4.1	6.4	0.05 U
7/11/2023	XX	LFXXXX010	UF	0.005 U	61	0.003 U	0.13	13	2.5	4.7	8.6	0.05 U
7/16/2024	XX	LFXXXX1FJ	UF	0.005 U	66	0.0031	0.52	14	4.6	4.6	9.6	0.05 U
LF-LD-14												
7/11/2023	XX	LFXXXX01G	UF	0.005 U	96	0.003 U	0.72	22	1.3	7	7.8	0.05 U
7/16/2024	XX	LFXXXX1GE	UF	0.005 U	120	0.003	1.6	25	4.7	6.7	7.8	0.05 U
LF-LD-15												
7/16/2024	XX	LFXXXX1H2	UF	0.005 U	160	0.0032	0.17	27	5.1	8.5	9.7	0.05 U
10/8/2024	XX	LFXXXX227	UF	0.005 U	130	0.003 U	0.062	26	3.3	7.2	9.1	0.05 U
LF-UD-1												
4/28/2015	XX	LFUD1X792		0.005 U	48.9		0.59	11.2	0.05 U	3.7	8.2	
7/14/2015	XX	LFUD1X7CE		0.013	52.8		0.05 U	10.7	0.05 U	3.5	8.1	
10/27/2015	XX	LFUD1X7I3		F6	F6		F6	F6	F6	F6	F6	
4/5/2016	XX	LFUD1X86D		0.015	48.9		0.05 U	10.2	0.05 U	3.2	8.1	
7/26/2016	XX	LFUD1X8B3		I	I		I	I	I	I	I	
10/25/2016	XX	LFUD1X8J2		F6	F6		F6	F6	F6	F6	F6	
4/18/2017	XX	LFUD1X978		0.005	45		0.22	12	0.05 U	3.5	9.2	
7/25/2017	XX	LFUD1X9D6		0.005 U	58		0.12	14	0.05 U	3.9	10	
10/25/2017	XX	LFUD1X9H1		F6	F6		F6	F6	F6	F6	F6	
4/3/2018	XX	LFUD1XA30	UF	0.005 U	57		0.05 U	13	0.05 U	3.6	9.5	
7/17/2018	XX	LFUD1XAC1		F6	F6		F6	F6	F6	F6	F6	
10/2/2018	XX	LFUD1XB0J		F6	F6		F6	F6	F6	F6	F6	
4/23/2019	XX	LFUD1XB5G	UF	0.005 U	58		0.05	10	0.05 U	3.3	7.8	
7/16/2019	XX	LFUD1XBC8		F6	F6		F6	F6	F6	F6	F6	
10/29/2019	XX	LFUD1XBI1		F6	F6		F6	F6	F6	F6	F6	
4/28/2020	XX	LFUD1XCD8		F6	F6		F6	F6	F6	F6	F6	
7/21/2020	XX	LFUD1XCI1		F6	F6		F6	F6	F6	F6	F6	
10/27/2020	XX	LFUD1XD35		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LFUD1XDC7		H8	H8		H8	H8	H8	H8	H8	
7/13/2021	XX	LFUD1XDJJ		F6	F6		F6	F6	F6	F6	F6	
10/5/2021	XX	LFUD1XE67		F6	F6		F6	F6	F6	F6	F6	
4/26/2022	XX	LFUD1XF0J		F6	F6		F6	F6	F6	F6	F6	

SEVEE & MAHER ENGINEERS, INC.
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(LF-UD-1)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
7/19/2022	XX	LFUD1XF8H		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LFUD1XFII		F6	F6		F6	F6	F6	F6	F6	
4/18/2023	XX	LFUD1XGI9		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFUD1XH8B		F6	F6		F6	F6	F6	F6	F6	
10/3/2023	XX	LFUD1X05J		F6	F6		F6	F6	F6	F6	F6	
4/2/2024	XX	LFUD1X129		D	D		D	D	D	D	D	
7/16/2024	XX	LFUD1X1DB		F6	F6		F6	F6	F6	F6	F6	
10/8/2024	XX	LFUD1X1J2		F6	F6		F6	F6	F6	F6	F6	

LF-UD-2

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	LFUD2X793		0.013	49.8		0.05 U	10.9	0.05 U	3.3	7.7	
7/14/2015	XX	LFUD2X7CF		0.013	50.8		0.05 U	10.8	0.05 U	3.4	8	
10/27/2015	XX	LFUD2X7I4		0.011	57.2		0.05 U	11.9	0.05 U	3.7	8.4	
4/5/2016	XX	LFUD2X86E		0.015	47		0.05 U	11.2	0.05 U	3	7.5	
7/26/2016	XX	LFUD2X8B4		0.024	58.9		0.12	13.5	0.05 U	4.2	9.6	
10/25/2016	XX	LFUD2X8J3		0.005 U	68.8		0.05 U	12	0.05 U	3.9	9	
4/18/2017	XX	LFUD2X979		0.005	46		0.38	12	0.05 U	3.7	10	
7/25/2017	XX	LFUD2X9D7		0.005 U	57		0.14	15	0.05 U	3.3	8.7	
10/25/2017	XX	LFUD2X9H2		0.008	68		0.71	14	0.05 U	4.6	9.6	
4/3/2018	XX	LFUD2XA31	UF	0.005 U	49		0.05 U	13	0.05 U	3.5	9.5	
7/17/2018	XX	LFUD2XAC2	UF	0.005 U	67		0.13	14	0.05 U	3.6	9.3	
10/2/2018	XX	LFUD2XB10	UF	0.005 U	70		0.05 U	14	0.05 U	4.5	12	
4/23/2019	XX	LFUD2XB5H		F6	F6		F6	F6	F6	F6	F6	
7/16/2019	XX	LFUD2XBC9	UF	0.005 U	59		0.05 U	12	0.05 U	3.8	11	
10/29/2019	XX	LFUD2XBI2	UF	0.005 U	52		0.7	10	0.05 U	3.5	9.2	
4/28/2020	XX	LFUD2XCD9	UF	0.005 U	60		0.1	11	0.05 U	3.6	9	
7/21/2020	XX	LFUD2XCI2	UF	0.005	65		2.5	15	0.13	5.4	14	
10/27/2020	XX	LFUD2XD36	UF	0.005 U	61		0.05 U	13	0.05 U	4.3	14	
4/6/2021	XX	LFUD2XDC8		H8	H8		H8	H8	H8	H8	H8	
7/13/2021	XX	LFUD2XE00		F6	F6		F6	F6	F6	F6	F6	
10/5/2021	XX	LFUD2XE68		F6	F6		F6	F6	F6	F6	F6	
4/26/2022	XX	LFUD2XF10		F6	F6		F6	F6	F6	F6	F6	
7/19/2022	XX	LFUD2XF8I		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LFUD2XFIJ		F6	F6		F6	F6	F6	F6	F6	
4/18/2023	XX	LFUD2XGIA		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFUD2XH8C		F6	F6		F6	F6	F6	F6	F6	
10/3/2023	XX	LFUD2X060		F6	F6		F6	F6	F6	F6	F6	
4/2/2024	XX	LFUD2X12A		D	D		D	D	D	D	D	
7/16/2024	XX	LFUD2X1DC		D	D		D	D	D	D	D	
10/8/2024	XX	LFUD2X1J3		F6	F6		F6	F6	F6	F6	F6	

LF-UD-3A,B

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	LFXXXX79G		F6	F6		F6	F6	F6	F6	F6	
7/14/2015	XX	LFXXXX7D8		F6	F6		F6	F6	F6	F6	F6	
10/27/2015	XX	LFXXXX7IF		F6	F6		F6	F6	F6	F6	F6	
4/5/2016	XX	LFXXXX877		F6	F6		F6	F6	F6	F6	F6	
7/26/2016	XX	LFXXXX8BH		F6	F6		F6	F6	F6	F6	F6	
10/25/2016	XX	LFXXXX8JF		F6	F6		F6	F6	F6	F6	F6	
4/18/2017	XX	LFXXXX982		F6	F6		F6	F6	F6	F6	F6	
7/25/2017	XX	LFXXXX9DJ		F6	F6		F6	F6	F6	F6	F6	

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(LF-UD-3A,B)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/25/2017	XX	LFXXXX9HE		F6	F6		F6	F6	F6	F6	F6	
4/3/2018	XX	LFXXXXA3E		F6	F6		F6	F6	F6	F6	F6	
7/17/2018	XX	LFXXXXACE		F6	F6		F6	F6	F6	F6	F6	
10/2/2018	XX	LFXXXXB1C		F6	F6		F6	F6	F6	F6	F6	
4/23/2019	XX	LFXXXXB6A		F6	F6		F6	F6	F6	F6	F6	
7/16/2019	XX	LFXXXXBD1		F6	F6		F6	F6	F6	F6	F6	
10/29/2019	XX	LFXXXXBID		F6	F6		F6	F6	F6	F6	F6	
4/28/2020	XX	LFXXXXCE1		F6	F6		F6	F6	F6	F6	F6	
7/21/2020	XX	LFXXXXCIE		F6	F6		F6	F6	F6	F6	F6	
10/27/2020	XX	LFXXXXD3H		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LFXXXXDD0		H8	H8		H8	H8	H8	H8	H8	
7/13/2021	XX	LFXXXXE0C		F6	F6		F6	F6	F6	F6	F6	
10/5/2021	XX	LFXXXXE6J		F6	F6		F6	F6	F6	F6	F6	
4/26/2022	XX	LFXXXXF1B		F6	F6		F6	F6	F6	F6	F6	
7/19/2022	XX	LFXXXXF9A		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LFXXXXFJA		F6	F6		F6	F6	F6	F6	F6	
4/18/2023	XX	LFXXXXGJ1		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFXXXXH94		F6	F6		F6	F6	F6	F6	F6	
10/3/2023	XX	LFXXXX06A		F6	F6		F6	F6	F6	F6	F6	
4/2/2024	XX	LFXXXX12J		D	D		D	D	D	D	D	
7/16/2024	XX	LFXXXX1E3		D	D		D	D	D	D	D	
10/8/2024	XX	LFXXXX1JC		F6	F6		F6	F6	F6	F6	F6	

LF-UD-4

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	LFXXXX79H		F6	F6		F6	F6	F6	F6	F6	
7/14/2015	XX	LFXXXX7D9		F6	F6		F6	F6	F6	F6	F6	
10/27/2015	XX	LFXXXX7IG		F6	F6		F6	F6	F6	F6	F6	
4/5/2016	XX	LFXXXX878		F6	F6		F6	F6	F6	F6	F6	
7/26/2016	XX	LFXXXX8BI		0.005	60.7		0.28	13.9	0.05 U	4.3	10.2	
10/25/2016	XX	LFXXXX8JG		0.005 U	75.7		0.05 U	13.8	0.05 U	4.3	9.9	
4/18/2017	XX	LFXXXX983		0.007	47		0.06	12	0.05 U	3.6	9.5	
7/25/2017	XX	LFXXXX9E0		0.005 U	57		0.13	14	0.05 U	3.9	11	
10/25/2017	XX	LFXXXX9HF		F6	F6		F6	F6	F6	F6	F6	
4/3/2018	XX	LFXXXXA3F		F6	F6		F6	F6	F6	F6	F6	
7/17/2018	XX	LFXXXXACF	UF	0.005	68		0.06	14	0.05 U	3.6	9.5	
10/2/2018	XX	LFXXXXB1D		F6	F6		F6	F6	F6	F6	F6	
4/23/2019	XX	LFXXXXB6B		F6	F6		F6	F6	F6	F6	F6	
7/16/2019	XX	LFXXXXBD2		F6	F6		F6	F6	F6	F6	F6	
10/29/2019	XX	LFXXXXBIE	UF	0.005	51		1.4	9.9	0.16	3.4	8.5	
4/28/2020	XX	LFXXXXCE2		F6	F6		F6	F6	F6	F6	F6	
7/21/2020	XX	LFXXXXCIF		F6	F6		F6	F6	F6	F6	F6	
10/27/2020	XX	LFXXXXD3I		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LFXXXXDD1		H8	H8		H8	H8	H8	H8	H8	
7/13/2021	XX	LFXXXXE0D	UF	0.005 U	57		0.15	9.5	0.05 U	4.2	11	
10/5/2021	XX	LFXXXXE70	UF	0.005	58		0.05 U	9.9	0.05 U	3.7	9.4	
4/26/2022	XX	LFXXXXF1C	UF	0.005 U	57		0.45	9.4	0.05 U	3.7	7.9	
7/19/2022	XX	LFXXXXF9B		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LFXXXXFJB	UF	0.005 U	64		0.37	11	0.05 U	4	10	
4/18/2023	XX	LFXXXXGJ2		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFXXXXH95		F6	F6		F6	F6	F6	F6	F6	

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(LF-UD-4)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/3/2023	XX	LFXXXX06B		F6	F6		F6	F6	F6	F6	F6	
4/2/2024	XX	LFXXXX130		D	D		D	D	D	D	D	
7/16/2024	XX	LFXXXX1E4		F6	F6		F6	F6	F6	F6	F6	
10/8/2024	XX	LFXXXX1JD		F6	F6		F6	F6	F6	F6	F6	
LF-UD-5and6												
4/28/2015	XX	LFXXXX79I		0.015	55.8		0.05 U	11.2	0.05 U	3.4	8.3	
7/14/2015	XX	LFXXXX7DA		I	I		I	I	I	I	I	
10/27/2015	XX	LFXXXX7IH		0.01	47.4		0.05 U	10.1	0.05 U	4.2	8	
4/5/2016	XX	LFXXXX879		0.016	54.5		0.05 U	10.4	0.05 U	3.3	8.3	
7/26/2016	XX	LFXXXX8BJ		0.024	62.3		0.05 U	12.5	0.05 U	3.8	8.8	
10/25/2016	XX	LFXXXX8JH		0.005 U	52.6		0.05 U	9.8	0.05 U	2.9	6.9	
4/18/2017	XX	LFXXXX984		0.005 U	39		0.09	10	0.05 U	3	8.1	
7/25/2017	XX	LFXXXX9E1		0.005 U	55		0.05 U	12	0.05 U	3.5	9.4	
10/25/2017	XX	LFXXXX9HG		F6	F6		F6	F6	F6	F6	F6	
4/3/2018	XX	LFXXXXA3G	UF	0.007	38		0.05 U	10	0.05 U	2.6	8	
7/17/2018	XX	LFXXXXACG	UF	0.005	52		0.05 U	9.7	0.05 U	2.7	7.2	
10/2/2018	XX	LFXXXXB1E	UF	0.005 U	54		0.62	12	0.05 U	3.1	9.2	
4/23/2019	XX	LFXXXXB6C	UF	0.005 U	42		0.05 U	9.5	0.05 U	2.4	7.5	
7/16/2019	XX	LFXXXXBD3	UF	0.005 U	45		0.05 U	10	0.05 U	2.7	8.5	
10/29/2019	XX	LFXXXXBIF	UF	0.005 U	40		0.88	9.1	0.05	2.5	7.4	
4/28/2020	XX	LFXXXXCE3	UF	0.005 U	43		0.05 U	9.5	0.05 U	2.4	7.7	
7/21/2020	XX	LFXXXXCIG	UF	0.005 U	50		0.05 U	11	0.05 U	3.1	9	
10/27/2020	XX	LFXXXXD3J		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LFXXXXDD2	UF	0.005 U	40		0.05 U	9.8	0.05 U	2.3	7.5	
7/13/2021	XX	LFXXXXE0E	UF	0.005 U	51		0.1	12	0.05 U	2.7	8.4	
10/5/2021	XX	LFXXXXE71	UF	0.005 U	48		0.05 U	11	0.05 U	2.4	8.3	
4/26/2022	XX	LFXXXXF1D	UF	0.005 U	44		0.36	11	0.05 U	3.3	8.1	
7/19/2022	XX	LFXXXXF9C	UF	0.005 U	56		0.05 U	13	0.05 U	2.7	8.8	
10/4/2022	XX	LFXXXXFJC	UF	0.005 U	52		0.59	11	0.05 U	2.5	8.2	
4/18/2023	XX	LFXXXXGJ3	UF	0.005 U	46		0.05 U	11	0.05 U	2.7	9.2	
7/11/2023	XX	LFXXXXH96	UF	0.005 U	47		0.097	10	0.05 U	2.5	8.8	
10/3/2023	XX	LFXXXX06C	UF	0.005 U	34		0.05 U	8.2	0.05 U	1.8	6.9	
4/2/2024	XX	LFXXXX131	UF	0.005 U	35		0.11	8.7	0.05 U	2.2	7.9	
7/16/2024	XX	LFXXXX1E5	UF	0.005 U	39		0.16	9.7	0.05 U	2.2	8.6	
10/8/2024	XX	LFXXXX1JE		F6	F6		F6	F6	F6	F6	F6	
LF-UD-6												
4/28/2015	XX	LFUD6X7A0		0.026	76.5		0.05 U	21.5	0.05 U	4	66.4	
7/14/2015	XX	LFUD6X7DC		0.021	87.3		0.05 U	22	0.05 U	4.1	67.6	
10/27/2015	XX	LFUD6X7IJ		0.017	84.2		0.05 U	23.7	0.05 U	4.4	66.6	
4/5/2016	XX	LFUD6X87B		0.023	79.1		0.05 U	21.8	0.05 U	4.3	64.1	
7/26/2016	XX	LFUD6X8C1		D	D		D	D	D	D	D	
10/25/2016	XX	LFUD6X8JJ		I	I		I	I	I	I	I	
4/18/2017	XX	LFUD6X986		0.005	58		0.23	15	0.05 U	4.8	14	
7/25/2017	XX	LFUD6X9E3		I	I		I	I	I	I	I	
10/25/2017	XX	LFUD6X9HI		0.005	80		0.05	6.8	0.05 U	2.6	1	
4/3/2018	XX	LFUD6XA3I	UF	0.005	48		0.05 U	6.7	0.05 U	2.2	4.6	
7/17/2018	XX	LFUD6XACI	UF	0.005	53		0.05 U	7.1	0.05 U	1.9	1.1	
10/2/2018	XX	LFUD6XB1G	UF	0.005 U	47		0.05 U	6.6	0.05 U	1.9	1.4	

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(LF-UD-6)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/23/2019	XX	LFUD6XB6E	UF	0.005	59		0.05 U	7.4	0.05 U	2.4	2	
7/16/2019	XX	LFUD6XBD5	UF	0.005 U	24		0.05 U	3.3	0.05 U	1.7	0.9	
10/29/2019	XX	LFUD6XBIH	UF	0.005 U	24		0.1	2.9	0.68	5.3	0.5	
4/28/2020	XX	LFUD6XCE5	UF	0.005 U	52		0.05 U	6	3.3	5.7	1.9	
7/21/2020	XX	LFUD6XCII		D	D		D	D	D	D	D	
10/27/2020	XX	LFUD6XD41		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LFUD6XDD4	UF	0.006	160		0.08	14	5.5	20	16	
7/13/2021	XX	LFUD6XE0G		I	I		I	I	I	I	I	
10/5/2021	XX	LFUD6XE72	UF	0.011	38		0.15	5	1.9	5	5.1	
4/26/2022	XX	LFUD6XF1E		F6	F6		F6	F6	F6	F6	F6	
7/19/2022	XX	LFUD6XF9E		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LFUD6XFJD		F6	F6		F6	F6	F6	F6	F6	
4/18/2023	XX	LFUD6XGJ4		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFUD6XH98		F6	F6		F6	F6	F6	F6	F6	
10/3/2023	XX	LFUD6X06D		F6	F6		F6	F6	F6	F6	F6	
7/16/2024	XX	LFUD6X1E7		D	D		D	D	D	D	D	
10/8/2024	XX	LFUD6X1JF		D	D		D	D	D	D	D	

LF-UD-7

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	LFUD7X7A1		F6	F6		F6	F6	F6	F6	F6	
7/14/2015	XX	LFUD7X7DD		F6	F6		F6	F6	F6	F6	F6	
10/27/2015	XX	LFUD7X7J0		F6	F6		F6	F6	F6	F6	F6	
4/5/2016	XX	LFUD7X87C		F6	F6		F6	F6	F6	F6	F6	
7/26/2016	XX	LFUD7X8C2		F6	F6		F6	F6	F6	F6	F6	
10/25/2016	XX	LFUD7X900		F6	F6		F6	F6	F6	F6	F6	
4/18/2017	XX	LFUD7X987		F6	F6		F6	F6	F6	F6	F6	
7/25/2017	XX	LFUD7X9E4		F6	F6		F6	F6	F6	F6	F6	
10/25/2017	XX	LFUD7X9HJ		F6	F6		F6	F6	F6	F6	F6	
4/3/2018	XX	LFUD7XA3J		F6	F6		F6	F6	F6	F6	F6	
7/17/2018	XX	LFUD7XACJ		F6	F6		F6	F6	F6	F6	F6	
10/2/2018	XX	LFUD7XB1H		F6	F6		F6	F6	F6	F6	F6	
4/23/2019	XX	LFUD7XB6F		F6	F6		F6	F6	F6	F6	F6	
7/16/2019	XX	LFUD7XBD6		F6	F6		F6	F6	F6	F6	F6	
10/29/2019	XX	LFUD7XBII		F6	F6		F6	F6	F6	F6	F6	
4/28/2020	XX	LFUD7XCE6		F6	F6		F6	F6	F6	F6	F6	
7/21/2020	XX	LFUD7XCIJ		F6	F6		F6	F6	F6	F6	F6	
10/27/2020	XX	LFUD7XD42		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LFUD7XDD5		H8	H8		H8	H8	H8	H8	H8	
7/13/2021	XX	LFUD7XE0H		F6	F6		F6	F6	F6	F6	F6	
10/5/2021	XX	LFUD7XE73		F6	F6		F6	F6	F6	F6	F6	
4/26/2022	XX	LFUD7XF1F		F6	F6		F6	F6	F6	F6	F6	
7/19/2022	XX	LFUD7XF9F		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LFUD7XFJE		F6	F6		F6	F6	F6	F6	F6	
4/18/2023	XX	LFUD7XGJ5		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFUD7XH99		F6	F6		F6	F6	F6	F6	F6	
10/3/2023	XX	LFUD7X06E		F6	F6		F6	F6	F6	F6	F6	
4/2/2024	XX	LFUD7X133		D	D		D	D	D	D	D	
7/16/2024	XX	LFUD7X1E8		D	D		D	D	D	D	D	
10/8/2024	XX	LFUD7X1JG		F6	F6		F6	F6	F6	F6	F6	

SEVEE & MAHER ENGINEERS, INC.
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(LF-UD-8)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
LF-UD-8												
4/28/2015	XX	LFUD8X7A2		0.005 U	11		0.75	1.1	0.05 U	1.5	2.9	
7/14/2015	XX	LFUD8X7DE		I	I		I	I	I	I	I	
10/27/2015	XX	LFUD8X7J1		F6	F6		F6	F6	F6	F6	F6	
4/5/2016	XX	LFUD8X87D		F6	F6		F6	F6	F6	F6	F6	
7/26/2016	XX	LFUD8X8C3		F6	F6		F6	F6	F6	F6	F6	
10/25/2016	XX	LFUD8X901		F6	F6		F6	F6	F6	F6	F6	
4/18/2017	XX	LFUD8X988		0.005 U	5.3		0.61	0.8	0.11	1.1	3.7	
7/25/2017	XX	LFUD8X9E5		D	D		D	D	D	D	D	
10/25/2017	XX	LFUD8X9I0		F6	F6		F6	F6	F6	F6	F6	
4/3/2018	XX	LFUD8XA40	UF	0.005 U	8.3		0.48	1.1	0.15	0.8	2.2	
7/17/2018	XX	LFUD8XAD0		D	D		D	D	D	D	D	
10/2/2018	XX	LFUD8XB1I		F6	F6		F6	F6	F6	F6	F6	
4/23/2019	XX	LFUD8XB6G	UF	0.005 U	8.7		1.1	1.3	0.1	1.6	3.5	
7/16/2019	XX	LFUD8XBD7	UF	0.005 U	6.4		1.5	1	0.05 U	1.4	2.6	
10/29/2019	XX	LFUD8XBIJ	UF	0.005 U	4.8		0.35	0.8	0.05 U	0.9	1.3	
4/28/2020	XX	LFUD8XCE7		F6	F6		F6	F6	F6	F6	F6	
7/21/2020	XX	LFUD8XCJ0		F6	F6		F6	F6	F6	F6	F6	
10/27/2020	XX	LFUD8XD43		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LFUD8XDD6		F6	F6		F6	F6	F6	F6	F6	
7/13/2021	XX	LFUD8XE0I		F6	F6		F6	F6	F6	F6	F6	
10/5/2021	XX	LFUD8XE74		F6	F6		F6	F6	F6	F6	F6	
4/26/2022	XX	LFUD8XF1G		F6	F6		F6	F6	F6	F6	F6	
7/19/2022	XX	LFUD8XF9G		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LFUD8XFJF		F6	F6		F6	F6	F6	F6	F6	
4/18/2023	XX	LFUD8XGJ6		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFUD8XH9A		F6	F6		F6	F6	F6	F6	F6	
10/3/2023	XX	LFUD8X06F		F6	F6		F6	F6	F6	F6	F6	
4/2/2024	XX	LFUD8X134		D	D		D	D	D	D	D	
7/16/2024	XX	LFUD8X1E9		D	D		D	D	D	D	D	
10/8/2024	XX	LFUD8X1JH		D	D		D	D	D	D	D	
LF-UD-9												
4/5/2016	XX	LFUD9X881		F6	F6		F6	F6	F6	F6	F6	
7/26/2016	XX	LFUD9X8CA		F6	F6		F6	F6	F6	F6	F6	
10/25/2016	XX	LFUD9X905		F6	F6		F6	F6	F6	F6	F6	
4/18/2017	XX	LFUD9X98F		0.007	55		1.4	6.8	0.06	4.3	6.5	
10/25/2017	XX	LFUD9X9I4		F6	F6		F6	F6	F6	F6	F6	
4/3/2018	XX	LFUD9XA47		F6	F6		F6	F6	F6	F6	F6	
7/17/2018	XX	LFUD9XAD4		D	D		D	D	D	D	D	
10/2/2018	XX	LFUD9XB22		F6	F6		F6	F6	F6	F6	F6	
4/23/2019	XX	LFUD9XB73		F6	F6		F6	F6	F6	F6	F6	
7/16/2019	XX	LFUD9XBDD		F6	F6		F6	F6	F6	F6	F6	
10/29/2019	XX	LFUD9XBJ3		F6	F6		F6	F6	F6	F6	F6	
4/28/2020	XX	LFUD9XCED		F6	F6		F6	F6	F6	F6	F6	
7/21/2020	XX	LFUD9XCJ6		F6	F6		F6	F6	F6	F6	F6	
10/27/2020	XX	LFUD9XD47		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LFUD9XDDA		F6	F6		F6	F6	F6	F6	F6	
7/13/2021	XX	LFUD9XE11		F6	F6		F6	F6	F6	F6	F6	

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(LF-UD-9)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/5/2021	XX	LFUD9XE78		F6	F6		F6	F6	F6	F6	F6	
4/26/2022	XX	LFUD9XF1J		F6	F6		F6	F6	F6	F6	F6	
7/19/2022	XX	LFUD9XF9J		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LFUD9XFJI		F6	F6		F6	F6	F6	F6	F6	
4/18/2023	XX	LFUD9XGJ9		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFUD9XH9D		F6	F6		F6	F6	F6	F6	F6	
10/3/2023	XX	LFUD9X06H		F6	F6		F6	F6	F6	F6	F6	
4/2/2024	XX	LFUD9X136		D	D		D	D	D	D	D	
7/16/2024	XX	LFUD9X1EB		D	D		D	D	D	D	D	
10/8/2024	XX	LFUD9X1JJ		D	D		D	D	D	D	D	

LF-UD-10

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/25/2017	XX	LFXXXX9ID		F6	F6		F6	F6	F6	F6	F6	
4/3/2018	XX	LFXXXXA48		F6	F6		F6	F6	F6	F6	F6	
7/17/2018	XX	LFU10XAD6		D	D		D	D	D	D	D	
10/3/2018	XX	LFXXXXB27		F6	F6		F6	F6	F6	F6	F6	
4/23/2019	XX	LFXXXXB74		F6	F6		F6	F6	F6	F6	F6	
7/16/2019	XX	LFXXXXBDE		F6	F6		F6	F6	F6	F6	F6	
10/29/2019	XX	LFXXXXBJ7		F6	F6		F6	F6	F6	F6	F6	
4/28/2020	XX	LFXXXXCEE		F6	F6		F6	F6	F6	F6	F6	
7/21/2020	XX	LFXXXXCJ7		F6	F6		F6	F6	F6	F6	F6	
10/27/2020	XX	LFXXXXD4B		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LFXXXXDDB		F6	F6		F6	F6	F6	F6	F6	
7/13/2021	XX	LFXXXXE12		F6	F6		F6	F6	F6	F6	F6	
10/5/2021	XX	LFXXXXE7C		F6	F6		F6	F6	F6	F6	F6	
4/26/2022	XX	LFXXXXF23		F6	F6		F6	F6	F6	F6	F6	
7/19/2022	XX	LFXXXXFA0		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LFXXXXG02		F6	F6		F6	F6	F6	F6	F6	
4/18/2023	XX	LFXXXXGJD		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFXXXXH9E		F6	F6		F6	F6	F6	F6	F6	
10/3/2023	XX	LFXXXX06I		F6	F6		F6	F6	F6	F6	F6	
4/2/2024	XX	LFXXXX137		D	D		D	D	D	D	D	
7/16/2024	XX	LFXXXX1EC		D	D		D	D	D	D	D	
10/8/2024	XX	LFXXXX200		D	D		D	D	D	D	D	

LF-UD-12+13+14

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/6/2021	XX	LFX12XDFB		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LFXXXX01F	UF	0.005 U	16	0.003 U	1.1	5.1	0.071	1.4	5.4	0.05 U
10/3/2023	XX	LFXXXX0A2		F6	F6		F6	F6	F6	F6	F6	
7/16/2024	XX	LFXXXX1GD		D	D	D	D	D	D	D	D	D

LP-UD-1

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	LPUD1X794		F6	F6		F6	F6	F6	F6	F6	
7/14/2015	XX	LPUD1X7CG		F6	F6		F6	F6	F6	F6	F6	
10/26/2015	XX	LPUD1X7I5		F6	F6		F6	F6	F6	F6	F6	
4/5/2016	XX	LPUD1X86F		F6	F6		F6	F6	F6	F6	F6	
7/26/2016	XX	LPUD1X8B5		F6	F6		F6	F6	F6	F6	F6	
10/25/2016	XX	LPUD1X8J4		F6	F6		F6	F6	F6	F6	F6	
4/18/2017	XX	LPUD1X97A		F6	F6		F6	F6	F6	F6	F6	
7/25/2017	XX	LPUD1X9D8		F6	F6		F6	F6	F6	F6	F6	

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(LP-UD-1)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/25/2017	XX	LPUD1X9H3		F6	F6		F6	F6	F6	F6	F6	
4/3/2018	XX	LPUD1XA32		F6	F6		F6	F6	F6	F6	F6	
7/17/2018	XX	LPUD1XAC3		F6	F6		F6	F6	F6	F6	F6	
10/2/2018	XX	LPUD1XB11		F6	F6		F6	F6	F6	F6	F6	
4/23/2019	XX	LPUD1XB5I	UF	0.005 U	32		0.05	8.7	0.05 U	1.7	5.5	
7/16/2019	XX	LPUD1XBCA		F6	F6		F6	F6	F6	F6	F6	
10/29/2019	XX	LPUD1XBI3		F6	F6		F6	F6	F6	F6	F6	
4/28/2020	XX	LPUD1XCDA		F6	F6		F6	F6	F6	F6	F6	
7/22/2020	XX	LPUD1XCI3		F6	F6		F6	F6	F6	F6	F6	
10/27/2020	XX	LPUD1XD37		F6	F6		F6	F6	F6	F6	F6	
4/6/2021	XX	LPUD1XDC9		F6	F6		F6	F6	F6	F6	F6	
7/13/2021	XX	LPUD1XE01		F6	F6		F6	F6	F6	F6	F6	
10/5/2021	XX	LPUD1XE69		F6	F6		F6	F6	F6	F6	F6	
4/26/2022	XX	LPUD1XF11		F6	F6		F6	F6	F6	F6	F6	
7/19/2022	XX	LPUD1XF8J		F6	F6		F6	F6	F6	F6	F6	
10/4/2022	XX	LPUD1XFJ0		F6	F6		F6	F6	F6	F6	F6	
4/18/2023	XX	LPUD1XGIB		F6	F6		F6	F6	F6	F6	F6	
7/11/2023	XX	LPUD1XH8D		F6	F6		F6	F6	F6	F6	F6	
10/3/2023	XX	LPUD1X061		F6	F6		F6	F6	F6	F6	F6	
4/2/2024	XX	LPUD1X12B		F6	F6		F6	F6	F6	F6	F6	
7/16/2024	XX	LPUD1X1DD		F6	F6		F6	F6	F6	F6	F6	
10/8/2024	XX	LPUD1X1J4		F6	F6		F6	F6	F6	F6	F6	

LP-UD-2

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	LPUD2X795		0.013	34.4		0.05 U	10	0.05 U	1.8	7	
7/14/2015	XX	LPUD2X7CH		0.01	39.3		0.05 U	9.8	0.05 U	2.4	7.6	
10/27/2015	XX	LPUD2X7I6		0.01	33.4		0.05 U	10.3	0.05 U	2.1	7	
4/5/2016	XX	LPUD2X86G		0.013	33.8		0.05 U	9.3	0.05 U	1.7	6.4	
7/26/2016	XX	LPUD2X8B6		0.024	45.8		0.11	11.3	0.19	3.4	8.2	
10/25/2016	XX	LPUD2X8J5		0.005 U	68.2		2.36	15.9	0.8	3.3	10.4	
4/18/2017	XX	LPUD2X97B		0.005	49		0.05 U	16	0.05 U	2.1	11	
7/25/2017	XX	LPUD2X9D9		0.005 U	37		0.05 U	11	0.05 U	2.4	7.5	
10/25/2017	XX	LPUD2X9H4		0.005 U	38		0.1	10	0.05 U	2.2	7	
4/3/2018	XX	LPUD2XA33	UF	0.005 U	34		0.05 U	11	0.05 U	2	7	
7/17/2018	XX	LPUD2XAC4	UF	0.007	38		0.05 U	9.5	0.05 U	2.1	6.5	
10/2/2018	XX	LPUD2XB12	UF	0.005 U	41		0.05 U	11	0.05 U	2.1	7.3	
4/23/2019	XX	LPUD2XB5J	UF	0.005 U	33		0.05 U	8.8	0.05 U	1.8	5.6	
7/16/2019	XX	LPUD2XBCB	UF	0.005 U	32		0.05 U	9.9	0.05 U	2.3	7.3	
10/29/2019	XX	LPUD2XBI4	UF	0.005 U	34		0.05 U	9.2	0.05 U	2.1	6.3	
4/28/2020	XX	LPUD2XCDB	UF	0.005 U	36		0.05 U	10	0.05 U	1.7	6.1	
7/21/2020	XX	LPUD2XCI4	UF	0.005 U	38		0.17	12	0.05 U	2.8	7.9	
10/27/2020	XX	LPUD2XD38	UF	0.005 U	40		0.61	12	0.05 U	2.1	7.4	
4/6/2021	XX	LPUD2XDCA	UF	0.005 U	38		0.05 U	10	0.05 U	1.7	5.5	
7/13/2021	XX	LPUD2XE02	UF	0.005 U	42		0.1	11	0.05 U	2.2	7	
10/5/2021	XX	LPUD2XE6A	UF	0.005 U	40		0.05 U	10	0.05 U	2.1	6.7	
4/26/2022	XX	LPUD2XF12	UF	0.005 U	40		0.05 U	10	0.05 U	2.3	5.9	
7/19/2022	XX	LPUD2XF90	UF	0.005 U	46		0.18	13	0.05 U	2.4	7.5	
10/4/2022	XX	LPUD2XFJ1	UF	0.005 U	43		0.081	10	0.05 U	2	6.5	
4/18/2023	XX	LPUD2XGIC	UF	0.005 U	43		1.5	11	0.14	1.9	6.5	
7/11/2023	XX	LPUD2XH8E	UF	0.005 U	45		1.5	12	0.12	2.5	7.5	

SEVEE & MAHER ENGINEERS, INC.
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(LP-UD-2)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/3/2023	XX	LPUD2X062	UF	0.005 U	37		0.05 U	9.8	0.05 U	2	6.7	
4/2/2024	XX	LPUD2X12C	UF	0.005 U	32		0.99	8.8	0.05 U	1.6	5	
7/16/2024	XX	LPUD2X1DE	UF	0.005 U	38		3.4	10	0.1	2.3	6.3	
10/8/2024	XX	LPUD2X1J5	UF	0.005 U	39		0.46	9.9	0.05 U	1.7	5.5	

MW-04-09A

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
2/26/2020	XX	GWX09AC56	UF	0.007	19	0.004	1.4	7	0.18	3.2	20	
2/26/2020	XX	GWX09AIOA		0.007	19	0.003 U	0.22	6.7	0.14	2.8	19	
4/30/2020	XX	GWX09ACC1	UF	0.008	22	0.003 U	1.1	7.3	0.32	2.8	26	
6/23/2020	XX	GWX09ACGC	UF	0.005	21	0.003 U	0.48	7.5	0.29	3.6	43	
8/20/2020	XX	GWX09AD1J	UF	0.006	22	0.003 U	0.46	7.5	0.29	3.6	53	
7/15/2021	XX	GWXXXXE20	UF	0.005 U	21	0.003	0.25	6.6	0.3	2.9	45	0.05 U
10/7/2021	XX	GWX09AE86	UF	0.005 U	23	0.003 U	0.72	6.7	0.33	2.6	37	0.05 U
4/27/2022	XX	GWX09AF2C	UF	0.005 U	24	0.0054	0.2	7	0.2	3	37	0.05 U
7/20/2022	XX	GWXXXXFAF	UF	0.005 U	24	0.0039	0.07	7.3	0.2	3.3	32	0.05 U
10/5/2022	XX	GWX09AG0B	UF	0.005 U	23	0.003 U	0.11	6.5	0.26	2.1	30	0.05 U
4/19/2023	XX	GWX09AH02	UF	0.0072	26	0.003 U	0.71	7.8	0.25	2.4	34	0.05 U
7/12/2023	XX	GWXXXX00B	UF	0.005 U	22	0.0039	0.3	6.8	0.26	2.1	31	0.05 U
10/4/2023	XX	GWX09A077	UF	0.005 U	22	0.0033	0.24	6.1	0.24	1.9	26	0.05 U
4/10/2024	XX	GWX09A13G	UF	0.005 U	20	0.01	0.18	5.6	0.2	1.8	28	0.05 U
7/17/2024	XX	GWXXXX1FA	UF	0.005 U	22	0.0036	0.14	6.1	0.21	1.9	28	0.05 U
10/9/2024	XX	GWX09A209	UF	0.005 U	20	0.003 U	0.19	5.9	0.27	1.8	30	0.05 U

MW-04-09B

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
2/26/2020	XX	GWX09BC57	UF	0.005 U	11	0.003 U	0.16	4.1	0.05 U	0.9	5	
4/30/2020	XX	GWX09BCC2	UF	0.005 U	8.1	0.003 U	0.28	3.1	0.05 U	0.7	5.6	
6/23/2020	XX	GWX09BCGD	UF	0.005 U	8.1	0.003 U	0.22	3.6	0.05 U	0.9	5.4	
8/20/2020	XX	GWX09BD20	UF	0.005	8.4	0.003 U	0.14	3.6	0.05 U	1	5.3	
7/15/2021	XX	GWXXXXE21	UF	0.005 U	9	0.003 U	0.25	3.6	0.05 U	0.7	4	0.05 U
10/7/2021	XD	GWDP5XE8E	UF	0.005 U	10	0.003 U	0.09	3.8	0.05 U	0.7	4	0.05 U
10/7/2021	XX	GWX09BE87	UF	0.005 U	10	0.003 U	0.32	3.7	0.05 U	0.7	4.2	0.05 U
4/27/2022	XD	GWDP5XF30	UF	0.005 U	9.5	0.003 U	0.09	3.7	0.05 U	1.7	5.1	0.05 U
4/27/2022	XX	GWX09BF2D	UF	0.005 U	9.3	0.003 U	0.07	3.7	0.05 U	1.5	5.1	0.05 U
7/20/2022	XX	GWXXXXFAG	UF	0.005 U	9.5	0.003 U	0.13	3.6	0.05 U	1.3	5	0.05 U
10/5/2022	XD	GWDP5XG0J	UF	0.005 U	9.2	0.0061	0.12	3.7	0.05 U	0.63	4.5	0.05 U
10/5/2022	XX	GWX09BG0C	UF	0.005 U	9.7	0.003 U	0.24	3.8	0.05 U	0.71	4.6	0.05 U
4/19/2023	XX	GWX09BH03	UF	0.005 U	9	0.003 U	0.2	3.8	0.05 U	0.62	4.4	0.05 U
7/12/2023	XX	GWXXXX00C	UF	0.005 U	8.9	0.003 U	0.23	3.8	0.05 U	0.63	4.3	0.05 U
10/4/2023	XX	GWX09B078	UF	0.005 U	10	0.003 U	0.084	4.1	0.05 U	0.65	4.3	0.05 U
4/10/2024	XX	GWX09B13H	UF	0.005 U	6.7	0.012	0.12	2.6	0.05 U	0.45	3.8	0.05 U
7/17/2024	XX	GWXXXX1FB	UF	0.005 U	8.1	0.0061	0.13	3.1	0.05 U	0.54	3.9	0.05 U
10/9/2024	XX	GWX09B20A	UF	0.005 U	9.1	0.003 U	0.08	3.7	0.05 U	0.6	4.1	0.05 U

MW04-102

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/29/2015	XX	GW102X79C		0.015	26.6		0.05 U	7	0.05 U	1.5	7.2	
7/14/2015	XX	GW102X7D4		0.009	26.5		0.05 U	6.3	0.05 U	1.5	7	
10/28/2015	XX	GW102X7ID		0.006	24.3		0.05 U	6.6	0.05 U	1.7	7	
4/5/2016	XX	GW102X873		0.008	26		0.05 U	6.5	0.05 U	1.4	6.8	
7/26/2016	XX	GW102X8BD		0.013	28.2		0.06	7	0.05 U	1.7	7.3	
10/25/2016	XX	GW102X8JC		0.005	30		0.19	7.2	0.05 U	2.4	8.7	

(MW04-102)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/19/2017	XX	GW102X97I		0.006	25		0.05 U	7.1	0.05 U	1.6	6.9	
7/26/2017	XX	GW102X9DG		0.005 U	24		0.05 U	6.4	0.05 U	1.6	7.3	
10/25/2017	XX	GW102X9HB		0.005 U	28		0.12	7.1	0.05 U	1.9	8.4	
4/4/2018	XX	GW102XA3A	UF	0.005 U	25		0.11	7.1	0.05 U	1.4	7.5	
7/18/2018	XX	GW102XACB	UF	0.005 U	28		0.09	7	0.05 U	1.7	7.9	
10/3/2018	XX	GW102XB19	UF	0.005 U	27		0.05 U	6.9	0.05 U	1.7	7	
4/24/2019	XX	GW102XB66	UF	0.005	26		0.14	7.1	0.05 U	1.5	7.1	
7/17/2019	XX	GW102XBCH	UF	0.005 U	24		0.05 U	7.1	0.05 U	1.7	7.9	
10/28/2019	XX	GW102XBIA	UF	0.005	24		0.05 U	6.6	0.05 U	1.6	6.9	
4/27/2020	XX	GW102XCDH	UF	0.005 U	28		0.05 U	7.5	0.05 U	1.5	7.2	
7/20/2020	XX	GW102XCIA	UF	0.005 U	25		0.06	6.9	0.05 U	2	8	
10/26/2020	XX	GW102XD3E	UF	0.005 U	26		0.05 U	6.9	0.05 U	1.4	8	
4/5/2021	XX	GW102XDCG	UF	0.005 U	27		0.05 U	7.3	0.05 U	1.4	7.2	
7/12/2021	XX	GW102XE08	UF	0.005	26		0.05 U	6.4	0.05 U	1.4	6.3	
10/4/2021	XX	GW102XE6G	UF	0.005	27		0.05 U	6.8	0.05 U	1.6	6.7	
4/25/2022	XX	GW102XF18	UF	0.005 U	30		0.05 U	7.6	0.05 U	2.4	8.4	
7/18/2022	XX	GW102XF96	UF	0.005 U	27		0.06	7.2	0.05 U	1.6	7.2	
10/3/2022	XX	GW102XFJ7	UF	0.005 U	29		0.059	7.1	0.05 U	1.7	6.9	
4/17/2023	XX	GW102XGII	UF	0.0078	30		0.05 U	7.9	0.05 U	1.6	7.5	
7/10/2023	XX	GW102XH90	UF	0.005 U	30		0.073	7.5	0.05 U	1.5	6.9	
10/2/2023	XX	GW102X067	UF	0.005 U	27		0.05 U	7.1	0.05 U	1.6	7	
4/1/2024	XX	GW102X12H	UF	0.005 U	28		0.11	7	0.05 U	1.5	7.4	
7/15/2024	XX	GW102X1DJ	UF	0.005 U	30		0.05 U	7.2	0.05 U	1.6	7.3	
10/7/2024	XX	GW102X1JA	UF	0.027	26		0.054	7	0.05 U	1.6	6.5	

MW04-109 & MW04-109R

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	GW109X79D		0.019	63.4		0.05 U	10.4	0.33	1.8	6.9	
7/14/2015	XX	GW109X7D5		0.015	57.3		0.05 U	9.4	0.5	1.7	6.5	
10/27/2015	XX	GW109X7IE		0.017	54		0.05 U	10.8	0.64	2	7.3	
4/5/2016	XX	GW109X874		0.024	61.2		0.05 U	9.5	0.58	1.7	6.1	
7/26/2016	XX	GW109X8BE		0.031	62.9		0.05 U	11.1	0.85	1.9	7.3	
10/25/2016	XX	GW109X8JD		0.005	65.9		0.05 U	11.1	0.98	2.3	7.8	
4/18/2017	XX	GW109X97J		0.005 U	62		0.05 U	12	0.78	2	6.9	
7/25/2017	XX	GW109X9DH		0.005 U	68		0.05 U	12	1.4	2.1	6.9	
10/24/2017	XX	GW109X9HC		0.006	69		0.05 U	12	1.4	2	7.1	
4/3/2018	XX	GW109XA3B	UF	0.005 U	67		0.05 U	13	0.48	2.2	7.8	
7/17/2018	XX	GW109XACC	UF	0.005	67		0.05 U	12	1.1	1.8	6.4	
10/2/2018	XX	GW109XB1A	UF	0.005 U	67		0.05 U	12	1.3	2.1	7.5	
4/23/2019	XX	GW109XB67	UF	0.005 U	64		0.05 U	13	0.53	1.9	6.8	
7/16/2019	XX	GW109XBCI	UF	0.005 U	65		0.05 U	13	1.2	1.9	7.4	
10/29/2019	XX	GW109XBIB	UF	0.005 U	60		0.05 U	12	1.3	2.3	7.5	
4/28/2020	XX	GW109XCDI	UF	0.005 U	59		0.05 U	12	0.37	1.8	6.5	
7/21/2020	XX	GW109XCIB	UF	0.005 U	58		0.05 U	13	0.96	2.3	7.6	
10/27/2020	XX	GW109XD3F	UF	0.005 U	53		0.05 U	11	1.3	1.7	7	
4/6/2021	XX	GW109XDCH	UF	0.005 U	57		0.05 U	12	0.26	1.8	6.1	
7/13/2021	XX	GW109XE09	UF	0.005 U	57		0.05 U	12	0.97	2.4	8	
10/5/2021	XX	GW109XE6H	UF	0.007	59		0.05 U	12	1.4	1.8	6.7	
4/26/2022	XX	GW109XF19	UF	0.005 U	57		0.05 U	11	0.17	2.6	6.6	
7/19/2022	XD	GWDP7XFBI	UF	0.005 U	54		0.05 U	12	0.95	1.6	6	
7/19/2022	XX	GW109XF97	UF	0.005 U	56		0.05	13	0.83	1.8	6.4	

SEVEE & MAHER ENGINEERS, INC.
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(MW04-109 & MW04-109R)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/4/2022	XX	GW109XFJ8	UF	0.005 U	58		0.05 U	11	1.1	1.9	6.6	
4/18/2023	XX	GW109XGIJ	UF	0.005 U	60		0.05 U	12	0.27	2.2	6.9	
7/11/2023	XD	GWDP8X01C	UF	0.005 U	54		0.12	12	6.6	1.7	5.9	
7/11/2023	XX	GW109XH91	UF	0.005 U	57		0.11	12	6	2.2	7.1	
10/2/2023	XX	GW109X068	UF	0.005 U	49		0.05 U	11	3.6	1.7	6.3	
4/2/2024	XX	GW109X12I	UF	0.005 U	51		0.05 U	11	0.39	1.9	6	
7/16/2024	XD	GWDP8X1GB	UF	0.005 U	54		0.14	11	5.2	1.6	5.7	
7/16/2024	XX	GW109X1E0	UF	0.005 U	52		0.13	9.9	5.6	1.6	5.5	
10/8/2024	XX	GW109X1JB	UF	0.005 U	41		0.058	9.4	4.1	2.3	7.2	

MW06-01

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/10/2018	XD	GWDP1XA68	UF	0.005 U	8.7	0.003 U	0.05 U	2.5	0.05 U	0.4	2.7	
4/10/2018	XX	GWXXXXA70	UF	0.005 U	8.6	0.003 U	0.05 U	2.4	0.05 U	0.4	2.7	
6/4/2018	XX	GWXXXXA7H	UF	0.005 U	11	0.003 U	0.05 U	3	0.05 U	0.4	2.9	
7/18/2018	XX	GWXXXXAEF	UF	0.005 U	10		0.05 U	2.6	0.05 U	0.4	2.8	
8/20/2018	XD	GWDP1XAF4	UF	0.005 U	9.2		0.05 U	2.4	0.05 U	0.4	2.6	
8/20/2018	XX	GWXXXXAFG	UF	0.005 U	9		0.05 U	2.5	0.05 U	0.4	2.5	
4/24/2019	XX	GWXXXXB7D	UF	0.005 U	8.4		0.66	2.6	0.05 U	0.6	2.7	
7/18/2019	XX	GWXXXXBE1	UF	0.005 U	9		0.05 U	3.2	0.05 U	0.6	3.4	
10/30/2019	XX	GWXXXXBJ8	UF	0.005 U	8.5		0.05 U	2.5	0.05 U	0.5	2.7	
4/29/2020	XX	GWXXXXCF1	UF	0.005 U	9.5		0.05 U	2.7	0.05 U	0.6	2.9	
7/22/2020	XX	GWXXXXCJE	UF	0.005 U	8.9		0.05 U	2.9	0.05 U	0.9	3.5	
10/28/2020	XX	GWXXXXD4C	UF	0.005 U	9.3		0.05 U	2.9	0.05 U	0.5	3.4	
4/7/2021	XX	GWXXXXDDI	UF	0.005 U	12		0.05 U	3.5	0.05 U	0.5	3.2	0.05 U
7/14/2021	XX	GWXXXXE19	UF	0.005 U	12		0.05	3.3	0.05 U	0.4	2.9	
10/6/2021	XX	GWXXXXE7D	UF	0.005 U	13		0.05 U	3.6	0.05 U	0.5	3.3	
4/27/2022	XX	GWXXXXF24	UF	0.005 U	23		0.05 U	6.2	0.05 U	1.7	5.9	
7/20/2022	XX	GWXXXXFA7	UF	0.005 U	21	0.003 U	0.05 U	6.4	0.05 U	0.98	4.8	0.05 U
10/5/2022	XX	GWXXXXG03	UF	0.005 U	21	0.003 U	0.05 U	5.6	0.05 U	0.61	4	0.05 U
4/19/2023	XX	GWXXXXGJE	UF	0.005 U	26		0.05 U	7.6	0.05 U	0.79	4.7	
7/12/2023	XX	GWXXXX003	UF	0.005 U	26	0.003 U	0.05 U	7.6	0.05 U	0.71	4.8	0.05 U
10/4/2023	XX	GWXXXX06J	UF	0.005 U	26	0.003 U	0.051	7.3	0.05 U	0.82	5.2	0.05 U
4/10/2024	XX	GWXXXX138	UF	0.005 U	32	0.11	0.05 U	8.3	0.05 U	0.81	5	0.05 U
7/17/2024	XX	GWXXXX1F2	UF	0.005 U	27	0.003 U	0.05 U	7.7	0.05 U	0.77	5	0.05 U
10/9/2024	XX	GWXXXX201	UF	0.005 U	25	0.003 U	0.05 U	7.6	0.05 U	0.78	5.1	0.05 U

MW-08-01

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
2/9/2021	XX	GWXXXXDA0	UF	0.005	11	0.003 U	0.32	2.9	0.05 U	1.1	31	0.05 U
4/7/2021	XX	GWXXXXDAJ	UF	0.005 U	13	0.003 U	0.05 U	2.9	0.05 U	1.3	35	0.05 U
6/9/2021	XX	GWXXXXDH2	UF	0.005	13	0.003 U	0.05	3.2	0.05 U	1.3	26	0.05 U
8/19/2021	XX	GWXXXXE4G	UF	0.005 U	13	0.003 U	0.05 U	2.8	0.05 U	1.3	27	0.05 U
10/4/2021	XX	GWXXXXE9B	UF	0.005 U	14	0.003 U	0.05 U	3.1	0.05 U	1.3	26	0.05 U
4/27/2022	XX	GWXXXXF3G	UF	0.005 U	18	0.003 U	0.4	3.4	0.05 U	2.7	32	0.05 U
7/21/2022	XX	GWXXXXFBD	UF	0.005 U	19	0.005	0.4	4.1	0.05 U	2.6	20	0.05 U
10/5/2022	XX	GWXXXXG1F	UF	0.005 U	23	0.003 U	0.18	4.5	0.05 U	1.5	18	0.05 U
4/17/2023	XX	GWXXXXH16	UF	0.0078	24	0.003 U	0.05 U	5.4	0.05 U	1.7	17	0.05 U
7/13/2023	XX	GWXXXX019	UF	0.005 U	24	0.003 U	0.05 U	5.3	0.05 U	1.6	16	0.05 U
10/5/2023	XX	GWXXXX08B	UF	0.005 U	23	0.003 U	0.069	4.9	0.05 U	1.6	15	0.05 U
4/11/2024	XX	GWXXXX150	UF	0.005 U	23	0.045	0.05 U	5	0.05 U	1.5	14	0.05 U
7/17/2024	XX	GWXXXX1G8	UF	0.005 U	23	0.0032	0.06	5.6	0.05 U	1.7	18	0.05 U

(MW-08-01)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/10/2024	XX	GWXXXX21D	UF	0.005 U	21	0.003 U	0.05 U	5.1	0.05 U	1.4	13	0.05 U

MW09-901

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	GW901X78G		0.012	33.5		0.05 U	9.3	0.05 U	2.1	12.1	
7/14/2015	XX	GW901X7C8		0.011	33.2		0.05 U	9.1	0.05 U	2.2	10.6	
10/27/2015	XX	GW901X7HH		0.011	32.1		0.05 U	10.7	0.05 U	2.5	12.7	
4/5/2016	XD	GWDP1X85F		0.016	36.4		0.05 U	9.6	0.05 U	2.1	11	
4/5/2016	XX	GW901X867		0.015	36.6		0.05 U	10	0.05 U	2.1	11.3	
7/26/2016	XD	GWDP1X8A5		0.02	41		0.05 U	11.8	0.05 U	2.5	12.4	
7/26/2016	XX	GW901X8AH		0.019	41.5		0.05 U	11.6	0.05 U	2.5	11.9	
10/25/2016	XX	GW901X8IG		0.005	46.2		0.05 U	11.5	0.05 U	2.6	14.4	
4/18/2017	XD	GWDP1X96A		0.005 U	38		0.05 U	12	0.05 U	2.2	10	
4/18/2017	XX	GW901X972		0.006	39		0.05 U	13	0.05 U	2.6	12	
7/25/2017	XD	GWDP1X9C8		0.005 U	50		0.05 U	14	0.05 U	2.6	11	
7/25/2017	XX	GW901X9D0		0.005 U	50		0.05 U	14	0.05 U	2.6	11	
10/24/2017	XX	GW901X9GF		0.005 U	53		0.05 U	14	0.05 U	2.3	11	
4/3/2018	XD	GWDP1XA21	UF	0.005 U	51		0.05 U	16	0.05 U	2.5	12	
4/3/2018	XX	GW901XA2E	UF	0.005 U	50		0.05	13	0.05 U	2.3	10	
7/17/2018	XD	GWDP1XAB3	UF	0.005 U	51		0.05 U	12	0.05 U	2	8.2	
7/17/2018	XX	GW901XABF	UF	0.005 U	56		0.05 U	13	0.05 U	2.2	8.7	
10/2/2018	XX	GW901XB0D	UF	0.005 U	58		0.05 U	14	0.05 U	2.3	11	
4/23/2019	XD	GWDP1XB4H	UF	0.005 U	49		0.05 U	12	0.05 U	1.8	9.8	
4/23/2019	XX	GW901XB5A	UF	0.005 U	49		0.05 U	12	0.05 U	1.8	9.8	
7/16/2019	XD	GWDP1XBBA	UF	0.005 U	49		0.05 U	13	0.05 U	1.9	11	
7/16/2019	XX	GW901XBC2	UF	0.005 U	51		0.05 U	13	0.05 U	1.8	11	
10/29/2019	XX	GW901XBHF	UF	0.005 U	44		0.05 U	11	0.05 U	1.9	10	
4/28/2020	XD	GWDP1XCCA	UF	0.005 U	46		0.05 U	12	0.05 U	1.7	8.8	
4/28/2020	XX	GW901XCD2	UF	0.005 U	46		0.05 U	12	0.05 U	1.7	8.9	
7/21/2020	XD	GWDP1XCH3	UF	0.005 U	42		0.05 U	12	0.05 U	2.9	9.9	
7/21/2020	XX	GW901XCHF	UF	0.005 U	45		0.05 U	13	0.05 U	2	9.9	
10/27/2020	XX	GW901XD2J	UF	0.005 U	43		0.05 U	12	0.12	1.6	10	
4/6/2021	XD	GWDP1XDB9	UF	0.005 U	48		0.05 U	14	0.05 U	1.8	8.7	
4/6/2021	XX	GW901XDC1	UF	0.005 U	47		0.05 U	13	0.05 U	1.6	8.3	
7/13/2021	XD	GWDP1XDJ1	UF	0.005	41		0.05 U	12	0.05 U	1.5	8.3	
7/13/2021	XX	GW901XDJD	UF	0.005 U	42		0.05 U	12	0.05 U	1.6	8.6	
10/5/2021	XX	GW901XE61	UF	0.005 U	43		0.05 U	12	0.07	1.5	8.4	
4/26/2022	XX	GW901XF0D	UF	0.005 U	53		0.05 U	16	0.05 U	2.1	8.9	
7/19/2022	XD	GWDP1XF7J	UF	0.005 U	47		0.05 U	14	0.05	1.6	8.6	
7/19/2022	XX	GW901XF8B	UF	0.005 U	47		0.05 U	14	0.06	1.6	8.7	
10/4/2022	XX	GW901XFIC	UF	0.005 U	39		0.05 U	11	0.05 U	1.4	7.8	
4/18/2023	XX	GW901XGI3	UF	0.005 U	51		0.05 U	17	0.05 U	2	12	
7/11/2023	XD	GWDP1XH7D	UF	0.005 U	48		0.05 U	14	0.08	1.6	9.2	
7/11/2023	XX	GW901XH85	UF	0.005 U	51		0.05 U	15	0.075	1.8	9.6	
10/2/2023	XX	GW901X05D	UF	0.005 U	29		0.05 U	9.4	0.14	1	6.7	
4/2/2024	XX	GW901X123	UF	0.005 U	42		0.05 U	12	0.05 U	1.5	8.2	
7/16/2024	XD	GWDP1X1CD	UF	0.005 U	45		0.05 U	12	0.05 U	1.4	8.5	
7/16/2024	XX	GW901X1D5	UF	0.005 U	45		0.05 U	12	0.05 U	1.4	8.3	
10/8/2024	XX	GW901X1IG	UF	0.17	34		0.05 U	9.9	0.05 U	1.4	7.4	

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(MW-206)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/27/2015	XX	GW206X77J		0.01	16.2		0.19	4.6	0.05 U	0.7	4.4	
7/13/2015	XX	GW206X7BB		0.012	17.5		0.05 U	4.8	0.05 U	0.7	4.7	
7/13/2015	XD	GWDP3X7C7		0.016	15.7		0.05 U	4.3	0.05 U	0.6	4.2	
10/26/2015	XX	GW206X7H0		0.016	14.9		0.05 U	4.7	0.05 U	0.7	4.7	
4/4/2016	XX	GW206X85A		0.005	15.9		0.05 U	4.5	0.05 U	0.7	4.2	
7/25/2016	XD	GWDP4X8B2		0.021	17.3		0.05 U	4.8	0.05 U	0.7	4.3	
7/25/2016	XX	GW206X8A0		0.022	16.9		0.05 U	4.7	0.05 U	0.7	4.3	
10/24/2016	XX	GW206X8HJ		0.008	17.5		0.05 U	5	0.05 U	0.9	4.8	
4/17/2017	XX	GW206X965		0.01	17		0.05	5.2	0.05 U	0.8	5	
7/24/2017	XD	GWDP4X9D5		0.008	16		0.05 U	4.8	0.05 U	0.5	4.3	
7/24/2017	XX	GW206X9C3		0.005 U	16		0.05 U	4.8	0.05 U	0.6	4.4	
10/23/2017	XX	GW206X9FI		0.007	17		0.05	5.1	0.05 U	0.8	4.8	
4/2/2018	XX	GW206XA1G	UF	0.008	19		0.3	5.9	0.05 U	0.9	5.5	
7/16/2018	XD	GWDP4XAC0	UF	0.008	17		0.05 U	4.9	0.05 U	0.8	4.5	
7/16/2018	XX	GW206XAAI	UF	0.007	17		0.09	4.8	0.05 U	0.7	4.5	
10/1/2018	XX	GW206XAJG	UF	0.007	18		0.05	5.3	0.05 U	0.7	4.8	
4/22/2019	XX	GW206XB4C	UF	0.005	18		0.25	5.3	0.05 U	0.7	4.6	
7/17/2019	XX	GW206XBB5	UF	0.006	16		0.05 U	5.4	0.05 U	0.8	5.2	
10/28/2019	XX	GW206XBGJ	UF	0.006	16		0.05	4.8	0.05 U	0.8	4.5	
4/27/2020	XX	GW206XCC5	UF	0.006	18		0.09	5.2	0.05 U	0.7	4.6	
7/20/2020	XX	GW206XCGI	UF	0.005	16		0.05 U	4.9	0.05 U	0.8	4.7	
10/26/2020	XX	GW206XD23	UF	0.005	16		0.2	4.8	0.05 U	0.4	4.3	
4/5/2021	XX	GW206XDB4	UF	0.006	18		0.05 U	5.3	0.05 U	0.7	4.6	
7/14/2021	XX	GW206XDIG	UF	0.005 U	16	0.003 U	0.05 U	4.6	0.05 U	0.5	4	0.05 U
10/4/2021	XX	GWXXXXE8D	UF	0.009	18	0.003 U	0.05 U	4.9	0.05 U	0.8	4.5	0.05 U
4/25/2022	XX	GWXXXXF2J	UF	0.005 U	20	0.003 U	0.05 U	5.6	0.05 U	2.3	5.9	0.05 U
7/18/2022	XX	GW206XF7E	UF	0.0055	18	0.003 U	0.05 U	5.3	0.05 U	0.81	4.5	0.05 U
10/3/2022	XX	GWXXXXG0I	UF	0.005 U	18	0.0063	0.05 U	5	0.05 U	0.78	4.6	0.05 U
4/17/2023	XX	GWXXXXH09	UF	0.009	18	0.003 U	0.05 U	5.4	0.05 U	0.73	4.6	0.05 U
7/10/2023	XX	GW206XH78	UF	0.005 U	19	0.011	0.61	5.1	0.05 U	0.7	4.4	0.05 U
10/2/2023	XX	GWXXXX07E	UF	0.005 U	17	0.003 U	0.05 U	4.6	0.05 U	0.81	4.6	0.05 U
4/1/2024	XX	GWXXXX143	UF	0.005 U	18	0.03	0.05 U	4.9	0.05 U	0.73	4.7	0.05 U
7/15/2024	XX	GW206X1C8	UF	0.005 U	18	0.003 U	0.28	4.9	0.05 U	0.71	4.5	0.05 U
10/7/2024	XX	GWXXXX20G	UF	0.005 U	15	0.003 U	0.05 U	4.5	0.05 U	0.63	3.8	0.05 U

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Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	GW223A781		0.012	75.4		0.05 U	8.2	0.05 U	0.8	4.6	
4/28/2015	XD	GWDP1X784		0.013	75.4		0.05 U	8.1	0.05 U	0.8	4.6	
7/14/2015	XX	GW223A7BD		0.015	76		0.05 U	7.5	0.05 U	0.8	4.3	
10/27/2015	XX	GW223A7H2		0.01	71.3		0.05 U	8.3	0.05 U	0.8	4.7	
4/27/2016	XX	GW223A85C		0.034	85.6		0.05 U	8.9	0.05 U	0.8	4.8	
7/26/2016	XX	GW223A8A2		0.021	83.9		0.05 U	9.1	0.05 U	0.9	4.9	
10/25/2016	XX	GW223A8I1		0.006	89.3		0.05 U	9	0.05 U	0.9	5.1	
4/18/2017	XX	GW223A967		0.005	78		0.05 U	9.6	0.05 U	0.9	5.1	
7/25/2017	XX	GW223A9C5		0.005 U	93		0.05 U	10	0.05 U	0.9	5.6	
10/24/2017	XX	GW223A9G0		0.005	93		0.05 U	10	0.05 U	0.9	5.5	
4/3/2018	XX	GW223AA1I	UF	0.005 U	86		0.05 U	11	0.05 U	1	5.9	
7/17/2018	XX	GW223AAB0	UF	0.006	91		0.05 U	8.9	0.05 U	0.7	4.3	
10/2/2018	XX	GW223AAJI	UF	0.005 U	98		0.05 U	11	0.05 U	0.9	6	
4/23/2019	XX	GW223AB4E	UF	0.005 U	91		0.05 U	10	0.05 U	0.9	5.4	

SEVEE & MAHER ENGINEERS, INC.
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(MW-223A)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
7/16/2019	XX	GW223ABB7	UF	0.005 U	89		0.05 U	10	0.05 U	1	6	
10/29/2019	XX	GW223ABH0	UF	0.005 U	92		0.05 U	10	0.05 U	1	5.4	
4/28/2020	XX	GW223ACC7	UF	0.005 U	100		0.05 U	11	0.05	1	5.6	
7/21/2020	XX	GW223ACH0	UF	0.005 U	94		0.05 U	11	0.05 U	1.2	6.2	
10/27/2020	XX	GW223AD24	UF	0.005 U	100		0.05 U	11	0.05 U	0.9	6.2	
4/6/2021	XX	GW223ADB6	UF	0.005 U	100		0.05 U	11	0.05 U	0.9	5.5	
7/13/2021	XX	GW223ADII	UF	0.005 U	99		0.05 U	11	0.05 U	1	5.7	
10/5/2021	XX	GW223AE56	UF	0.005 U	110		0.05 U	11	0.05 U	1	6.2	
4/26/2022	XX	GW223AEJI	UF	0.005 U	110		0.05 U	12	0.05 U	1.9	6.6	
7/19/2022	XX	GW223AF7G	UF	0.005 U	110		0.05 U	12	0.05 U	0.94	5.8	
10/4/2022	XX	GW223AFHH	UF	0.005 U	120		0.05 U	12	0.05 U	0.99	5.9	
4/18/2023	XX	GW223AGH8	UF	0.005 U	110		0.05 U	12	0.05 U	1.1	6.2	
7/11/2023	XX	GW223AH7A	UF	0.005 U	110		0.05 U	12	0.05 U	1.1	6.4	
10/2/2023	XX	GW223A04H	UF	0.005 U	76		0.05 U	8.5	0.05 U	0.73	4.6	
4/2/2024	XX	GW223A118	UF	0.005 U	110		0.05 U	11	0.05 U	1	6.5	
7/15/2024	XX	GW223A1CA	UF	0.005 U	110		0.05 U	12	0.05 U	0.95	6.2	
10/8/2024	XX	GW223A1I1	UF	0.033	91		0.05 U	9.7	0.05 U	0.9	5.3	

MW-223B

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/28/2015	XX	GW223B798		0.012	49.9		0.05	12	0.05 U	0.7	5	
7/14/2015	XX	GW223B7D0		0.012	50		0.05	11.7	0.05 U	0.8	4.9	
10/27/2015	XX	GW223B7I9		0.009	46.1		0.05 U	12.2	0.05 U	0.8	4.9	
4/5/2016	XX	GW223B86J		0.014	52.5		0.51	11.7	0.05 U	0.7	4.8	
7/26/2016	XX	GW223B8B9		0.017	57.2		0.08	13.5	0.05 U	0.8	5.1	
10/25/2016	XX	GW223B8J8		0.005 U	61.7		0.05 U	13.5	0.05 U	0.9	5.3	
4/18/2017	XX	GW223B97E		0.005 U	52		0.05	14	0.05 U	0.8	5.3	
7/25/2017	XX	GW223B9DC		0.005 U	60		0.05 U	15	0.05 U	0.8	5.6	
10/24/2017	XX	GW223B9H7		0.005 U	66		0.05 U	15	0.05 U	0.8	5.6	
4/3/2018	XX	GW223BA36	UF	0.007	56		0.05 U	15	0.05 U	0.8	5.4	
7/17/2018	XX	GW223BAC7	UF	0.005	65		0.05 U	14	0.05 U	0.7	4.7	
10/2/2018	XX	GW223BB15	UF	0.005 U	68		0.05 U	16	0.05 U	0.9	6	
4/23/2019	XX	GW223BB62	UF	0.005 U	66		0.05	17	0.05 U	0.8	5.8	
7/16/2019	XX	GW223BBCD	UF	0.005 U	68		0.05 U	17	0.05 U	1.1	6.4	
10/29/2019	XX	GW223BBI6	UF	0.005 U	64		0.05 U	16	0.05 U	0.9	5.5	
4/28/2020	XX	GW223BCDD	UF	0.005 U	65		0.05	15	0.05 U	0.8	5	
7/21/2020	XX	GW223BCI6	UF	0.005 U	64		0.06	17	0.05 U	0.9	6.1	
10/27/2020	XX	GW223BD3A	UF	0.005 U	67		0.15	17	0.05 U	0.9	6.1	
4/6/2021	XX	GW223BDCC	UF	0.005 U	67		0.05	16	0.05 U	0.8	5.2	
7/13/2021	XX	GW223BE04	UF	0.005	71		0.09	16	0.05 U	0.9	5.7	
10/5/2021	XX	GW223BE6C	UF	0.005 U	71		0.19	16	0.05 U	1	5.7	
4/26/2022	XX	GW223BF14	UF	0.005 U	75		0.11	17	0.05 U	1.6	6.3	
7/19/2022	XX	GW223BF92	UF	0.005 U	72		0.13	18	0.05 U	0.83	5.4	
10/4/2022	XX	GW223BFJ3	UF	0.005 U	80		0.05 U	18	0.05 U	0.98	5.8	
4/18/2023	XX	GW223BGIE	UF	0.005 U	80		0.05 U	19	0.05 U	1.1	6.3	
7/11/2023	XX	GW223BH8G	UF	0.005 U	79		0.05 U	19	0.05 U	0.93	5.9	
10/2/2023	XX	GW223B063	UF	0.005 U	76		0.35	18	0.05 U	1.2	7.9	
4/2/2024	XX	GW223B12D	UF	0.005 U	70		0.23	17	0.05 U	1	6.6	
7/16/2024	XX	GW223B1DF	UF	0.005 U	72		0.095	17	0.05 U	0.98	6.1	
10/8/2024	XX	GW223B1J6	UF	0.005 U	51		0.05 U	12	0.05 U	0.73	4.3	

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(MW-227)

MW-227

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	GW227X782		0.021	23.2		0.05 U	5.4	0.05 U	1	5.4	
4/28/2015	XD	GWDP3X78F		0.018	22.5		0.05 U	5.4	0.05 U	1	5.2	
7/14/2015	XX	GW227X7BE		0.015	23.4		0.05 U	5.1	0.05 U	1	5.1	
7/14/2015	XD	GWDP1X7BG		0.016	20.9		0.05 U	4.8	0.05 U	1	5	
10/27/2015	XX	GW227X7H3		0.015	19.8		0.05 U	5.1	0.05 U	1	5.1	
10/27/2015	XD	GWDP1X7H5		0.017	18		0.05 U	5.1	0.05 U	1	5	
4/5/2016	XD	GWDP3X866		0.013	22.1		0.05 U	4.8	0.05 U	0.9	4.8	
4/5/2016	XX	GW227X85D		0.016	21.8		0.05 U	4.9	0.05 U	0.9	4.9	
7/26/2016	XD	GWDP3X8AG		0.023	22.9		0.08	5.6	0.05 U	1.1	5.4	
7/26/2016	XX	GW227X8A3		0.024	23		0.09	5.5	0.05 U	1.1	5.2	
10/25/2016	XD	GWDP3X8IF		0.012	26.4		0.1	5.5	0.05 U	1.2	5.3	
10/25/2016	XX	GW227X8I2		0.012	26		0.1	5.4	0.05 U	1.2	5.4	
4/18/2017	XD	GWDP3X971		0.016	22		0.11	6	0.05 U	1.2	5.8	
4/18/2017	XX	GW227X968		0.017	20		0.11	5.8	0.05 U	1.1	5.3	
7/25/2017	XD	GWDP3X9CJ		0.014	22		0.05 U	5.5	0.05 U	1	5.1	
7/25/2017	XX	GW227X9C6		0.011	23		0.08	5.7	0.05 U	1	5.3	
10/24/2017	XD	GWDP3X9GE		0.02	25		0.05 U	5.7	0.05 U	1	5.4	
10/24/2017	XX	GW227X9G1		0.019	24		0.05 U	5.5	0.05 U	1	5.2	
4/3/2018	XD	GWDP3XA2D	UF	0.013	21		0.05	5.6	0.05 U	1.1	5.5	
4/3/2018	XX	GW227XA1J	UF	0.013	21		0.05 U	5.7	0.05 U	1.1	5.7	
7/17/2018	XD	GWDP3XABE	UF	0.016	24		0.05 U	5.1	0.05 U	0.9	4.5	
7/17/2018	XX	GW227XAB1	UF	0.014	24		0.05 U	5	0.05 U	0.9	4.7	
10/2/2018	XD	GWDP3XB0C	UF	0.013	26		0.05 U	6.2	0.16	1.1	5.8	
10/2/2018	XX	GW227XAJJ	UF	0.014	26		0.05 U	6	0.15	1.1	5.9	
4/23/2019	XD	GWDP3XB59	UF	0.013	25		0.05	6.1	0.05 U	1.1	5.4	
4/23/2019	XX	GW227XB4F	UF	0.015	26		0.08	6	0.05 U	1.1	5.4	
7/16/2019	XD	GWDP3XBC1	UF	0.015	22		0.08	5.7	0.05 U	1.1	5.5	
7/16/2019	XX	GW227XBB8	UF	0.015	21		0.05	5.3	0.05 U	1	5.4	
10/29/2019	XD	GWDP3XBHE	UF	0.012	21		0.13	5.3	0.05 U	1.2	5.1	
10/29/2019	XX	GW227XBH1	UF	0.013	22		0.05 U	5.4	0.05 U	1.2	5.4	
4/28/2020	XD	GWDP3XCD1	UF	0.011	24		0.06	5.9	0.05 U	1.1	5.3	
4/28/2020	XX	GW227XCC8	UF	0.016	23		0.05	5.4	0.05 U	1	4.8	
7/21/2020	XD	GWDP3XCHE	UF	0.011	23		0.05	5.8	0.05 U	2.1	5.7	
7/21/2020	XX	GW227XCH1	UF	0.013	21		0.05 U	5.8	0.05 U	1.5	5.9	
10/27/2020	XD	GWDP3XD2I	UF	0.012	23		0.05 U	5.7	0.05 U	1.1	5.5	
10/27/2020	XX	GW227XD25	UF	0.012	22		0.05 U	5.7	0.05 U	1	5.6	
4/6/2021	XD	GWDP3XDC0	UF	0.012	23		0.07	5.4	0.05 U	1	4.7	
4/6/2021	XX	GW227XDB7	UF	0.013	24		0.07	5.5	0.05 U	1	4.8	
7/13/2021	XD	GWDP3XDJC	UF	0.013	22		0.24	5	0.05 U	1	4.7	
7/13/2021	XX	GW227XDIJ	UF	0.012	23		0.19	5.3	0.05 U	1.1	5.1	
10/5/2021	XD	GWDP3XE60	UF	0.019	24		0.38	5.6	0.05 U	1.2	5.4	
10/5/2021	XX	GW227XE57	UF	0.015	24		0.13	5.4	0.05 U	1.1	5.3	
4/26/2022	XD	GWDP3XF0C	UF	0.011	25		0.05 U	5.6	0.05 U	2.2	6	
4/26/2022	XX	GW227XEJJ	UF	0.0097	26		0.05 U	5.9	0.05 U	1.9	5.9	
7/19/2022	XD	GWDP3XF8A	UF	0.011	24		0.1	5.8	0.05 U	1	5.1	
7/19/2022	XX	GW227XF7H	UF	0.011	24		0.11	6	0.05 U	1	5.1	
10/4/2022	XD	GWDP3XFIB	UF	0.0084	24		0.14	5.1	0.05 U	1.1	4.8	
10/4/2022	XX	GW227XFHI	UF	0.0091	26		0.1	5.6	0.05 U	1.2	5.2	

(MW-227)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/18/2023	XD	GWDP3XGI2	UF	0.011	27		0.05 U	6.3	0.05 U	1.8	6.8	
4/18/2023	XX	GW227XGH9	UF	0.0086	26		0.05 U	5.7	0.05 U	1.2	5.5	
7/11/2023	XD	GWDP3XH84	UF	0.011	25		0.051	5.8	0.05 U	1.1	5.3	
7/11/2023	XX	GW227XH7B	UF	0.011	26		0.13	5.9	0.05 U	1.1	5.4	
10/2/2023	XD	GWDP3X05C	UF	0.0071	23		0.05 U	5.2	0.05 U	1	5.7	
10/2/2023	XX	GW227X04I	UF	0.005 U	24		0.05 U	5.7	0.05 U	1.2	5.8	
4/2/2024	XD	GWDP3X122	UF	0.0065	22		0.05 U	5	0.05 U	1	5.2	
4/2/2024	XX	GW227X119	UF	0.005	21		0.074	5	0.05 U	1.1	5.1	
7/16/2024	XD	GWDP3X1D4	UF	0.005 U	24		0.05 U	5.3	0.05 U	1	5	
7/16/2024	XX	GW227X1CB	UF	0.005 U	23		0.05 U	5.4	0.05 U	1	5.1	
10/8/2024	XD	GWDP3X1IF	UF	0.005 U	19		0.084	4.5	0.05 U	0.9	3.9	
10/8/2024	XX	GW227X1I2	UF	0.005 U	19		0.056	4.4	0.05 U	0.91	4.1	

MW-301

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/29/2015	XX	GW301X783		0.012	19.9		0.05 U	4.9	0.05 U	0.7	12	
7/15/2015	XX	GW301X7BF		0.006	19.3		0.06	4.6	0.05 U	0.7	11.7	
10/27/2015	XX	GW301X7H4		0.005	17.5		0.05 U	5	0.05 U	0.7	10.7	
10/27/2015	XD	GWDP4X7I2		0.007	16.6		0.05 U	5	0.05 U	0.7	10.9	
4/27/2016	XX	GW301X85E		0.018	21.9		0.05 U	5.2	0.05 U	0.7	12.2	
7/27/2016	XX	GW301X8A4		0.011	21.6		0.56	5.2	0.18	0.7	11.1	
10/26/2016	XD	GWDP4X8J1		0.01	20.5		0.12	5.4	0.05 U	0.8	12.5	
10/26/2016	XX	GW301X8I3		0.01	20.4		0.1	5.6	0.05 U	0.8	13	
4/19/2017	XX	GW301X969		0.006	20		0.07	5.4	0.05 U	0.7	11	
7/26/2017	XX	GW301X9C7		0.006	21		0.05 U	5.4	0.05 U	0.8	11	
10/25/2017	XD	GWDP4X9H0		0.007	24		0.05	5.9	0.05 U	0.7	12	
10/25/2017	XX	GW301X9G2		0.005	24		0.06	5.8	0.05 U	0.8	12	
4/4/2018	XX	GW301XA20	UF	0.006	25		0.11	6.2	0.06	0.8	13	
7/18/2018	XX	GW301XAB2	UF	0.005 U	25		0.18	6	0.06	0.8	12	
10/1/2018	XD	GWDP4XB0I	UF	0.005	25		0.05	6.3	0.05 U	0.7	13	
10/1/2018	XX	GW301XB00	UF	0.005 U	25		0.1	6.3	0.05	0.7	13	
4/24/2019	XX	GW301XB4G	UF	0.005	24		0.07	6.2	0.05 U	0.8	12	
7/17/2019	XX	GW301XBB9	UF	0.005 U	25		0.05 U	6.6	0.05 U	0.9	14	
10/28/2019	XD	GWDP4XBI0	UF	0.006	25		0.05 U	6.5	0.05 U	1	12	
10/28/2019	XX	GW301XBH2	UF	0.005 U	22		0.1	5.7	0.05 U	0.8	12	
4/27/2020	XX	GW301XCC9	UF	0.006	26		0.06	6.6	0.05 U	0.8	14	
7/20/2020	XX	GW301XCH2	UF	0.005 U	24		0.18	6.2	0.16	0.8	13	
10/26/2020	XD	GWDP4XD34	UF	0.005 U	23		0.14	6.1	0.12	0.4	12	
10/26/2020	XX	GW301XD26	UF	0.005 U	22		0.06	5.8	0.06	0.4	12	
4/5/2021	XX	GW301XDB8	UF	0.005 U	28		0.14	7.1	0.11	0.8	13	
7/12/2021	XX	GW301XDJ0	UF	0.005 U	24		0.06	6	0.07	0.9	13	
10/4/2021	XD	GWDP4XE66	UF	0.005 U	26		0.25	6	0.07	0.9	13	
10/4/2021	XX	GW301XE58	UF	0.005 U	24		0.05 U	6.1	0.07	0.8	13	
4/25/2022	XD	GWDP4XF0I	UF	0.005 U	27		0.05 U	6.6	0.05	1.8	14	
4/25/2022	XX	GW301XF00	UF	0.005 U	28		0.05 U	6.6	0.05	1.7	15	
7/18/2022	XX	GW301XF7I	UF	0.005 U	26		0.05 U	6.5	0.1	0.86	14	
10/3/2022	XD	GWDP4XFIH	UF	0.005 U	26		0.14	6.3	0.14	0.79	14	
10/3/2022	XX	GW301XFHJ	UF	0.005 U	24		0.13	5.9	0.13	0.73	12	
4/17/2023	XD	GWDP4XGI8	UF	0.005 U	28		0.064	7	0.071	0.97	15	
4/17/2023	XX	GW301XGHA	UF	0.0067	27		0.074	6.5	0.064	0.79	14	
7/10/2023	XX	GW301XH7C	UF	0.005 U	26		0.1	6.2	0.094	0.77	13	

REPORT PREPARED: 1/8/2025 09:32
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Metals Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-301)

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
10/2/2023	XD	GWDP4X05I	UF	0.005 U	25		0.074	5.8	0.069	0.79	14	
10/2/2023	XX	GW301X04J	UF	0.005 U	25		0.073	6.2	0.069	0.82	15	
4/1/2024	XD	GWDP4X128	UF	0.005 U	26		0.11	6.3	0.063	0.79	14	
4/1/2024	XX	GW301X11A	UF	0.005 U	26		0.084	6.1	0.062	0.79	14	
7/15/2024	XX	GW301X1CC	UF	0.005 U	27		0.35	6	0.1	0.84	14	
10/7/2024	XD	GWDP4X1J1	UF	0.005 U	23		0.14	5.8	0.074	0.65	12	
10/7/2024	XX	GW301X1I3	UF	0.005 U	21		0.68	5.4	0.076	0.64	11	
MW-303 & MW12-303R												
4/27/2015	XX	GW303X799		0.013	64.2		0.05 U	7.2	1.07	3.1	82.8	
6/18/2015	XX	42173-1		0.005 U	45.5	0.003 U	0.09	7.1	0.21	2.3	55.2	
7/13/2015	XX	GW303X7D1		0.016	40.6		0.05 U	8.5	0.09	1.7	22.3	
10/26/2015	XX	GW303X7IA		0.009	31.8		0.19	7.9	0.31	1.8	29	
4/4/2016	XX	GW303X870		0.012	28.8		0.06	2.5	0.05 U	1.4	37.7	
7/25/2016	XX	GW303X8BA		0.036	55		0.05 U	9.2	0.05 U	2.3	28.7	
10/24/2016	XX	GW303X8J9		0.005 U	61		2.29	5.7	3.13	2.6	60.8	
4/17/2017	XX	GW303X97F		0.005 U	46		0.05	4.7	0.05	4.3	39	
7/24/2017	XX	GW303X9DD		0.005 U	47		0.05 U	7.4	0.05	4.2	22	
10/23/2017	XX	GW303X9H8	FILT	0.006	45		0.05 U	8.2	0.21	3.1	21	
4/2/2018	XX	GW303XA37	UF	0.005 U	160		0.08	22	0.16	5.6	110	
7/16/2018	XX	GW303XAC8	UF	0.007	56		0.05 U	15	0.05 U	2.2	15	
10/1/2018	XX	GW303XB16	UF	0.005 U	46		0.62	14	0.62	2	13	
4/22/2019	XX	GW303XB63	UF	0.005 U	60		0.35	8.3	0.76	5.7	25	
7/17/2019	XX	GW303XBCE	UF	0.005 U	50		0.05 U	9	0.14	4.3	29	
10/28/2019	XX	GW303XBI7	UF	0.005 U	43		0.05 U	5.6	0.1	3.8	20	
4/27/2020	XX	GW303XCDE	UF	0.005 U	52		0.13	7.4	0.2	3.2	18	
7/20/2020	XX	GW303XCI7	UF	0.005 U	30		0.05 U	6.1	0.06	2.5	11	
10/26/2020	XX	GW303XD3B	UF	0.005 U	57		0.05 U	9.5	0.07	3.1	24	
4/5/2021	XX	GW303XDCD	UF	0.005 U	46		0.05 U	6.4	0.06	2.4	22	
7/12/2021	XX	GW303XE05	UF	0.005 U	55		0.06	7.2	0.07	3.3	28	
10/4/2021	XX	GW303XE6D	UF	0.005 U	65		0.05 U	8.3	0.1	3.3	37	
4/25/2022	XX	GW303XF15	UF	0.005 U	33		0.35	4.8	0.27	2.7	22	
7/18/2022	XX	GW303XF93	UF	0.005 U	41		0.21	16	0.24	1.6	16	
10/3/2022	XX	GW303XFJ4	UF	0.005 U	43		0.13	12	0.11	2	22	
4/17/2023	XX	GW303XGIF	UF	0.005 U	42		0.68	20	0.49	1.6	13	
7/10/2023	XX	GW303XH8H	UF	0.005 U	34		0.14	8.3	0.061	1.6	16	
10/2/2023	XX	GW303X064	UF	0.005 U	32		0.16	7.8	0.072	1.6	14	
4/1/2024	XX	GW303X12E	UF	0.005 U	15		1.4	4	0.22	1.4	5.4	
7/15/2024	XX	GW303X1DG	UF	0.005 U	31		1.1	7.1	0.28	1.8	9.4	
10/7/2024	XX	GW303X1J7	UF	0.005	36		0.99	11	0.36	1.4	7.8	
MW-401A												
4/27/2015	XX	GW401A78H		0.009	15.7		0.06	4.2	0.05 U	0.7	3.9	
7/13/2015	XX	GW401A7C9		0.013	15.2		0.05 U	4	0.05 U	0.7	3.9	
10/26/2015	XX	GW401A7HI		0.009	15.1		0.05 U	4.1	0.05 U	0.6	3.8	
4/27/2016	XX	GW401A868		0.017	16.4		0.05 U	4.3	0.05 U	0.7	3.9	
7/25/2016	XX	GW401A8AI		0.018	15.7		0.05 U	4.2	0.05 U	0.7	3.6	
10/24/2016	XX	GW401A8IH		0.006	16.5		0.06	4.5	0.05 U	0.8	3.9	
4/17/2017	XX	GW401A973		0.007	15		0.05 U	4.4	0.05 U	0.8	3.7	
7/24/2017	XX	GW401A9D1		0.005	15		0.05 U	4.2	0.05 U	0.6	3.8	

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-401A)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/25/2017	XX	GW401A9GG		0.008	16		0.05 U	4.3	0.05 U	0.7	3.8	
4/2/2018	XX	GW401AA2F	UF	0.005	16		0.05 U	4.7	0.05 U	0.8	4.5	
7/16/2018	XX	GW401AABG	UF	0.006	17		0.05 U	4.3	0.05 U	0.7	3.9	
10/1/2018	XX	GW401AB0E	UF	0.006	17		0.05 U	4.6	0.05 U	0.6	4.1	
4/22/2019	XX	GW401AB5B	UF	0.005 U	17		0.05 U	4.8	0.05 U	0.8	4.2	
7/15/2019	XX	GW401ABC3	UF	0.007	15		0.05 U	4.3	0.05 U	0.6	3.8	
10/28/2019	XX	GW401ABHG	UF	0.007	15		0.05 U	4.1	0.05 U	0.7	3.6	
4/27/2020	XX	GW401ACD3	UF	0.007	18		0.05 U	4.8	0.05 U	0.7	4	
7/20/2020	XX	GW401ACHG	UF	0.005 U	16		0.05 U	4.6	0.05 U	0.8	4.1	
10/26/2020	XX	GW401AD30	UF	0.007	17		0.05 U	4.7	0.05 U	0.6	3.7	
4/5/2021	XX	GW401ADC2	UF	0.005	17		0.05 U	4.9	0.05 U	0.8	4.1	
7/12/2021	XX	GW401ADJE	UF	0.007	17		0.05 U	4.5	0.05 U	0.7	3.6	
10/4/2021	XX	GW401AE62	UF	0.005 U	18		0.05 U	4.8	0.05 U	0.8	4.1	
4/25/2022	XX	GW401AF0E	UF	0.005 U	21		0.05 U	5.4	0.05 U	1.8	5.2	
7/18/2022	XX	GW401AF8C	UF	0.005 U	19		0.05 U	5.2	0.05 U	0.81	4.1	
10/3/2022	XX	GW401AFID	UF	0.005 U	19		0.05 U	5	0.05 U	0.77	4	
4/17/2023	XX	GW401AGI4	UF	0.005 U	21		0.05 U	5.5	0.05 U	0.81	4.3	
7/10/2023	XX	GW401AH86	UF	0.005 U	21		0.05 U	5.2	0.05 U	0.76	4.1	
10/2/2023	XX	GW401A05E	UF	0.005 U	20		0.05 U	5.1	0.05 U	0.84	4.7	
4/1/2024	XX	GW401A124	UF	0.005 U	20		0.05 U	5.5	0.05 U	0.81	4.5	
7/15/2024	XX	GW401A1D6	UF	0.005 U	21		0.05 U	5.3	0.05 U	0.85	4.6	
10/7/2024	XX	GW401A1IH	UF	0.005 U	17		0.05 U	4.6	0.05 U	0.62	3.4	

MW-401B

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/27/2015	XX	GW401B78I		0.026	29.8		1.37	8.4	0.28	1	10.4	
4/27/2015	XD	GWDP4X791		0.027	28.4		1.28	8.4	0.26	1	10.4	
7/13/2015	XX	GW401B7CA		0.026	37		1.57	9.8	0.22	1.1	12.6	
7/13/2015	XD	GWDP4X7CD		0.029	36.4		1.52	9.6	0.21	1.1	12.6	
10/26/2015	XX	GW401B7HJ		0.027	35.4		2.13	10.6	0.22	1.3	13.6	
10/26/2015	XD	GWDP3X7HG		0.028	37.2		2.17	10.7	0.22	1.3	13.5	
4/6/2016	XD	GWDP4X86C		0.028	30.6		0.92	8.4	0.18	1	10.7	
4/6/2016	XX	GW401B869		0.025	33.3		0.9	8.8	0.18	1	10.6	
7/25/2016	XX	GW401B8AJ		0.058	43.3		2.79	12.1	0.19	1.4	13.9	
10/24/2016	XD	GWDP1X8I4		0.015	43.1		2.02	12.3	0.13	1.5	15.7	
10/24/2016	XX	GW401B8II		0.013	44.8		2.07	12.9	0.13	1.6	15.9	
4/17/2017	XD	GWDP4X977		0.045	30		3	10	0.4	1.2	13	
4/17/2017	XX	GW401B974		0.044	31		3	10	0.43	1.2	13	
7/24/2017	XX	GW401B9D2		0.02	37		1.3	10	0.17	1	12	
10/25/2017	XD	GWDP1X9G3		0.033	43		3.5	12	0.35	1.3	13	
10/25/2017	XX	GW401B9GH		0.015	43		1.7	12	0.2	1.3	14	
4/2/2018	XD	GWDP4XA2J	UF	0.013	40		0.55	11	0.08	1.3	14	
4/2/2018	XX	GW401BA2G	UF	0.013	37		0.47	10	0.07	1.1	13	
7/16/2018	XX	GW401BABH	UF	0.028	43		1.9	11	0.24	1.2	12	
10/1/2018	XD	GWDP1XB01	UF	0.01	41		1.6	11	0.15	1.3	14	
10/1/2018	XX	GW401BB0F	UF	0.01	42		1.9	12	0.17	1.4	13	
4/22/2019	XD	GWDP4XB5F	UF	0.02	27		0.64	8	0.13	0.9	9.8	
4/22/2019	XX	GW401BB5C	UF	0.021	26		0.63	8.1	0.13	0.9	9.7	
7/15/2019	XD	GWDP4XBC7	UF	0.02	33		1.3	9.7	0.15	0.9	10	
7/15/2019	XX	GW401BBC4	UF	0.02	34		1.4	10	0.16	1.1	11	
10/28/2019	XD	GWDP1XBH3	UF	0.017	39		1.9	11	0.15	1.4	11	

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-401B)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/28/2019	XX	GW401BBHH	UF	0.013	38		1.6	10	0.13	1.2	10	
4/27/2020	XD	GWDP4XCD7	UF	0.019	31		0.68	8.9	0.1	1	9.8	
4/27/2020	XX	GW401BCD4	UF	0.023	30		0.67	8.5	0.09	0.9	9.7	
7/20/2020	XD	GWDP4XCI0	UF	0.025	36		2.6	11	0.2	1.8	11	
7/20/2020	XX	GW401BCHH	UF	0.028	39		2.5	11	0.21	1.5	11	
10/26/2020	XD	GWDP1XD27	UF	0.013	38		2	11	0.21	1	11	
10/26/2020	XX	GW401BD31	UF	0.016	42		2.1	12	0.22	1.2	12	
4/5/2021	XD	GWDP4XDC6	UF	0.008	37		1.3	10	0.1	1.1	10	
4/5/2021	XX	GW401BDC3	UF	0.009	39		1.3	11	0.11	1.2	11	
7/12/2021	XD	GWDP5XE1B	UF	0.005	40		1.3	11	0.1	1.2	10	
7/12/2021	XX	GW401BDJF	UF	0.005 U	37		1.3	10	0.1	1.2	10	
10/4/2021	XD	GWDP1XE59	UF	0.017	41		1.5	11	0.11	1.4	12	
10/4/2021	XX	GW401BE63	UF	0.008	41		1.4	11	0.1	1.4	12	
4/25/2022	XD	GWDP1XF01	UF	0.005 U	42		1.2	11	0.1	3.3	12	
4/25/2022	XX	GW401BF0F	UF	0.005 U	42		1.3	11	0.11	2.2	11	
7/18/2022	XD	GWDP5XFA8	UF	0.0051	41		1.4	11	0.11	1.4	11	
7/18/2022	XX	GW401BF8D	UF	0.005 U	40		1.2	11	0.1	1.4	11	
10/3/2022	XD	GWDP1XFI0	UF	0.005 U	43		1.3	11	0.12	1.4	11	
10/3/2022	XX	GW401BFIE	UF	0.005 U	45		1.3	11	0.11	1.4	11	
4/17/2023	XD	GWDP1XGHB	UF	0.013	41		1.3	11	0.12	1.7	11	
4/17/2023	XX	GW401BGI5	UF	0.011	42		1.2	12	0.12	1.3	11	
7/10/2023	XD	GWDP5X004	UF	0.005 U	41		1.2	11	0.13	1.2	9.5	
7/10/2023	XX	GW401BH87	UF	0.005 U	42		1.2	11	0.13	1.2	9.8	
10/2/2023	XD	GWDP1X050	UF	0.005 U	42		1.2	11	0.12	1.4	11	
10/2/2023	XX	GW401B05F	UF	0.005 U	38		1.2	11	0.12	1.4	11	
4/1/2024	XD	GWDP1X11B	UF	0.005 U	38		1.2	11	0.12	1.2	11	
4/1/2024	XX	GW401B125	UF	0.005 U	38		1.1	10	0.12	1.2	10	
7/15/2024	XD	GWDP5X1F3	UF	0.005 U	45		2.4	11	0.17	1.3	10	
7/15/2024	XX	GW401B1D7	UF	0.005 U	41		2.5	11	0.17	1.3	10	
10/7/2024	XD	GWDP1X1I4	UF	0.005 U	38		1.2	11	0.13	1.3	9.5	
10/7/2024	XX	GW401B1II	UF	0.005 U	35		1.1	9.5	0.12	1.1	8.1	

MW-402A

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/29/2015	XX	GW402A78J		0.023	11.6		0.05 U	3	0.05 U	0.6	8.8	
7/15/2015	XX	GW402A7CB		0.025	11.4		0.05 U	2.8	0.05 U	0.6	8.4	
10/28/2015	XX	GW402A7I0		0.021	10.5		0.05 U	2.8	0.05 U	0.5	7.4	
4/27/2016	XX	GW402A86A		0.025	12.3		0.05 U	3.1	0.05 U	0.6	8.6	
7/27/2016	XX	GW402A8B0		0.026	12.4		0.05 U	3.1	0.05 U	0.7	8.8	
10/26/2016	XX	GW402A8IJ		0.017	11.7		0.05 U	3.2	0.05 U	0.6	8.9	
4/19/2017	XX	GW402A975		0.019	11		0.05 U	3.3	0.05 U	0.6	8.8	
7/26/2017	XX	GW402A9D3		0.016	11		0.05 U	2.9	0.05 U	0.6	7.9	
10/26/2017	XX	GW402A9GI		0.019	13		0.05 U	3.2	0.05 U	0.5	7.7	
4/4/2018	XX	GW402AA2H	UF	0.024	13		0.05 U	3.4	0.05 U	0.7	10	
7/18/2018	XX	GW402AABI	UF	0.015	14		0.26	3	0.05 U	0.7	8.2	
10/3/2018	XX	GW402AB0G	UF	0.024	12		0.05 U	3	0.05 U	0.6	8.5	
4/24/2019	XX	GW402AB5D	UF	0.017	12		0.05 U	3.1	0.05 U	0.6	8.5	
7/17/2019	XX	GW402ABC5	UF	0.02	12		0.05 U	3.4	0.05 U	0.7	10	
10/30/2019	XX	GW402ABHI	UF	0.019	11		0.05 U	3.1	0.05 U	0.7	8.5	
4/29/2020	XX	GW402ACD5	UF	0.02	12		0.05 U	3.2	0.05 U	0.8	8.5	
7/22/2020	XX	GW402ACHI	UF	0.018	12		0.05 U	3.3	0.05 U	1	9.5	

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-402A)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/28/2020	XX	GW402AD32	UF	0.015	12		0.05 U	3.4	0.05 U	0.6	10	
4/7/2021	XX	GW402ADC4	UF	0.017	14		0.05 U	3.6	0.05 U	0.7	9.1	
7/14/2021	XX	GW402ADJG	UF	0.015	11		0.05 U	2.9	0.05 U	0.4	7.7	
10/4/2021	XX	GW402AE64	UF	0.019	13		0.05 U	3.2	0.05 U	0.7	9.1	
4/25/2022	XX	GW402AF0G	UF	0.017	14		0.05 U	3.4	0.05 U	1.3	9.4	
7/20/2022	XX	GW402AF8E	UF	0.013	14		0.05 U	3.6	0.05 U	1.3	9.6	
10/3/2022	XX	GW402AFIF	UF	0.014	13		0.05 U	3.1	0.05 U	0.65	8.8	
4/17/2023	XX	GW402AGI6	UF	0.018	13		0.05 U	3.4	0.05 U	0.68	9.1	
7/10/2023	XX	GW402AH88	UF	0.015	14		0.05 U	3.3	0.05 U	0.62	8.8	
10/2/2023	XX	GW402A05G	UF	0.011	13		0.05 U	3.2	0.05 U	0.69	9.6	
4/1/2024	XX	GW402A126	UF	0.005	13		0.05 U	3.2	0.05 U	0.66	9.2	
7/15/2024	XX	GW402A1D8	UF	0.0076	13		0.05 U	3.1	0.05 U	0.67	9.6	
10/7/2024	XX	GW402A1IJ	UF	0.005 U	9.9		0.05 U	2.7	0.05 U	0.49	7.1	

MW-402B

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/29/2015	XX	GW402B790		0.021	14.8		0.05 U	4.7	0.05 U	0.6	8	
7/15/2015	XX	GW402B7CC		0.024	14.7		0.05 U	4.5	0.05 U	0.6	7.8	
10/28/2015	XX	GW402B7I1		0.022	13.5		0.05 U	4.6	0.05 U	0.6	7.7	
4/27/2016	XX	GW402B86B		0.031	15.6		0.05 U	5	0.05 U	0.6	8.2	
7/27/2016	XX	GW402B8B1		0.023	15.3		0.05 U	4.8	0.05 U	0.6	8.3	
10/26/2016	XX	GW402B8J0		0.022	14.8		0.18	5.2	0.05	0.7	9.4	
4/19/2017	XX	GW402B976		0.021	13		0.05 U	4.9	0.05 U	0.7	8.3	
7/26/2017	XX	GW402B9D4		0.021	14		0.05 U	4.6	0.05 U	0.6	8.1	
10/26/2017	XX	GW402B9GJ		0.021	17		0.05 U	5.1	0.05 U	0.6	7.9	
4/4/2018	XX	GW402BA2I	UF	0.019	16		0.06	5.3	0.05 U	0.7	9.1	
7/18/2018	XX	GW402BABJ	UF	0.016	15		0.06	4.8	0.05 U	0.6	8.5	
10/3/2018	XX	GW402BB0H	UF	0.019	16		0.05 U	4.8	0.05 U	0.6	8.8	
4/24/2019	XX	GW402BB5E	UF	0.02	15		0.05 U	4.8	0.05 U	0.6	8.2	
7/17/2019	XX	GW402BBC6	UF	0.017	13		0.05 U	5.2	0.05 U	0.7	9.8	
10/30/2019	XX	GW402BBHJ	UF	0.02	14		0.05 U	4.8	0.05 U	0.7	8.1	
4/29/2020	XX	GW402BCD6	UF	0.017	15		0.05 U	4.9	0.05 U	0.7	8.2	
7/22/2020	XX	GW402BCHJ	UF	0.018	14		0.06	5.1	0.05 U	0.7	9.2	
10/28/2020	XX	GW402BD33	UF	0.016	15		0.05 U	5.3	0.05 U	0.6	9.4	
4/7/2021	XX	GW402BDC5	UF	0.018	18		0.05 U	5.9	0.05 U	0.7	9.2	
7/14/2021	XX	GW402BDJH	UF	0.019	15		0.05 U	4.6	0.05 U	0.4	7.8	
10/4/2021	XX	GW402BE65	UF	0.021	16		0.22	5.2	0.05 U	0.7	9	
4/25/2022	XX	GW402BF0H	UF	0.017	16		0.05 U	5.1	0.05 U	1.3	8.8	
7/20/2022	XX	GW402BF8F	UF	0.0099	22		0.05 U	7.4	0.05 U	1.4	9.7	
10/3/2022	XX	GW402BFIG	UF	0.016	16		0.05 U	4.6	0.05 U	0.61	8	
4/17/2023	XX	GW402BGI7	UF	0.02	17		0.3	5.4	0.05 U	0.7	8.9	
7/10/2023	XX	GW402BH89	UF	0.016	17		0.05 U	5.2	0.05 U	0.64	8.4	
10/2/2023	XX	GW402B05H	UF	0.015	15		0.05 U	4.8	0.05 U	0.68	8.8	
4/1/2024	XX	GW402B127	UF	0.0075	15		0.08	4.7	0.05 U	0.66	8.4	
7/15/2024	XX	GW402B1D9	UF	0.0079	16		0.25	4.7	0.05 U	0.67	9	
10/7/2024	XX	GW402B1J0	UF	0.0063	13		0.1	4.5	0.05 U	0.57	7.8	

MW-501

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/5/2018	XX	GW501XA6I	UF	0.008	30	0.003 U	0.05 U	4.9	0.05 U	0.8	4.6	
6/4/2018	XX	GW501XA7F	UF	0.009	30	0.003 U	0.05 U	5.5	0.05	0.7	4.1	
7/19/2018	XX	GW501XAED	UF	0.005 U	30		0.05	5.4	0.06	0.7	3.9	

REPORT PREPARED: 1/8/2025 09:32
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Metals Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-501)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
8/20/2018	XX	GW501XAFE	UF	0.006	33		0.05 U	5.7	0.08	0.7	3.9	
4/24/2019	XX	GW501XB7C	UF	0.005 U	47		0.17	6.8	0.21	0.8	5.1	
7/17/2019	XX	GW501XBE0	UF	0.009	21		0.05 U	5.1	0.05 U	0.8	4.3	
10/30/2019	XX	GW501XBJ9	UF	0.005 U	60		0.05 U	7.8	0.05 U	1	5.4	
4/29/2020	XX	GW501XCF0	UF	0.005 U	21		0.05 U	4.7	0.05 U	0.7	3.5	
7/22/2020	XX	GW501XCJD	UF	0.005 U	44		0.05	9.2	0.05 U	1.1	6.4	
10/28/2020	XX	GW501XD4D	UF	0.005 U	50		0.05 U	8.2	0.05 U	0.9	6.1	
4/7/2021	XX	GW501XDDH	UF	0.005 U	38		0.05 U	7	0.05 U	0.8	4.9	0.05 U
7/14/2021	XX	GW501XE18	UF	0.005 U	30	0.003 U	0.06	5.8	0.05 U	0.6	4	0.05 U
10/6/2021	XX	GW501XE8A	UF	0.005	31	0.003 U	0.05 U	6.2	0.05 U	0.8	4.3	0.05 U
4/27/2022	XX	GW501XF2G	UF	0.005 U	37	0.003 U	0.05 U	7.5	0.05	2.4	6.7	0.05 U
7/20/2022	XX	GW501XFA6	UF	0.005 U	35	0.003 U	0.05 U	7.9	0.05 U	1.3	5.3	0.05 U
10/5/2022	XX	GW501XG0F	UF	0.005 U	34	0.003 U	0.051	6.7	0.05	0.73	4.3	0.05 U
4/19/2023	XX	GW501XH06	UF	0.005 U	42	0.003 U	0.071	8.9	0.19	0.94	5.6	0.05 U
7/12/2023	XX	GW501X002	UF	0.005 U	41	0.003 U	0.05 U	8.2	0.069	0.87	5.7	0.05 U
10/4/2023	XX	GW501X07B	UF	0.005 U	42	0.003 U	0.063	8.2	0.085	0.95	6	0.05 U
4/10/2024	XX	GW501X140	UF	0.005 U	39	0.03	0.05 U	6.9	0.3	0.82	5.5	0.05 U
7/17/2024	XX	GW501X1EJ	UF	0.005 U	40	0.003 U	0.05 U	7.4	0.14	0.88	5.9	0.05 U
10/9/2024	XX	GW501X20D	UF	0.005 U	37	0.0052	0.82	7.4	1.2	0.85	6	0.05 U
MW-502												
2/26/2020	XD	GWDP1XC52	UF	0.005 U	34	0.003 U	0.05 U	6.2	0.05 U	0.9	4.6	
2/26/2020	XX	GW502XC55	UF	0.005 U	34	0.003 U	0.05 U	6.3	0.05 U	0.9	4.8	
4/30/2020	XX	GW502XCBJ	UF	0.005 U	39	0.003 U	0.05	6.9	0.05 U	1	5.1	
6/23/2020	XX	GW502XCGB	UF	0.005 U	38	0.003 U	0.05 U	7.6	0.05 U	1.1	5.6	
8/20/2020	XX	GW502XD1I	UF	0.005 U	36	0.003 U	0.05 U	7	0.05 U	1.3	5.4	
7/14/2021	XX	GW502XE23	UF	0.005 U	59	0.003 U	0.13	9.8	0.2	1.4	6.1	0.05 U
10/7/2021	XX	GW502XE8B	UF	0.005 U	64	0.003 U	0.05 U	9.8	0.05 U	1.2	5	0.05 U
4/27/2022	XX	GW502XF2H	UF	0.005 U	45	0.003 U	0.05 U	7.8	0.05 U	2	6.3	0.05 U
7/20/2022	XX	GW502XFAI	UF	0.005 U	61	0.003 U	0.05 U	10	0.05 U	1.7	5.9	0.05 U
10/5/2022	XX	GW502XG0G	UF	0.005 U	69	0.003 U	0.05 U	9.7	0.17	1.3	6.3	0.05 U
4/19/2023	XX	GW502XH07	UF	0.005 U	50	0.003 U	0.056	8.6	0.05 U	1.2	5.7	0.05 U
7/12/2023	XX	GW502X00E	UF	0.005 U	49	0.003 U	0.05 U	7.9	0.05 U	1	5.3	0.05 U
10/4/2023	XX	GW502X07C	UF	0.005 U	53	0.003 U	0.05 U	8.4	0.05 U	1.1	5.5	0.05 U
4/10/2024	XX	GW502X141	UF	0.005 U	50	0.025	0.21	7.1	0.05 U	1.1	4.9	0.05 U
7/18/2024	XX	GW502X1FD	UF	0.005 U	49	0.003 U	0.2	8	0.05 U	1.3	9.5	0.05 U
10/9/2024	XX	GW502X20E	UF	0.005 U	49	0.003 U	0.14	7.5	0.05 U	1.2	5.4	0.05 U
MW-503												
2/9/2021	XX	GW503XD9A	UF	0.005	25	0.003 U	0.05 U	7.1	0.05 U	0.8	5.3	0.05 U
4/8/2021	XX	GW503XDA9	UF	0.005 U	29	0.003 U	0.05 U	7.2	0.05 U	0.9	4.9	0.05 U
6/8/2021	XX	GW503XDGC	UF	0.005 U	31	0.003 U	0.05 U	7.4	0.05 U	1	5.6	0.05 U
8/19/2021	XX	GW503XE46	UF	0.005 U	30	0.003 U	0.05 U	7.1	0.05 U	1	5.3	0.05 U
10/7/2021	XX	GW503XE96	UF	0.005 U	28	0.003 U	0.05 U	6.5	0.05 U	0.9	5	0.05 U
4/27/2022	XX	GW503XF3B	UF	0.005 U	31	0.003 U	0.05 U	7.6	0.05 U	2	7.3	0.05 U
7/20/2022	XX	GW503XFB5	UF	0.005 U	37	0.003 U	0.05 U	9.4	0.05 U	1.6	7	0.05 U
10/5/2022	XX	GW503XG1A	UF	0.005 U	32	0.0041	0.05 U	7.7	0.05 U	0.96	5.6	0.05 U
4/20/2023	XX	GW503XH11	UF	0.0052	34	0.003 U	0.05 U	8.5	0.05 U	1.1	6.2	0.05 U
7/13/2023	XX	GW503X011	UF	0.005 U	31	0.003 U	0.05 U	7.6	0.05 U	0.95	6	0.05 U
10/4/2023	XX	GW503X086	UF	0.005 U	33	0.003 U	0.05 U	8	0.05 U	1	6.8	0.05 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-503)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/10/2024	XX	GW503X14F	UF	0.005 U	28	0.019	0.05 U	6.5	0.05 U	0.89	5.5	0.05 U
7/18/2024	XX	GW503X1G0	UF	0.005 U	29	0.0038	0.05 U	7.1	0.05 U	1.5	9.9	0.05 U
10/9/2024	XX	GW503X218	UF	0.005 U	24	0.003 U	0.05 U	5.9	0.05 U	0.77	4.9	0.05 U
MW-504												
2/9/2021	XD	GWDP1XD94	UF	0.006	12	0.003 U	0.12	3.5	0.1	1.2	11	0.05 U
2/9/2021	XX	GW504XD9B	UF	0.006	12	0.003 U	0.17	3.6	0.1	1.4	12	0.05 U
4/7/2021	XX	GW504XDAA	UF	0.005	14	0.003 U	0.05 U	4.1	0.05	1.2	10	0.05 U
6/9/2021	XD	GWDP1XDG9	UF	0.006	14	0.003 U	0.07	4.2	0.1	1.1	6.9	0.05 U
6/9/2021	XX	GW504XDGD	UF	0.005	14	0.003 U	0.06	4.2	0.05 U	1.1	6.8	0.05 U
8/19/2021	XX	GW504XE47	UF	0.006	15	0.003 U	0.1	4.2	0.13	1	6.2	0.05 U
10/7/2021	XD	GWDP6XE9A	UF	0.005 U	15	0.003 U	0.28	4.1	0.17	1	6.1	0.05 U
10/7/2021	XX	GW504XE97	UF	0.005 U	16	0.003 U	0.06	4.6	0.05 U	0.9	6.4	0.05 U
4/27/2022	XD	GWDP6XF3F	UF	0.005 U	13	0.003 U	0.06	4	0.05 U	1.4	6.2	0.05 U
4/27/2022	XX	GW504XF3C	UF	0.005 U	14	0.003 U	0.12	4	0.06	1.8	7.5	0.05 U
7/21/2022	XX	GW504XFB6		!	!	!	!	!	!	!	!	!
10/5/2022	XD	GWDP6XG1E	UF	0.005 U	14	0.0038	0.25	4.2	0.12	0.76	5.5	0.05 U
10/5/2022	XX	GW504XG1B	UF	0.005 U	15	0.015	6	5.8	0.89	2	6.1	0.05 U
4/20/2023	XD	GWDP6XH15	UF	0.0078	13	0.003 U	0.05 U	4.4	0.05 U	0.84	6.4	0.05 U
4/20/2023	XX	GW504XH12	UF	0.01	16	0.003 U	0.11	5.2	0.051	1	7	0.05 U
7/13/2023	XX	GW504X012	UF	0.005 U	14	0.003 U	0.05 U	4.4	0.05 U	0.78	6	0.05 U
10/5/2023	XD	GWDP6X08A	UF	0.005 U	16	0.003 U	0.086	4.6	0.05 U	0.85	6	0.05 U
10/5/2023	XX	GW504X087	UF	0.005 U	15	0.003 U	0.05 U	4.5	0.05 U	0.81	5.7	0.05 U
4/11/2024	XD	GWDP6X14J	UF	0.005 U	14	0.0096	0.05 U	4.3	0.05 U	0.78	5.5	0.05 U
4/11/2024	XX	GW504X14G	UF	0.005 U	14	0.011	0.05 U	4.1	0.05 U	0.75	5.5	0.05 U
7/18/2024	XX	GW504X1G1	UF	0.005 U	13	0.0043	0.13	4.3	0.05 U	0.95	9.2	0.05 U
10/10/2024	XD	GWDP6X21C	UF	0.005 U	13	0.003 U	0.055	4	0.05 U	0.7	5.4	0.05 U
10/10/2024	XX	GW504X219	UF	0.005 U	13	0.003 U	0.05 U	4.2	0.05 U	0.73	5.8	0.05 U
MW-505												
2/10/2021	XX	GW505XD9C	UF	0.005 U	17	0.003 U	0.35	5.9	0.73	1.2	55	0.05 U
4/8/2021	XX	GW505XDAB	UF	0.005 U	20	0.003 U	0.16	6.5	0.62	1.2	33	0.05 U
6/9/2021	XX	GW505XDGE	UF	0.005	21	0.003 U	0.13	7	0.58	1.3	27	0.05 U
8/18/2021	XX	GW505XE48	UF	0.005	19	0.003 U	0.1	6.3	0.43	1.2	34	0.05 U
10/7/2021	XX	GW505XE98	UF	0.006	19	0.003 U	0.13	6.2	0.39	1	34	0.05 U
4/27/2022	XX	GW505XF3D	UF	0.0052	20	0.003 U	0.9	7	0.29	1.4	33	0.05 U
7/21/2022	XX	GW505XFB7	UF	0.005 U	20	0.0032	0.32	6.9	0.26	1.9	22	0.05 U
10/5/2022	XX	GW505XG1C	UF	0.005 U	22	0.003 U	0.24	6.8	0.25	1.1	21	0.05 U
4/20/2023	XX	GW505XH13	UF	0.011	21	0.003 U	0.45	7.5	0.18	1.3	20	0.05 U
7/13/2023	XX	GW505X013	UF	0.0067	21	0.003 U	0.21	7.4	0.17	1.1	18	0.05 U
10/4/2023	XX	GW505X088	UF	0.0083	20	0.003 U	0.13	7.3	0.16	1.1	18	0.05 U
4/11/2024	XX	GW505X14H	UF	0.005 U	19	0.093	0.27	6.2	0.14	1.1	15	0.05 U
7/18/2024	XX	GW505X1G2	UF	0.005 U	20	0.003 U	0.17	7	0.18	1.3	25	0.05 U
10/9/2024	XX	GW505X21A	UF	0.005 U	17	0.003 U	0.19	6	0.15	0.97	15	0.05 U
MW-506												
2/18/2021	XX	GW506XD9D	UF	0.005 U	34	0.003 U	0.51	8.7	1.1	2.6	200	0.06
4/8/2021	XX	GW506XDAC	UF	0.005 U	29	0.003 U	0.23	7	0.97	1.8	130	0.05
6/8/2021	XX	GW506XDGF		F16	F16	F16	F16	F16	F16	F16	F16	F16
7/14/2021	XX	GW506XE38	UF	0.005	23	0.003 U	0.23	7.8	0.87	1.2	110	0.05 U

(MW-506)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
9/1/2021	XX	GW506XE49	UF	0.009	24	0.003 U	0.11	7.7	0.72	1.2	110	0.05
10/7/2021	XX	GW506XE99	UF	0.008	30	0.003 U	0.24	8	0.67	1.6	120	0.05 U
4/27/2022	XX	GW506XF3E	UF	0.0075	24	0.003 U	0.38	7.9	0.49	2	100	0.05 U
7/18/2022	XX	GW506XFB8	UF	0.0094	20	0.0052	0.8	7.4	0.39	1.3	83	0.05 U
10/5/2022	XX	GW506XG1D	UF	0.0068	19	0.0051	0.71	7.1	0.32	1.1	79	0.069
4/18/2023	XX	GW506XH14	UF	0.01	17	0.015	2.1	7.7	0.31	1.4	59	0.05 U
7/11/2023	XX	GW506X014	UF	0.0061	16	0.003 U	0.29	7.4	0.2	0.96	49	0.05 U
10/4/2023	XX	GW506X089	UF	0.0059	15	0.0046	0.12	7	0.16	0.86	46	0.05 U
4/10/2024	XX	GW506X14I		!	!	!	!	!	!	!	!	!
7/17/2024	XX	GW506X1G3		!	!	!	!	!	!	!	!	!
10/9/2024	XX	GW506X21B		!	!	!	!	!	!	!	!	!

MW-507

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/5/2018	XX	GW507XA6J	UF	0.005 U	22	0.003 U	0.13	2.7	0.05 U	0.5	2.5	
6/5/2018	XX	GW507XA7G	UF	0.007	33	0.003 U	0.05 U	4	0.05 U	0.5	3.3	
7/18/2018	XX	GW507XAEE	UF	0.005 U	33		0.05	4.2	0.05 U	0.6	3.7	
8/20/2018	XX	GW507XAFF	UF	0.005 U	38		0.18	4.7	0.05 U	0.6	4	
7/14/2021	XX	GW507XE24	UF	0.005 U	38	0.003 U	0.6	5.2	0.05 U	0.5	4.3	0.05 U
10/7/2021	XX	GW507XE8C	UF	0.005 U	33	0.003 U	0.68	3.8	0.05 U	0.5	3.6	0.05 U
4/27/2022	XX	GW507XF2I	UF	0.005 U	16	0.003 U	0.86	2.2	0.05 U	1	2.7	0.05 U
7/20/2022	XX	GW507XFAJ	UF	0.005 U	44	0.003 U	0.3	6.1	0.05 U	1.1	4.9	0.05 U
10/5/2022	XX	GW507XG0H	UF	0.005 U	52	0.003 U	0.074	6.6	0.05 U	0.75	6.4	0.05 U
4/19/2023	XX	GW507XH08	UF	0.005 U	17	0.003 U	0.2	2.4	0.05 U	0.48	2	0.05 U
7/13/2023	XX	GW507X00F	UF	0.005 U	22	0.003 U	0.97	2.6	0.05 U	0.46	2.4	0.05 U
10/5/2023	XX	GW507X07D	UF	0.005 U	31	0.003 U	0.31	4	0.05 U	0.59	3.3	0.05 U
4/10/2024	XX	GW507X142	UF	0.005 U	26	0.0091	0.33	3.2	0.05 U	0.45	2.6	0.05 U
7/17/2024	XX	GW507X1FE	UF	0.005 U	42	0.003 U	1.2	5.7	0.05 U	0.67	5	0.05 U
10/8/2024	XX	GW507X20F	UF	0.005 U	41	0.003 U	0.37	5.6	0.05 U	0.65	4.9	0.05 U

MW-508

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
10/5/2022	XX	GW508XG2E	UF	0.005 U	54	0.003 U	0.21	5.6	0.05	1.1	7.3	0.05 U
1/24/2023	XX	GW508XGBF		F	F	F	F	F	F	F	F	F
3/30/2023	XX	GW508XGH2	UF	0.005 U	51	0.003 U	0.18	5.6	0.082	0.95	7.6	0.05 U
4/19/2023	XX	GW508XH1H	UF	0.0059	51	0.003 U	0.076	5.8	0.05 U	1	7.3	0.05 U
6/19/2023	XX	GW508XH5H	UF	0.005 U	50	0.003 U	0.05 U	5.5	0.05 U	0.83	7.2	0.05 U
7/13/2023	XX	GW508X01I	UF	0.005 U	44	0.003 U	0.06	5.2	0.05 U	0.79	6.5	0.05 U
10/4/2023	XD	GWDP5X07F	UF	0.005 U	47	0.003 U	0.05 U	5	0.05 U	0.86	6.9	0.05 U
10/4/2023	XX	GW508X090	UF	0.005 U	46	0.003 U	0.05 U	5.3	0.05 U	0.87	7.3	0.05 U
4/10/2024	XD	GWDP5X144	UF	0.005 U	43	0.015	0.05 U	4.6	0.05 U	0.77	6.4	0.05 U
4/10/2024	XX	GW508X157	UF	0.005 U	42	0.0089	0.05 U	4.5	0.05 U	0.74	6.3	0.05 U
7/17/2024	XX	GW508X1GG	UF	0.005 U	44	0.003 U	0.075	5	0.05 U	0.93	6.8	0.13
10/10/2024	XD	GWDP5X20H	UF	0.005 U	38	0.003 U	0.05 U	4.2	0.05 U	0.76	6.2	0.05 U
10/10/2024	XX	GW508X220	UF	0.005 U	39	0.003 U	0.05 U	4.3	0.05 U	0.76	6.4	0.05 U

OW-06-03

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/10/2018	XX	GWXXXXA73	UF	0.005 U	17	0.003 U	0.32	4.4	0.65	1.1	6.6	
6/5/2018	XX	GWXXXXA80		I	I	I	I	I	I	I	I	
7/19/2018	XX	GWXXXXAEI		I	I		I	I	I	I	I	
8/21/2018	XX	GWXXXXAFH		I	I		I	I	I	I	I	
7/18/2019	XX	GWXXXXBDJ		I	I		I	I	I	I	I	

(OW-06-03)			Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Type	Sample ID										
7/20/2020	XX	GWXXXXCJC		I	I		I	I	I	I	I	
7/14/2021	XX	GWXXXXE17	UF	0.01	78	0.003 U	23	6.5	8.7	3.7	4.7	0.05 U
7/20/2022	XX	GWXXXXFA5		I	I	I	I	I	I	I	I	I
7/12/2023	XX	GWXXXX001		D	D	D	D	D	D	D	D	D
7/18/2024	XX	GWXXXX1EI		I	I	I	I	I	I	I	I	I
OW-601A												
4/11/2018	XX	GW601AA69	UF	0.005 U	39	0.003 U	0.97	10	0.2	1.9	7.2	
4/11/2018	XX	GW601AHHA	FILT	0.005 U	36	0.003 U	0.18	8.8	0.19	1.8	6.6	
6/6/2018	XX	GWXXXXHG4	FILT	0.005 U	41	0.003 U	0.06	11	0.23	1.8	7.9	
7/19/2018	XX	GW601AAE4	UF	0.005 U	43		0.4	11	0.29	2.1	10	
8/22/2018	XX	GW601AAF5	UF	0.005 U	43		0.05 U	10	0.19	2.3	13	
7/18/2019	XX	GW601ABB6	UF	0.005 U	42		0.05 U	12	0.07	2.5	16	
7/22/2020	XX	GW601ACGJ	UF	0.005 U	37		0.87	10	0.05	2.4	25	
7/12/2021	XX	GW601ADIH	UF	0.005	47	0.003 U	0.05 U	12	0.05 U	2	12	0.05 U
7/21/2022	XX	GW601AF7F	UF	0.005 U	52	0.004	0.05 U	13	0.05 U	2.8	21	0.05 U
7/12/2023	XX	GW601AH79	UF	0.005 U	55	0.003 U	0.05 U	15	0.05 U	1.8	14	0.05 U
7/18/2024	XX	GW601A1C9	UF	0.005 U	38	0.0096	0.12	5.7	0.05 U	1.9	15	0.05 U
OW-601B												
4/11/2018	XX	GW601BA6A	UF	0.005 U	40	0.003 U	0.05 U	12	0.09	1.9	8	
6/6/2018	XX	GW601BA77	UF	0.007	39	0.003 U	0.28	12	1	1.9	8.2	
7/19/2018	XX	GW601BAE5	UF	0.005 U	36		0.19	11	0.11	1.5	7	
8/22/2018	XX	GW601BAF6	UF	0.005 U	40		0.19	13	0.05 U	1.4	6.8	
7/18/2019	XX	GW601BBDF	UF	0.005 U	34		0.74	13	0.64	1.8	8.7	
7/22/2020	XX	GW601BCJ8	UF	0.005 U	35		0.31	13	0.05 U	1.4	8.3	
7/12/2021	XD	GWDP4XDJI	UF	0.005 U	38	0.003	0.05 U	12	0.05 U	1.3	7.1	0.05 U
7/12/2021	XX	GW601BE13	UF	0.006	38	0.003 U	0.05	13	0.05 U	1.2	7.3	0.05 U
7/21/2022	XD	GWDP4XF8G	UF	0.005 U	42	0.0098	0.1	14	0.05 U	4.1	9.9	0.05 U
7/21/2022	XX	GW601BFA1	UF	0.005 U	44	0.003 U	0.05 U	14	0.05 U	2	8.1	0.05 U
7/12/2023	XD	GWDP4XH8A	UF	0.005 U	40	0.0038	0.05 U	14	0.05 U	1.2	7.8	0.05 U
7/12/2023	XX	GW601BH9F	UF	0.005 U	42	0.003 U	0.05 U	13	0.05 U	1.2	7.5	0.05 U
7/18/2024	XD	GWDP4X1DA	UF	0.005 U	40	0.011	0.05 U	13	0.05 U	1.4	13	0.05 U
7/18/2024	XX	GW601B1ED	UF	0.005 U	38	0.0033	0.05 U	12	0.05 U	1.3	11	0.05 U
OW-602A												
4/11/2018	XX	GW602AA6B	UF	0.005 U	14	0.003 U	0.05 U	2.8	0.05 U	0.6	2.5	
6/6/2018	XD	GWDP1XA75	UF	0.005 U	19	0.003 U	0.05 U	4.1	0.05 U	0.4	3.4	
6/6/2018	XX	GW602AA78	UF	0.008	18	0.003 U	0.05 U	4.1	0.05 U	0.5	3	
7/19/2018	XD	GWDP1XAE3	UF	0.005 U	17		0.05 U	3.5	0.05 U	0.4	2.6	
7/19/2018	XX	GW602AAE6	UF	0.005 U	17		0.05 U	3.6	0.05 U	0.4	2.7	
8/21/2018	XX	GW602AAF7	UF	0.005 U	18		0.1	3.5	0.05 U	0.4	2.5	
7/18/2019	XX	GW602ABDG	UF	0.005 U	13		0.05 U	3	0.05 U	0.4	2.8	
7/22/2020	XX	GW602ACJ9	UF	0.005 U	17		0.05 U	4.1	0.05 U	0.5	3.3	
7/12/2021	XX	GW602AE14	UF	0.005 U	36	0.003 U	0.05 U	7.7	0.05 U	0.6	4.1	0.05 U
7/21/2022	XX	GW602AFA2	UF	0.005 U	50	0.003 U	0.05 U	11	0.05 U	1.3	5.8	0.05 U
7/12/2023	XX	GW602AH9G	UF	0.005 U	52	0.003 U	0.05 U	12	0.05 U	0.73	5.3	0.05 U
7/18/2024	XX	GW602A1EE	UF	0.005 U	56	0.0036	0.05 U	13	0.05 U	0.93	9.7	0.05 U
OW-603B												
4/12/2018	XX	GW603BA6C	UF	0.005 U	34	0.003 U	0.11	11	0.16	1.4	8.5	

(OW-603B)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
6/5/2018	XX	GW603BA79	UF	0.005 U	27	0.003 U	0.05	8.1	0.11	1	5.9	
7/19/2018	XX	GW603BAE7	UF	0.017	21		19	8.5	0.93	3.7	4.9	
7/19/2018	XX	GWXXXXHG5	FILT	0.005 U	13		1.3	4.5	0.37	1.2	4.2	
8/21/2018	XX	GW603BAF8	UF	0.005 U	13		0.54	4.6	0.77	1.5	3.9	
7/18/2019	XX	GW603BBDH	UF	0.008	12		0.08	4.7	0.2	1.6	5.4	
7/22/2020	XX	GW603BCJA		I	I		I	I	I	I	I	
7/13/2021	XX	GW603BE15		D	D	D	D	D	D	D	D	D
10/6/2021	XX	GW603BE7J		D	D	D	D	D	D	D	D	D
7/21/2022	XX	GW603BFA3		D	D	D	D	D	D	D	D	D
7/12/2023	XX	GW603BH9H		I	I	I	I	I	I	I	I	I
4/2/2024	XX	GW603B13D	D	D	D	D	D	D	D	D	D	D
7/18/2024	XX	GW603B1EF		D	D	D	D	D	D	D	D	D

OW-604A

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/12/2018	XX	GW604AA6D	UF	0.005 U	10	0.003 U	0.05 U	2.6	0.05 U	0.6	3.5	
6/4/2018	XX	GW604AA7A	UF	0.007	8.9	0.003 U	0.05 U	2.3	0.05 U	0.5	3.1	
7/19/2018	XX	GW604AAE8	UF	0.005 U	9.2		0.05 U	2.4	0.05 U	0.5	2.7	
8/21/2018	XX	GW604AAF9	UF	0.005 U	15		0.05 U	3.4	0.05 U	0.6	3.1	
7/18/2019	XX	GW604ABDI	UF	0.005 U	13		0.05 U	4.2	0.05 U	0.6	4.4	
7/21/2020	XX	GW604ACJB	UF	0.005 U	18		0.05 U	5	0.05 U	0.7	4.7	
7/14/2021	XX	GW604AE16	UF	0.005 U	23	0.003 U	0.05 U	5.9	0.05 U	0.5	4.4	0.05 U
7/21/2022	XX	GW604AFA4	UF	0.005 U	38	0.003 U	0.05	9	0.05 U	3.1	9.8	0.05 U
7/12/2023	XX	GW604AH9I	UF	0.005 U	48	0.003 U	0.05 U	9	0.05 U	1.1	6	0.05 U
7/18/2024	XX	GW604A1EG	UF	0.005 U	49	0.0042	0.076	12	0.05 U	1.1	10	0.05 U

OW-605A

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/10/2018	XX	GW605AA6E	UF	0.005 U	17	0.003 U	1.4	4.6	0.05 U	0.5	4.1	
6/5/2018	XX	GW605AA7B	UF	0.005	18	0.003 U	0.2	4.2	0.05 U	0.5	3.8	
7/19/2018	XX	GW605AAE9	UF	0.005 U	17		0.2	3.9	0.05 U	0.4	3.4	
8/21/2018	XX	GW605AAFA	UF	0.005 U	17		0.1	3.8	0.05 U	0.4	3.4	
7/14/2021	XD	GWDP6XE1J	UF	0.005 U	26	0.003 U	0.15	6.2	0.05 U	0.6	5	0.05 U
7/14/2021	XX	GW605AE25	UF	0.005 U	28	0.003 U	0.18	6.6	0.05 U	0.6	5.6	0.05 U
10/7/2021	XX	GW605AE8G	UF	0.005 U	33	0.003 U	0.29	7.4	0.05 U	0.5	5.6	0.05 U
7/21/2022	XD	GWDP6XFAE	UF	0.005 U	41	0.0068	0.8	9.1	0.05 U	2.5	7.7	0.05 U
7/21/2022	XX	GW605AFB0	UF	0.005 U	39	0.015	0.8	9.1	0.05 U	0.89	6.3	0.05 U
7/12/2023	XD	GWDP7X00A	UF	0.005 U	39	0.003 U	14	8.8	0.05 U	0.72	6.1	0.05 U
7/12/2023	XX	GW605A00G	UF	0.005 U	38	0.003 U	8.9	9	0.05 U	0.72	6	0.05 U
7/18/2024	XD	GWDP7X1F9	UF	0.005 U	36	0.003 U	5.8	7.9	0.05 U	0.83	9.2	0.05 U
7/18/2024	XX	GW605A1FF	UF	0.005 U	36	0.003 U	7.6	7.9	0.05 U	0.81	9.2	0.05 U

OW-606A

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/3/2018	XX	GW606AA6F	UF	0.005 U	42	0.003 U	0.05 U	9.7	0.05 U	1.1	9.4	
6/4/2018	XX	GW606AA7C	UF	0.005	43	0.003 U	0.05 U	9.7	0.05 U	1.2	10	
7/19/2018	XX	GW606AAEA	UF	0.005 U	41		0.05 U	8.5	0.05 U	1.1	8.8	
8/21/2018	XX	GW606AAFB	UF	0.005 U	38		0.05 U	8.4	0.05 U	1	8.4	
7/14/2021	XX	GW606AE06	UF	0.005 U	39	0.003 U	0.5	8.6	0.05 U	1.1	8.4	0.05 U
10/7/2021	XX	GW606AE8H	UF	0.005 U	44	0.003 U	3.5	9.1	0.11	1	8.3	0.05 U
7/20/2022	XX	GW606AF94	UF	0.005 U	47	0.003 U	0.06	11	0.07	1.6	9.6	0.05 U
7/12/2023	XX	GW606AH8I	UF	0.005 U	47	0.003 U	0.24	11	0.05 U	1.2	9.5	0.05 U
7/17/2024	XX	GW606A1DH	UF	0.005 U	48	0.0071	0.05 U	11	0.05 U	1.3	9.7	0.05 U

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(OW-606B)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L

OW-606B

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
2/9/2021	XX	GW606BD9E		F	F	F	F	F	F	F	F	F
4/8/2021	XX	GW606BDAD	UF	0.005 U	28	0.003 U	1.4	5.7	0.58	1.6	21	0.05 U
6/8/2021	XX	GW606BDGG	UF	0.005 U	24	0.003 U	0.26	5.2	0.05	1.5	6.7	0.05 U
7/14/2021	XX	GW606BE37	UF	0.005 U	19	0.003 U	0.09	4.2	0.05 U	1.5	5.1	0.05 U
8/18/2021	XX	GW606BE4A	UF	0.005 U	22	0.003 U	0.11	4.7	0.05 U	1.7	5.7	0.05 U
10/7/2021	XX	GW606BE8I	UF	0.005 U	23	0.003 U	0.41	4.6	0.05 U	1.6	5.7	0.05 U
7/20/2022	XX	GW606BFB9	UF	0.005 U	23	0.003 U	0.72	5.3	0.05	2.1	7.1	0.05 U
7/12/2023	XX	GW606B015	UF	0.005 U	22	0.003 U	0.15	4.8	0.05 U	1.2	4.7	0.05 U
7/17/2024	XX	GW606B1G4	UF	0.005 U	21	0.003 U	0.15	4.4	0.05 U	1.1	4.3	0.05 U

OW-607B

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
2/9/2021	XX	GW607BD9F	UF	0.008	15	0.003 U	0.05 U	5.2	0.05 U	0.9	4.2	0.05 U
4/7/2021	XX	GW607BDAE	UF	0.007	18	0.003 U	0.05 U	5.3	0.05 U	1	4.5	0.05 U
6/9/2021	XX	GW607BDGH	UF	0.007	19	0.003 U	0.08	5.8	0.05 U	1.2	5.2	0.05 U
8/19/2021	XX	GW607BE4B	UF	0.009	18	0.003 U	0.05 U	5.2	0.05 U	1	4.2	0.05 U
10/7/2021	XX	GW607BE8J	UF	0.007	18	0.003 U	0.05 U	5.3	0.05 U	0.9	4.3	0.05 U
7/20/2022	XX	GW607BFBA	UF	0.005 U	19	0.003 U	0.18	6	0.09	1.5	5.3	0.05 U
7/13/2023	XX	GW607B016	UF	0.0066	19	0.003 U	0.05 U	6	0.05	1.2	5	0.05 U
7/18/2024	XX	GW607B1G5	UF	0.005 U	18	0.0034	0.05 U	6.2	0.051	1.4	10	0.05 U

OW-608A

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/4/2018	XX	GW608AA6G	UF	0.005	19	0.003 U	3.7	6.3	0.05 U	0.9	15	
6/4/2018	XX	GW608AA7D	UF	0.008	21	0.003 U	7.4	6.4	0.05	1	15	
7/18/2018	XX	GW608AAEB	UF	0.006	18		5	5.9	0.05 U	0.9	13	
8/20/2018	XX	GW608AAFC	UF	0.005 U	12		6	5.1	0.16	1.1	13	
7/15/2021	XX	GW608AE26	UF	0.005 U	17	0.003 U	0.53	5.8	0.05 U	0.9	13	0.05 U
10/6/2021	XX	GW608AE90	UF	0.005 U	10	0.003 U	2.5	4.7	0.08	1	12	0.05 U
7/20/2022	XX	GW608AFB1	UF	0.005 U	19	0.003 U	3.6	6.7	0.05	1.4	14	0.05 U
8/2/2023	XX	GW608A00H	UF	0.005 U	20	0.003 U	5.1	6.4	0.05 U	0.93	14	0.05 U
7/17/2024	XX	GW608A1FG	UF	0.005 U	5.1	0.003 U	0.92	3.2	0.05 U	1.1	12	0.05 U

OW-608B

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
2/10/2021	XX	GW608BD9G	UF	0.009	16	0.003 U	0.88	8.9	0.13	1.1	26	0.05 U
4/8/2021	XD	GWDP1XDA6	UF	0.007	16	0.003 U	0.27	8.7	0.11	1	26	0.05 U
4/8/2021	XX	GW608BDAF	UF	0.009	17	0.003 U	0.39	8.6	0.12	1	22	0.05 U
6/8/2021	XX	GW608BDGI	UF	0.009	17	0.003 U	0.05 U	8.9	0.24	1.1	33	0.05 U
8/17/2021	XD	GWDP1XE43	UF	0.006	16	0.003 U	0.05 U	8	0.18	1	29	0.05 U
8/17/2021	XX	GW608BE4C	UF	0.008	15	0.007	0.06	7.7	0.18	1	29	0.05 U
10/6/2021	XX	GW608BE91	UF	0.008	15	0.003 U	0.08	7.7	0.12	0.9	29	0.05 U
7/20/2022	XX	GW608BFBB	UF	0.0067	16	0.003 U	0.05 U	8.9	0.05 U	1.4	28	0.05 U
7/13/2023	XX	GW608B017	UF	0.0093	16	0.003 U	0.05 U	8.8	0.055	0.91	19	0.05 U
7/17/2024	XX	GW608B1G6	UF	0.005 U	26	0.0056	2	5.9	0.16	3	8.6	0.05 U

OW-609B

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
2/10/2021	XX	GW609BD9H	UF	0.005 U	19	0.003 U	0.31	3	0.36	1.1	52	0.05 U
4/8/2021	XX	GW609BDAG	UF	0.005 U	24	0.003 U	0.71	2	0.51	1.5	23	0.05 U
4/8/2021	XX	GWXXXXI6B		0.005 U	25	0.003 U	0.28	1.9	0.48	1.5	28	0.05 U
6/8/2021	XX	GW609BDGJ	UF	0.005	21	0.003 U	0.4	7.3	0.37	1.5	81	0.05 U
8/17/2021	XX	GW609BE4D	UF	0.007	19	0.004	0.37	7.9	0.29	1.4	68	0.05 U

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Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
(OW-609B)												
10/7/2021	XX	GW609BE92	UF	0.008	24	0.003 U	0.55	7.2	0.25	1.4	58	0.05 U
7/18/2022	XX	GW609BFBC	UF	0.0077	17	0.003 U	0.49	7.9	0.09	1.3	42	0.05 U
7/11/2023	XX	GW609B018	UF	0.005 U	17	0.003 U	0.25	7	0.17	1.3	32	0.05 U
7/17/2024	XX	GW609B1G7	UF	0.005 U	21	0.006	0.39	6.5	0.05 U	1.4	40	0.05 U
OW-610A												
10/5/2022	XX	GW610AG2F	UF	0.005 U	74	0.003 U	0.05 U	5.9	2.7	0.98	6.3	0.05 U
1/24/2023	XX	GW610AGBG	UF	0.005 U	74	0.003 U	0.063	6.7	1.9	1	5.8	0.05 U
4/19/2023	XX	GW610AH1I	UF	0.0051	77	0.003 U	0.05 U	7.4	1.5	1.2	6.2	0.05 U
6/19/2023	XX	GW610AH61	UF	0.005 U	67	0.003 U	0.05 U	5	1.6	0.77	4.8	0.05 U
7/13/2023	XX	GW610A01H	UF	0.005 U	67	0.003 U	0.05 U	5.1	1.6	0.84	5	0.05 U
7/17/2024	XX	GW610A1GF	UF	0.005 U	72	0.0045	0.079	5.1	1.7	0.87	5.7	0.05 U
OW-611A												
4/4/2018	XX	GW611AA6H	UF	0.005 U	56	0.003 U	0.05 U	5.8	0.05 U	1	15	
6/5/2018	XX	GW611AA7E	UF	0.007	54	0.003 U	0.17	5.5	0.05 U	0.9	12	
7/18/2018	XX	GW611AAEC	UF	0.005 U	55		0.3	5.3	0.05 U	1	13	
8/20/2018	XX	GW611AAFD	UF	0.005 U	52		0.65	5	0.05 U	0.9	12	
7/14/2021	XX	GW611AE27	UF	0.005 U	61	0.003 U	0.1	6.2	0.05 U	1.1	16	0.05 U
10/7/2021	XX	GW611AE93	UF	0.005 U	61	0.003 U	0.11	6.3	0.05 U	0.8	15	0.05 U
7/20/2022	XX	GW611AFB2	UF	0.005 U	66	0.003 U	0.18	7.3	0.05 U	1.5	18	0.05 U
7/13/2023	XX	GW611A00I	UF	0.005 U	67	0.003 U	1.6	7.2	0.05 U	1.1	20	0.05 U
7/17/2024	XX	GW611A1FH	UF	0.005 U	64	0.003 U	2.3	6.7	0.05 U	1.3	20	0.05 U
P-04-02 & P-04-02R												
7/15/2015	XX	GWXXXX7DJ		0.007	17.5		1.52	4.3	0.08	1.7	32.7	
10/28/2015	XX	GWXXXX7J4		0.009	29.8		0.22	7.8	0.21	2	92	
4/6/2016	XX	GWXXXX87I		0.015	29.3		0.05 U	7.9	0.05 U	1.6	61.8	
7/27/2016	XX	GWXXXX8C7		0.016	37		0.05 U	9.4	0.05 U	2.4	112	
10/26/2016	XX	GWXXXX904		0.008	35		0.05 U	10.2	0.05 U	2.5	98.9	
4/19/2017	XX	GWXXXX98C		0.009	30		0.15	9.5	0.05 U	2.4	96	
4/19/2017	XX	GWXXXX98H	FILT	0.007	29		0.05 U	9.3	0.05 U	2.3	87	
7/26/2017	XX	GWXXXX9E8		0.008	30		0.05 U	8.4	0.05 U	2.3	78	
7/26/2017	XX	GWXXXX9EA	FILT	0.005 U	29		0.05 U	7.8	0.05 U	1.8	65	
10/25/2017	XX	GWXXXX9I3		0.007	32		0.07	8.6	0.05 U	2.1	73	
4/4/2018	XX	GWXXXXA29	FILT	0.008	27		0.05 U	7.8	0.05 U	1.9	69	
4/4/2018	XX	GWXXXXA44	UF	0.009	29		0.05 U	8.3	0.05 U	1.9	64	
7/18/2018	XX	GWXXXXAD3	UF	0.006	28		0.05 U	7	0.05 U	1.8	56	
7/18/2018	XX	GWXXXXAD5	FILT	0.005 U	27		0.05 U	7	0.05 U	1.6	45	
10/3/2018	XX	GWXXXXB21	UF	0.005	28		0.05 U	7.9	0.05 U	1.8	51	
4/22/2019	XX	GWXXXXB70	UF	0.007	27		0.05 U	7.5	0.05 U	1.9	50	
7/17/2019	XX	GWXXXXBDA	UF	0.008	22		0.05 U	7.3	0.05 U	2	61	
10/30/2019	XX	GWXXXXBJ2	UF	0.006	22		0.09	6.6	0.05 U	1.8	49	
4/29/2020	XX	GWXXXXCEA	UF	0.006	22		0.05 U	6	0.05 U	1.6	49	
7/22/2020	XX	GWXXXXCJ3	UF	0.006	22		0.05 U	6.8	0.05 U	1.7	47	
10/28/2020	XX	GWXXXXD46	UF	0.008	23		0.05 U	7.2	0.05 U	1.6	43	
4/7/2021	XX	GWXXXXDD9	UF	0.006	26		0.05 U	7.3	0.05 U	1.6	35	
7/12/2021	XX	GWXXXXE10	UF	0.005 U	23		0.05 U	6.3	0.05 U	1.6	34	
10/6/2021	XX	GWXXXXE77	UF	0.005	24		0.05 U	6.5	0.05 U	1.5	29	
4/26/2022	XX	GWXXXXF1I	UF	0.005 U	20		0.44	5.4	0.05 U	2.2	42	

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(P-04-02 & P-04-02R)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
7/19/2022	XX	GWXXXXF9I	UF	0.005 U	22		0.08	6.3	0.05 U	1.6	39	
10/4/2022	XX	GWXXXXFJH	UF	0.005 U	28		0.21	7.2	0.05 U	1.7	27	
4/17/2023	XX	GWXXXXGJ8	UF	0.0059	19		0.16	3.7	0.05 U	1.3	17	
7/10/2023	XX	GWXXXXH9C	UF	0.005 U	23		1	4.9	0.08	1.6	19	
10/2/2023	XX	GWXXXX06G	UF	0.005 U	23		0.16	5.2	0.05 U	1.5	23	
4/1/2024	XX	GWXXXX135	UF	0.005 U	23		0.25	3.6	0.05 U	1.4	13	
7/15/2024	XX	GWXXXX1EA	UF	0.005 U	25		0.058	5.3	0.05 U	1.5	17	
10/7/2024	XX	GWXXXX1JI	UF	0.005 U	23		0.064	6.2	0.05 U	1.3	13	

P-04-04

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/29/2015	XX	GWXXXX79B		0.012	21.9		0.05 U	5.2	0.05 U	1.3	4.3	
7/15/2015	XX	GWXXXX7D3		0.014	20.4		0.05 U	4.9	0.05 U	1.3	3.9	
10/28/2015	XX	GWXXXX7IC		0.011	21.6		0.05 U	4.9	0.05 U	1.2	3.7	
4/6/2016	XX	GWXXXX872		0.009	21.5		0.05 U	4.9	0.05 U	1.3	3.8	
7/27/2016	XX	GWXXXX8BC		0.012	23.3		0.05 U	5.4	0.05 U	1.4	4.1	
10/26/2016	XX	GWXXXX8JB		0.009	21.7		0.05 U	5.7	0.05 U	1.4	4.4	
4/19/2017	XX	GWXXXX97H		0.01	20		0.05 U	5.5	0.05 U	1.4	4.2	
7/26/2017	XX	GWXXXX9DF		0.005	22		0.05 U	5.1	0.05 U	1.2	3.9	
10/25/2017	XX	GWXXXX9HA		0.011	23		0.05 U	5.5	0.05 U	1.2	4.3	
4/4/2018	XX	GWXXXXA39	UF	0.007	24		0.05 U	5.7	0.05 U	1.4	4.6	
7/18/2018	XX	GWXXXXACA	UF	0.005	24		0.05 U	5.2	0.05 U	1.3	4	
10/3/2018	XX	GWXXXXB18	UF	0.007	24		0.05 U	5.4	0.05 U	1.3	4.3	
4/22/2019	XX	GWXXXXB65	UF	0.005 U	24		0.05 U	5.8	0.05 U	1.4	4.4	
7/17/2019	XX	GWXXXXBCG	UF	0.007	21		0.05 U	5.9	0.05 U	1.5	4.9	
10/30/2019	XX	GWXXXXBI9	UF	0.007	22		0.05 U	5.8	0.05 U	1.4	4.4	
4/29/2020	XX	GWXXXXCDG	UF	0.008	23		0.05 U	5.6	0.05 U	1.4	4.5	
7/22/2020	XX	GWXXXXCI9	UF	0.005	21		0.05 U	6	0.05 U	1.3	4.6	
10/28/2020	XX	GWXXXXD3D	UF	0.007	24		0.05 U	6	0.05 U	1.3	4.6	
4/7/2021	XX	GWXXXXDCF	UF	0.005 U	26		0.05 U	6.5	0.05 U	1.4	4.6	
7/12/2021	XX	GWXXXXE07	UF	0.005 U	24		0.05 U	6	0.05 U	1.3	4.2	
10/6/2021	XX	GWXXXXE6F	UF	0.007	24		0.05 U	5.7	0.05 U	1.3	4.3	
4/26/2022	XX	GWXXXXF17	UF	0.005	26		0.05 U	6.1	0.05 U	2.1	5	
7/19/2022	XX	GWXXXXF95	UF	0.005	28		0.05 U	6.9	0.05 U	1.4	4.8	
10/4/2022	XX	GWXXXXFJ6	UF	0.005 U	27		0.05 U	6	0.05 U	1.3	4.3	
4/17/2023	XX	GWXXXXGIH	UF	0.0059	28		0.05 U	6.8	0.05 U	1.4	4.7	
7/10/2023	XX	GWXXXXH8J	UF	0.005 U	28		0.052	6.2	0.05 U	1.3	4.5	
10/2/2023	XX	GWXXXX066	UF	0.005 U	26		0.05 U	6.4	0.05 U	1.5	5.4	
4/1/2024	XX	GWXXXX12G	UF	0.005 U	26		0.05 U	6.1	0.05 U	1.4	5	
7/15/2024	XX	GWXXXX1DI	UF	0.005 U	27		0.05 U	6.1	0.05 U	1.3	4.7	
10/7/2024	XX	GWXXXX1J9	UF	0.005 U	23		0.05 U	5.9	0.05 U	1.1	4	

P-04-07A

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
10/3/2022	XX	GWXXXXG2G	UF	0.005 U	42	0.003 U	0.05 U	5.2	0.05 U	0.79	7.5	0.05 U
1/24/2023	XX	GWX07AGBD		F	F	F	F	F	F	F	F	F
3/30/2023	XD	GWDP1XGGJ	UF	0.005 U	58	0.003 U	0.05 U	7.3	0.05 U	1.3	40	0.05 U
3/30/2023	XX	GWX07AGH0	UF	0.005 U	42	0.003 U	0.05 U	5.5	0.05 U	0.81	8.7	0.05 U
4/19/2023	XD	GWDP5XH0A	UF	0.005 U	40	0.003 U	0.05 U	5.8	0.05 U	0.92	8.1	0.05 U
4/19/2023	XX	GWXXXXH1J	UF	0.006	41	0.003 U	0.05 U	5.7	0.05 U	0.85	8	0.05 U
6/19/2023	XD	GWDP1XH5E	UF	0.005 U	40	0.003 U	0.05 U	5.2	0.05 U	0.7	7.8	0.05 U
6/19/2023	XX	GWX07AH5F	UF	0.005 U	38	0.003 U	0.05 U	4.9	0.05 U	0.69	7.5	0.05 U

DATA SUMMARY TABLE

Metals Parameters

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
(P-04-07A)												
7/13/2023	XD	GWDP6X021	UF	0.005 U	37	0.003 U	0.05 U	5	0.05 U	0.72	7.6	0.05 U
7/13/2023	XX	GWX07A01J	UF	0.005 U	37	0.003 U	0.16	5	0.05 U	0.72	7.5	0.05 U
7/17/2024	XD	GWDP6X1GJ	UF	0.005 U	35	0.003 U	0.075	4.5	0.05 U	0.79	7.5	0.05 U
7/17/2024	XX	GWX07A1GH	UF	0.005 U	35	0.003 U	0.1	4.8	0.05 U	1.2	7.9	0.05 U
P-04-07B												
10/3/2022	XX	GWXXXXG2H	UF	0.005 U	63	0.003 U	0.05	6.8	0.05 U	1.1	27	0.05 U
1/24/2023	XX	GWX07BGBE		F	F	F	F	F	F	F	F	F
3/30/2023	XX	GWX07BGH1	UF	0.005 U	63	0.003 U	0.05 U	7.2	0.05 U	1.3	38	0.05 U
4/19/2023	XX	GWXXXXH20	UF	0.005 U	71	0.003 U	0.05 U	8.2	0.05 U	1.2	24	0.05 U
6/19/2023	XX	GWX07BH5G	UF	0.005 U	74	0.003 U	0.05 U	7.9	0.05 U	1.1	21	0.05 U
7/13/2023	XX	GWX07B020	UF	0.005 U	71	0.003 U	0.05 U	7.8	0.05 U	1.1	20	0.05 U
7/17/2024	XX	GWX07B1GI	UF	0.005 U	31	0.003 U	0.05 U	4.5	0.05 U	1.8	98	0.05 U
P-04-11A												
2/10/2021	XX	GWXXXXD9I	UF	0.015	12	0.003 U	0.62	2.9	0.05 U	0.8	12	0.05 U
4/8/2021	XX	GWXXXXDAH	UF	0.013	13	0.003 U	0.05 U	2.9	0.05 U	0.7	9.4	0.05 U
6/9/2021	XX	GWXXXXDH0	UF	0.012	13	0.003 U	0.05	2.9	0.05 U	0.9	12	0.05 U
8/18/2021	XX	GWXXXXE4E	UF	0.011	10	0.003 U	0.05 U	2.3	0.05 U	0.9	11	0.05 U
10/6/2021	XX	GWX11AE94	UF	0.013	13	0.003 U	0.05 U	2.5	0.05 U	0.8	13	0.05 U
4/27/2022	XX	GWX11AF39	UF	0.011	13	0.003 U	0.08	2.8	0.05 U	1.3	12	0.05 U
7/21/2022	XX	GWXXXXFBE	UF	0.005 U	12	0.0075	1.2	2.8	0.06	1.3	11	0.05 U
7/12/2023	XX	GWXXXX01A	UF	0.011	15	0.003 U	0.05 U	3.5	0.05 U	0.79	5.5	0.05 U
7/18/2024	XX	GWXXXX1G9	UF	0.0053	14	0.0034	0.074	3.4	0.05 U	1.1	9	0.05 U
P-04-11B												
2/10/2021	XX	GWXXXXD9J	UF	0.005 U	2.5	0.003 U	0.15	1	0.05 U	0.3	4.2	0.05 U
4/8/2021	XX	GWXXXXDAI	UF	0.005 U	2.7	0.003 U	0.29	1.1	0.05 U	0.3	4	0.05 U
6/9/2021	XX	GWXXXXDH1	UF	0.005 U	3	0.003 U	0.13	1.1	0.05 U	0.3	4.2	0.05 U
8/18/2021	XX	GWXXXXE4F	UF	0.005 U	3.2	0.003 U	0.13	1.2	0.05 U	0.4	4	0.05 U
10/6/2021	XX	GWX11BE95	UF	0.005 U	3.2	0.003 U	0.16	1.2	0.05 U	0.3	3.6	0.05 U
4/27/2022	XX	GWX11BF3A	UF	0.005 U	3.2	0.003 U	0.17	1.2	0.05 U	0.87	5.8	0.05 U
7/21/2022	XX	GWXXXXFBF		D	D	D	D	D	D	D	D	D
7/12/2023	XX	GWXXXX01B	UF	0.005 U	3.3	0.003 U	1.4	1.5	0.05 U	0.57	4.1	0.05 U
7/18/2024	XX	GWXXXX1GA	UF	0.005 U	3.2	0.0039	0.72	1.4	0.05 U	0.56	7.6	0.05 U
P-206A												
4/27/2015	XX	GW206A79A		0.009	11.8		1.44	3.1	0.1	1	7.3	
7/13/2015	XX	GW206A7D2		0.013	12.8		0.51	3.1	0.1	1	7.4	
10/26/2015	XX	GW206A7IB		0.013	13		5.84	3.8	0.17	1	7.8	
4/4/2016	XX	GW206A871		0.009	13.9		0.26	3.5	0.08	0.9	7.2	
7/25/2016	XX	GW206A8BB		0.022	16.4		2.47	4.2	0.12	1	8.3	
10/24/2016	XX	GW206A8JA		0.009	19.5		0.21	5	0.1	1.2	9.1	
4/17/2017	XX	GW206A97G		0.01	19		1.6	5.2	0.11	1.2	9.1	
7/24/2017	XX	GW206A9DE		0.006	20		0.31	5.1	0.08	0.9	9.3	
10/23/2017	XX	GW206A9H9		0.007	22		0.46	5.6	0.08	1	9.1	
4/2/2018	XX	GW206AA38	UF	0.007	22		0.44	6	0.09	1.2	11	
7/16/2018	XX	GW206AAC9	UF	0.007	23		0.28	5.7	0.09	1.2	10	
10/1/2018	XX	GW206AB17	UF	0.009	24		0.49	6.2	0.09	1.1	9.9	
4/22/2019	XX	GW206AB64	UF	0.007	23		0.72	6.2	0.09	1.2	9.2	
7/17/2019	XX	GW206ABCF	UF	0.006	19		0.22	6.1	0.07	1.3	9.7	

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(P-206A)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/28/2019	XX	GW206ABI8	UF	0.005	20		0.8	5.4	0.07	1.1	7.6	
4/27/2020	XX	GW206ACDF	UF	0.006	24		0.62	6.5	0.08	1.2	9.1	
7/20/2020	XX	GW206ACI8	UF	0.005 U	23		0.24	6.5	0.08	1.3	9.3	
10/26/2020	XX	GW206AD3C		A	A		A	A	A	A	A	
4/5/2021	XX	GW206ADCE	UF	0.005 U	23		1.5	7.2	0.15	1.2	8.5	
7/14/2021	XX	GW206AE22	UF	0.005 U	22	0.003	0.19	7.4	0.05 U	0.9	6.7	0.05 U
10/4/2021	XX	GW206AE6E	UF	0.005 U	26		0.1	8.2	0.05 U	0.8	6.8	
4/25/2022	XX	GW206AF16	UF	0.005 U	25		0.07	8.1	0.05 U	1.4	7	
7/18/2022	XX	GW206AFAH	UF	0.005 U	26	0.003 U	0.1	8.6	0.05 U	1.1	7.7	0.05 U
10/3/2022	XX	GW206AFJ5	UF	0.005 U	27		0.08	8	0.05 U	0.98	7.4	
4/17/2023	XX	GW206AGIG	UF	0.005 U	25		0.25	8.5	0.05 U	1	7.3	
7/10/2023	XX	GW206A00D	UF	0.005 U	25	0.0053	0.14	7.8	0.05 U	0.93	6.8	0.05 U
10/2/2023	XX	GW206A065	UF	0.005 U	26	0.003 U	0.25	8	0.05 U	1	8.1	0.05 U
4/1/2024	XX	GW206A12F	UF	0.005 U	24	0.029	0.18	7	0.05 U	0.98	7.3	0.05 U
7/15/2024	XX	GW206A1FC	UF	0.005 U	24	0.003 U	0.25	7	0.05 U	0.9	7.2	0.05 U
10/7/2024	XX	GW206A1J8	UF	0.005 U	19	0.003 U	0.071	6.1	0.05 U	0.82	6.3	0.05 U

PWS10-1

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/27/2015	XX	GWPWS1788		0.019	30.8		1.33	8.4	0.06	1.2	8.5	
7/13/2015	XX	GWPWS17C0		0.011	20.2		7.27	5.8	0.31	1.8	6.3	
10/26/2015	XX	GWPWS17H9		0.01	8.7		1.18	2.7	0.07	0.5	4.7	
4/4/2016	XX	GWPWS185J		0.005 U	26.6		2.36	7.4	0.1	0.4	8.1	
7/25/2016	XX	GWPWS18A9		0.014	13.9		4.77	4.1	0.35	0.6	4.3	
10/24/2016	XX	GWPWS18I8		0.005	38.1		8.08	10.4	0.92	0.9	8.5	
4/17/2017	XX	GWPWS196E		0.007	10		0.34	3.1	0.06	0.7	6.6	
7/24/2017	XX	GWPWS19CC		0.005 U	35		1.7	9.3	0.5	0.8	8.9	
10/25/2017	XX	GWPWS19G7		0.011	20		5.8	6.3	0.31	0.8	7.2	
4/2/2018	XX	GWPWS1A25	UF	0.005 U	19		0.07	4.9	0.28	1.2	7.1	
7/16/2018	XX	GWPWS1AB7	UF	0.005	21		3.8	5.6	0.56	0.8	6.1	
10/1/2018	XX	GWPWS1B05	UF	0.005	15		1.3	4.1	0.1	0.6	5.7	
4/22/2019	XX	GWPWS1B51	UF	0.005 U	21		3.8	6.5	0.2	0.8	6.9	
7/15/2019	XX	GWPWS1BBE	UF	0.01	9.9		4.1	2.9	0.8	0.5	6.3	
10/28/2019	XX	GWPWS1BH7	UF	0.005 U	20		0.75	5.3	0.22	0.9	5.3	
4/27/2020	XX	GWPWS1CCE	UF	0.005 U	31		8.1	8.4	2.3	1.2	9.2	
7/20/2020	XX	GWPWS1CH7	UF	0.005	24		13	6.7	2.6	2.2	8	
10/26/2020	XX	GWPWS1D2B	UF	0.005 U	29		0.76	8.9	0.41	1.6	7.5	
4/5/2021	XX	GWPWS1DBD	UF	0.005 U	20		4.3	11	0.08	1.1	8.6	
7/12/2021	XX	GWPWS1DJ5	UF	0.005 U	10		1.4	2.7	0.42	1.2	2.8	
10/4/2021	XX	GWPWS1E5D	UF	0.005 U	33		5.3	9.5	1.3	2.1	8	
4/25/2022	XX	GWPWS1F05	UF	0.01 U	26		13	8.1	2	1.3	6.7	
7/18/2022	XX	GWPWS1F83	UF	0.005 U	9.8		2.2	3	0.35	1.5	7	
10/3/2022	XX	GWPWS1FI4	UF	0.005 U	25		3.2	7.3	1.3	1.6	7.5	
4/17/2023	XX	GWPWS1GHF	UF	0.005 U	26		1.8	7.2	0.39	1.4	5.9	
7/10/2023	XX	GWPWS1H7H	UF	0.0079	27		18	6.1	4.8	1.9	5.7	
10/2/2023	XX	GWPWS1055	UF	0.005 U	33		8.4	9	0.76	3.2	11	
4/1/2024	XX	GWPWS111F	UF	0.005 U	16		0.29	4.2	0.05 U	1.1	3.6	
7/15/2024	XX	PWPWS11CH	UF	0.005 U	0.3 U		0.05 U	0.3 U	0.05 U	0.3 U	0.3 U	
10/7/2024	XX	PWPWS11I8	UF	0.005 U	22		1	6.2	0.31	1.3	4.9	

PWS10-2

(PWS10-2)

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
4/27/2015	XX	GWPWS2789		0.005 U	10.4		1.28	3.5	0.05	0.5	7.8	
7/13/2015	XX	GWPWS27C1		0.01	12.3		13.8	4.7	0.4	1	4.4	
10/26/2015	XX	GWPWS27HA		0.012	9.3		0.08	1.3	0.05 U	1.3	1.6	
4/4/2016	XX	GWPWS2860		0.005	11.3		0.99	2.7	0.07	0.8	3.5	
7/25/2016	XX	GWPWS28AA		0.015	13.1		1.23	3.5	0.06	0.3 U	3.6	
10/24/2016	XX	GWPWS28I9		0.007	15.4		6.51	4.7	0.3	1.6	3.4	
4/17/2017	XX	GWPWS296F		0.006	10		1.7	2.8	0.08	1	3.2	
7/24/2017	XX	GWPWS29CD		0.005 U	16		0.93	4.1	0.14	0.3 U	5.1	
10/24/2017	XX	GWPWS29G8		D	D		D	D	D	D	D	
4/2/2018	XX	GWPWS2A26	UF	0.005 U	8.9		1.3	1.6	0.07	1.1	2.3	
7/16/2018	XX	GWPWS2AB8	UF	0.005	15		1.6	3.7	0.26	0.4	4.6	
10/1/2018	XX	GWPWS2B06	UF	0.005 U	14		0.61	3.1	0.06	0.4	4.2	
4/22/2019	XX	GWPWS2B52	UF	0.005 U	8.7		0.05 U	1.2	0.05 U	1.3	4.8	
7/15/2019	XX	GWPWS2BBF	UF	0.005	9.7		2.7	2.6	0.28	0.8	5.4	
10/28/2019	XX	GWPWS2BH8	UF	0.005 U	9		0.45	1.2	0.94	1.1	2.9	
4/27/2020	XX	GWPWS2CCF	UF	0.005	29		2	3.9	0.61	1.9	7.6	
7/20/2020	XX	GWPWS2CH8	UF	0.005 U	13		0.95	2.9	0.09	1.7	7.5	
10/26/2020	XX	GWPWS2D2C	UF	0.005 U	15		1.6	2.6	0.28	1.8	4.6	
4/5/2021	XX	GWPWS2DBE	UF	0.005 U	9.2		0.82	1.4	0.07	0.8	4.4	
7/12/2021	XX	GWPWS2DJ6	UF	0.005 U	7.1		2.8	1.5	0.21	1.1	2.5	
10/4/2021	XX	GWPWS2E5E	UF	0.005 U	7.1		2.4	1.9	0.21	1.1	4.5	
4/25/2022	XX	GWPWS2F06	UF	0.005 U	7.4		0.26	1.9	0.05 U	2.4	8.3	
7/18/2022	XX	GWPWS2F84	UF	0.005 U	5.3		2.3	1.7	0.05	1.9	5.7	
10/3/2022	XX	GWPWS2FI5	UF	0.005 U	9.4		2.1	2.1	0.32	1.5	3.4	
4/17/2023	XX	GWPWS2GHG	UF	0.005 U	7.2		0.59	1.9	0.32	0.59	5.6	
7/10/2023	XX	GWPWS2H7I	UF	0.005 U	12		3	3.3	0.42	1.3	4.7	
10/2/2023	XX	GWPWS2056	UF	0.005 U	7.2		1.9	1.9	0.29	2.5	4	
4/1/2024	XX	GWPWS211G	UF	0.005 U	3.3		0.92	1.2	0.05 U	0.83	3.7	
7/15/2024	XX	PWPWS21CI	UF	0.005 U	24		0.89	2.9	0.21	2.3	2.1	
10/7/2024	XX	PWPWS21I9	UF	0.005 U	14		1.5	3	0.35	1.1	3	

PWS10-3

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/27/2015	XX	GWPWS378A		0.005 U	4.8		1.78	1.7	0.08	0.6	2.6	
7/13/2015	XX	GWPWS37C2		0.007	8		2.44	2.2	0.11	0.3 U	3.8	
10/26/2015	XX	GWPWS37HB		0.01	8.1		1.57	2.6	0.15	0.3 U	4.2	
4/4/2016	XX	GWPWS3861		0.005 U	20.6		0.48	3.6	0.05 U	0.6	4.2	
7/25/2016	XX	GWPWS38AB		D	D		D	D	D	D	D	
10/24/2016	XX	GWPWS38IA		0.005 U	17.1		0.22	5	0.1	0.3 U	6	
4/17/2017	XX	GWPWS396G		0.005	6		1.5	2.1	0.34	0.9	3.5	
7/24/2017	XX	GWPWS39CE		0.006	15		5.2	4.2	0.39	2.6	6.4	
10/24/2017	XX	GWPWS39G9		D	D		D	D	D	D	D	
4/2/2018	XX	GWPWS3A27	UF	0.005	3.5		0.17	1.3	0.05 U	0.6	3.8	
7/16/2018	XX	GWPWS3AB9		D	D		D	D	D	D	D	
10/1/2018	XX	GWPWS3B07	UF	0.005 U	9.6		0.37	3	0.05 U	0.6	6	
4/22/2019	XX	GWPWS3B53	UF	0.005 U	4.3		0.34	1.6	0.05 U	1.1	8.6	
7/15/2019	XX	GWPWS3BBG	UF	0.01	6.6		5.9	2.3	0.34	0.3	5.8	
10/28/2019	XX	GWPWS3BH9	UF	0.005 U	3		0.7	0.7	0.21	0.6	0.5	
4/27/2020	XX	GWPWS3CCG	UF	0.005 U	6		0.3	1.7	0.05 U	0.7	1.9	
7/20/2020	XX	GWPWS3CH9	UF	0.007	13		13	3.5	2.8	0.4	3	
10/26/2020	XX	GWPWS3D2D	UF	0.005 U	9.3		2.8	3.1	1	0.7	4.1	

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Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
(PWS10-3)												
4/5/2021	XX	GWPWS3DBF	UF	0.005 U	11		3.9	4.3	0.45	0.3 U	4.2	
7/12/2021	XX	GWPWS3DJ7	UF	0.009	8.7		2.3	2.5	0.48	0.9	2.3	
10/4/2021	XX	GWPWS3E5F	UF	0.005	9.1		2.3	2.7	0.57	0.5	4.9	
4/25/2022	XX	GWPWS3F07	UF	0.005 U	9.3		0.45	3.3	0.14	2.1	5.6	
7/18/2022	XX	GWPWS3F85	UF	0.005 U	11		11	4	0.58	1.1	3.1	
10/3/2022	XX	GWPWS3FI6	UF	0.005 U	9.6		4.9	2.8	0.2	0.67	2.8	
4/17/2023	XX	GWPWS3GHH	UF	0.005 U	7.6		1.5	2.4	0.05 U	0.84	7	
7/10/2023	XX	GWPWS3H7J	UF	0.005 U	14		9.4	3.7	1.5	1.1	6.6	
10/2/2023	XX	GWPWS3057	UF	0.005 U	6.9		1.2	2.1	0.05 U	0.3 U	5	
4/1/2024	XX	GWPWS311H	UF	0.005 U	5.4		1.8	1.2	0.05 U	1.3	2.1	
7/15/2024	XX	PWPWS31CJ	UF	0.005 U	36		29	11	2	5.8	8.6	
10/7/2024	XX	PWPWS31IA	UF	0.005 U	20		2.3	5.6	0.49	1.5	3.9	
PWS-4												
1/24/2023	XX	PWXX4XGBI		A	A	A	A	A	A	A	A	A
3/30/2023	XX	PWXX4XGH5	UF	0.005 U	10	0.003 U	2.8	3.5	0.83	0.3 U	5.8	0.05 U
4/19/2023	XX	GWXXXXH22	UF	0.011	10	0.003 U	3.9	3.1	1	0.41	7.1	0.05 U
6/19/2023	XX	PWXX4XH5J	UF	0.005 U	11	0.003 U	4.8	3.1	2.1	0.3 U	4.8	0.05 U
7/13/2023	XX	PWXX4X023	UF	0.005 U	21	0.003 U	1.9	4.8	0.26	1.2	5.3	0.05 U
10/4/2023	XX	GWXXXX094	UF	0.005 U	19	0.003 U	1.2	5	0.35	1.1	6.3	0.05 U
4/2/2024	XX	GWXXXX15B	UF	0.005 U	4.4		6.3	2.3	0.29	1.9	3.1	
7/16/2024	XX	PWXX4X1H1	UF	0.005 U	12	0.003 U	2.4	2.9	0.49	1.3	2.4	0.18
10/9/2024	XX	PWXXXX224	UF	0.005 U	9.6		1.8	2.6	0.88	1.2	3	
SW-1												
4/28/2015	XX	SWXX1X785		0.006	6.5		0.15	2.1	0.05 U	0.7	8.6	
7/14/2015	XX	SWXX1X7BH		0.005 U	9.2		1.24	2.6	0.19	0.3	4.4	
10/27/2015	XX	SWXX1X7H6		0.005 U	6.8		0.37	2.4	0.05 U	0.3	4.5	
4/5/2016	XX	SWXX1X85G		0.005 U	5.7		0.08	1.9	0.05 U	0.4	6.6	
7/26/2016	XX	SWXX1X8A6		0.012	22.6		8.95	6.9	0.41	1.1	6	
10/25/2016	XX	SWXX1X8I5		0.005 U	9.5		0.71	2.9	0.05 U	0.7	4.9	
4/18/2017	XX	SWXX1X96B		0.005 U	3.6		0.26	1.5	0.05 U	0.5	5.2	
7/25/2017	XX	SWXX1X9C9		0.007	29		3.1	8.4	0.41	1.1	7.9	
10/25/2017	XX	SWXX1X9G4		0.005 U	13		1.5	4	0.11	2.7	5.1	
4/3/2018	XX	SWXX1XA22	UF	0.005 U	15		0.08	4.8	0.05 U	1	7.8	
7/17/2018	XX	SWXX1XAB4	UF	0.01	28		9.8	7.1	0.73	0.9	6	
10/2/2018	XX	SWXX1XB02	UF	0.005 U	16		0.89	4.2	0.09	0.6	6	
4/23/2019	XX	SWXX1XB4I	UF	0.005 U	15		0.14	4.2	0.05 U	0.9	5	
7/16/2019	XX	SWXX1XBBB	UF	0.006	10		4.8	3.3	1.1	0.5	6.5	
10/29/2019	XX	SWXX1XBH4	UF	0.005 U	27		0.21	7.2	0.12	1.5	8	
4/28/2020	XX	SWXX1XCCB	UF	0.005 U	24		0.07	6.5	0.05 U	1.4	7.1	
7/21/2020	XX	SWXX1XCH4	UF	0.005 U	14		4.3	4.8	1.1	2.8	8.1	
10/27/2020	XX	SWXX1XD28	UF	0.005 U	27		2.3	9.4	1.8	3.8	9.8	
4/6/2021	XX	SWXX1XDBA	UF	0.005 U	24		0.12	6.7	0.2	1.2	5.7	
7/13/2021	XX	SWXX1XDJ2	UF	0.005 U	9.5		2.1	2.6	0.37	0.9	2.9	
10/5/2021	XX	SWXX1XE5A	UF	0.005 U	45		1.2	11	0.82	2.2	9.1	
4/26/2022	XX	SWXX1XF02	UF	0.005 U	24		0.13	6.4	0.05	1.6	6.5	
7/19/2022	XX	SWXX1XF80	UF	0.005 U	13		5	3.6	0.9	1.8	6.9	
10/4/2022	XX	SWXX1XFI1	UF	0.005 U	26		2.5	7.3	1.2	1.7	7.3	
4/18/2023	XX	SWXX1XGHC	UF	0.005 U	14		0.69	4.1	0.32	2	5.9	

(SW-1)

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
7/11/2023	XX	SWXX1XH7E	UF	0.0055	28		11	7.3	2.4	1.9	7.2	
10/3/2023	XX	SWXX1X052	UF	0.005 U	24		4.3	6.7	0.4	3.1	7.2	
4/2/2024	XX	SWXX1X11C	UF	0.0053	31		1.2	7.4	0.05 U	1.6	5.1	
7/16/2024	XX	SWXX1X1CE	UF	0.005 U	36		5.5	8.1	0.82	1.3	6	
10/8/2024	XX	SWXX1X1I5	UF	0.005 U	18		1	5.2	0.19	0.92	4.7	

SW-2

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
4/28/2015	XX	SWXX2X786		0.005 U	4.4		0.17	1.7	0.05 U	0.6	8.1	
4/28/2015	XD	SWDP2X78B		0.005 U	4.4		0.17	1.7	0.05 U	0.6	8.1	
7/14/2015	XX	SWXX2X7BI		0.005 U	7.1		0.89	2.2	0.19	0.4	4.1	
10/27/2015	XX	SWXX2X7H7		0.005 U	4.8		0.21	1.8	0.05 U	0.3 U	4.1	
10/27/2015	XD	SWDP2X7HC		0.005 U	4.8		0.21	1.9	0.05 U	0.3 U	4.6	
4/5/2016	XD	SWDP2X862		0.005 U	4.5		0.07	1.8	0.05 U	0.4	6.7	
4/5/2016	XX	SWXX2X85H		0.005 U	4.6		0.07	1.8	0.05 U	0.4	6.9	
7/26/2016	XX	SWXX2X8A7		0.011	9.1		1.41	2.8	0.12	0.3 U	3	
10/25/2016	XD	SWDP2X8IB		0.005 U	9		0.69	2.8	0.05 U	0.7	4.9	
10/25/2016	XX	SWXX2X8I6		0.005 U	8.6		0.65	2.7	0.05 U	0.7	4.7	
4/18/2017	XD	SWDP2X96H		0.007	3.4		0.25	1.4	0.05 U	0.5	5.5	
4/18/2017	XX	SWXX2X96C		0.005	3.3		0.26	1.4	0.05 U	0.5	5.3	
7/25/2017	XX	SWXX2X9CA		0.005 U	11		2.5	3.3	0.35	0.5	5.1	
10/25/2017	XD	SWDP2X9GA		0.005	7.9		1.1	2.6	0.11	1.8	6	
10/25/2017	XX	SWXX2X9G5		0.005 U	7.8		1.1	2.6	0.11	1.7	5.8	
4/3/2018	XD	SWDP2XA28	UF	0.005 U	2.5		0.25	1	0.05 U	0.4	3.5	
4/3/2018	XX	SWXX2XA23	UF	0.005 U	2.4		0.25	1	0.05 U	0.4	3.7	
7/17/2018	XX	SWXX2XAB5	UF	0.006	10		3.1	2.9	0.34	0.4	4	
10/2/2018	XD	SWDP2XB08	UF	0.005 U	9		0.65	3.3	0.05 U	0.6	6.3	
10/2/2018	XX	SWXX2XB03	UF	0.005 U	9.2		1	3.3	0.05 U	0.6	6.3	
4/23/2019	XD	SWDP2XB54	UF	0.005 U	4.5		0.5	1.8	0.05 U	1.4	8.7	
4/23/2019	XX	SWXX2XB4J	UF	0.005 U	4.8		0.48	1.8	0.05 U	1.4	8.4	
7/16/2019	XD	SWDP2XBBH	UF	0.005	6.1		1.7	2.4	0.29	0.3	7.9	
7/16/2019	XX	SWXX2XBBC	UF	0.005 U	5.9		1.7	2.3	0.33	0.3 U	7.5	
10/29/2019	XD	SWDP2XBHA	UF	0.005 U	4.8		0.28	1.9	0.05 U	0.3 U	4.5	
10/29/2019	XX	SWXX2XBH5	UF	0.005 U	4.9		0.29	1.9	0.05 U	0.3 U	4.6	
4/28/2020	XD	SWDP2XCCH	UF	0.005 U	4.7		0.14	2	0.05 U	0.3	5.4	
4/28/2020	XX	SWXX2XCCC	UF	0.005 U	4.7		0.11	1.9	0.05 U	0.3	5.2	
7/21/2020	XD	SWDP2XCHA	UF	0.005 U	6.8		1.1	2.6	0.05	0.5	5.5	
7/21/2020	XX	SWXX2XCH5	UF	0.005 U	7.3		1.2	2.7	0.08	0.5	5.4	
10/27/2020	XD	SWDP2XD2E	UF	0.005 U	6.5		0.56	2.5	0.05 U	0.5	5.3	
10/27/2020	XX	SWXX2XD29	UF	0.005 U	6.6		0.54	2.6	0.05 U	0.4	5.4	
4/6/2021	XD	SWDP2XDBG	UF	0.005 U	4.5		0.21	1.8	0.05 U	0.6	5.5	
4/6/2021	XX	SWXX2XDBB	UF	0.005 U	4.6		0.23	1.8	0.05 U	0.6	5.6	
7/13/2021	XD	SWDP2XDJ8	UF	0.005 U	6.9		1.7	2.2	0.18	0.8	3.5	
7/13/2021	XX	SWXX2XDJ3	UF	0.005	7.7		1.8	2.5	0.2	0.9	4	
10/5/2021	XD	SWDP2XE5G	UF	0.007	6.1		0.48	2	0.05 U	0.3 U	4.7	
10/5/2021	XX	SWXX2XE5B	UF	0.005 U	5.8		0.5	1.9	0.05 U	0.3 U	4.6	
4/26/2022	XD	SWDP2XF08	UF	0.005 U	5.1		0.21	2.1	0.05 U	1.4	6.6	
4/26/2022	XX	SWXX2XF03	UF	0.005 U	5.2		0.2	2.1	0.05 U	1.2	6.1	
7/19/2022	XD	SWDP2XF86	UF	0.005 U	6.2		0.57	2.2	0.05 U	0.3 U	4.9	
7/19/2022	XX	SWXX2XF81	UF	0.005 U	6.3		0.58	2.3	0.05 U	0.3 U	5.1	
10/4/2022	XD	SWDP2XFI7	UF	0.005 U	7.2		0.65	2.3	0.05 U	0.3 U	4.2	

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(SW-2)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/4/2022	XX	SWXX2XFI2	UF	0.005 U	6.8		0.62	2.2	0.05 U	0.3 U	4.2	
4/18/2023	XD	SWDP2XGHI	UF	0.005 U	5.3		0.27	2.1	0.05 U	0.63	6.6	
4/18/2023	XX	SWXX2XGHD	UF	0.005 U	5.6		0.25	2.1	0.05 U	0.64	6.6	
7/11/2023	XD	SWDP2XH80	UF	0.005 U	8.6		3.3	2.6	0.47	0.65	7.1	
7/11/2023	XX	SWXX2XH7F	UF	0.005 U	8.5		3.3	2.7	0.47	0.65	7.1	
10/3/2023	XD	SWDP2X058	UF	0.005 U	6.6		1	2.2	0.07	0.3 U	5.2	
10/3/2023	XX	SWXX2X053	UF	0.005 U	6.7		1.1	2.1	0.08	0.3 U	5.1	
4/2/2024	XD	SWDP2X11I	UF	0.005 U	4.7		0.49	1.7	0.1 U	0.64	4.9	
4/2/2024	XX	SWXX2X11D	UF	0.005 U	3.7		0.32	1.5	0.05 U	0.56	4.5	
7/16/2024	XD	SWDP2X1D0	UF	0.005 U	9.5		2	2.9	0.15	0.3 U	5.2	
7/16/2024	XX	SWXX2X1CF	UF	0.005 U	10		2.6	3.1	0.17	0.3 U	5.2	
10/8/2024	XD	SWDP2X1IB	UF	0.005 U	5.4		0.67	2.1	0.05 U	0.3	3.6	
10/8/2024	XX	SWXX2X1I6	UF	0.005 U	6.4		0.93	2.4	0.052	0.31	4.4	

SW-3

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
4/28/2015	XX	SWXX3X787		0.005	5		0.19	1.5	0.05 U	0.5	6.8	
7/14/2015	XX	SWXX3X7BJ		0.005 U	8.1		0.84	2.2	0.43	0.5	4.3	
7/14/2015	XD	SWDP2X7C3		0.005 U	8.2		0.91	2.2	0.45	0.4	4.3	
10/27/2015	XX	SWXX3X7H8		0.005 U	6.2		0.21	1.9	0.05 U	0.4	4	
4/5/2016	XX	SWXX3X85I		0.005 U	5.5		0.21	1.6	0.05 U	0.4	5.6	
7/26/2016	XD	SWDP2X8AC		0.005	11.2		1.05	2.7	0.44	0.3 U	4	
7/26/2016	XX	SWXX3X8A8		0.005 U	11.2		1.06	2.8	0.44	0.3 U	4.2	
10/25/2016	XX	SWXX3X8I7		0.005 U	10.4		0.6	2.3	0.09	1	4.1	
4/18/2017	XX	SWXX3X96D		0.006	3.4		0.2	1.1	0.05 U	0.4	4.2	
7/25/2017	XD	SWDP2X9CF		0.005 U	12		1.5	3.3	0.81	0.3 U	6.9	
7/25/2017	XX	SWXX3X9CB		0.005 U	12		1.2	3.1	0.63	0.3 U	6.7	
10/25/2017	XX	SWXX3X9G6		0.008	9.7		0.6	2.4	0.28	2.4	11	
4/3/2018	XX	SWXX3XA24	UF	0.005	3.8		0.19	1.4	0.05 U	0.4	7.2	
7/17/2018	XD	SWDP2XABA	UF	0.007	13		3.3	2.7	1.2	0.5	7.3	
7/17/2018	XX	SWXX3XAB6	UF	0.005	12		2.7	2.6	1	0.4	6.2	
10/2/2018	XX	SWXX3XB04	UF	0.005 U	11		0.28	2.3	0.05 U	0.6	4	
4/23/2019	XX	SWXX3XB50	UF	0.005 U	4.4		0.3	1.2	0.05 U	0.8	6.1	
7/16/2019	XX	SWXX3XBBD	UF	0.005 U	8.3		2.1	2.2	0.51	1.1	4.8	
10/29/2019	XX	SWXX3XBH6	UF	0.005 U	4.8		0.46	1.3	0.05 U	0.4	3.1	
4/28/2020	XX	SWXX3XCCD	UF	0.005 U	4.3		0.3	1.2	0.06	0.5	6.4	
7/21/2020	XX	SWXX3XCH6	UF	0.005 U	8.6		1.4	2.6	0.48	1	7.2	
10/27/2020	XX	SWXX3XD2A	UF	0.005 U	7.4		0.53	2.1	0.06	1.2	5	
4/6/2021	XX	SWXX3XDBC	UF	0.005 U	3.4		0.3	1	0.05 U	0.5	4.2	
7/13/2021	XX	SWXX3XDJ4	UF	0.005 U	7.2		1.4	1.8	0.08	1.1	3.7	
10/5/2021	XX	SWXX3XE5C	UF	0.005	6.8		1.5	1.7	0.09	0.9	3.6	
4/26/2022	XX	SWXX3XF04	UF	0.005 U	5		0.3	1.4	0.05 U	2.2	8.3	
7/19/2022	XX	SWXX3XF82	UF	0.005 U	9		1.8	2.2	0.28	0.83	12	
10/4/2022	XX	SWXX3XFI3	UF	0.005 U	9.4		0.52	2.3	0.05 U	1.5	4.5	
4/18/2023	XX	SWXX3XGHE	UF	0.005 U	5		0.55	1.3	0.14	0.51	7.8	
7/11/2023	XX	SWXX3XH7G	UF	0.005 U	9		2.2	2.4	0.23	0.89	4	
10/3/2023	XX	SWXX3X054	UF	0.005 U	8.4		1.5	2.2	0.57	1.1	5.3	
4/2/2024	XX	SWXX3X11E	UF	0.005 U	2.4		0.41	0.7	0.05 U	0.43	3.2	
7/16/2024	XX	SWXX3X1CG	UF	0.005 U	11		1.5	2.7	0.17	0.54	3.9	
10/8/2024	XX	SWXX3X1I7	UF	0.005 U	7.6		1.5	2.1	0.26	0.64	3.3	

(SW23-4)

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW23-4												
1/24/2023	XX	SWXX4XGBH		A	A	A	A	A	A	A	A	A
3/30/2023	XX	SWXX4XGH4	UF	0.005 U	7.6	0.0008	0.45	2	0.05 U	0.77	6.5	0.05 U
4/19/2023	XX	GWXXXXH23	UF	0.005 U	11	0.003 U	0.82	2.9	0.05 U	1.1	7.7	0.05 U
6/19/2023	XX	SWXX4XH5I	UF	0.005 U	10	0.0027	0.84	2.2	0.05 U	0.72	4.4	0.05 U
7/13/2023	XX	SWXX4X022	UF	0.01	21	0.003 U	0.57	4.6	0.15	1.2	5.5	0.05 U
10/4/2023	XX	GWXXXX095	UF	0.005 U	13	0.003 U	0.63	3.6	0.05 U	1.1	4.5	0.05 U
4/2/2024	XX	GWXXXX15C	UF	0.005 U	3.5		0.98	0.97	0.05 U	0.79	2.5	
7/16/2024	XX	SWXX4X1H0	UF	0.005 U	13	0.0055	1.1	3.2	0.13	2	2.4	0.31
10/9/2024	XX	SWXXXX225	UF	0.005 U	9.9		0.69	2.5	0.12	1.3	2.9	
SW-DP1												
4/28/2015	XX	SWDP1X78D		0.008	13		0.23	1.4	0.08	1.1	3.2	
7/14/2015	XX	SWDP1X7C5		0.005	14.4		0.23	1.7	0.08	0.3 U	1.7	
10/27/2015	XX	SWDP1X7HE		0.005 U	8.4		0.12	1.1	0.05 U	1.3	1.6	
4/5/2016	XX	SWDP1X864		0.005 U	12		0.53	1.7	0.05	1.2	2.4	
7/26/2016	XX	SWDP1X8AE		0.013	17.1		0.29	2	0.08	1.4	2.1	
10/25/2016	XX	SWDP1X8ID		0.005 U	11.6		0.7	1.1	0.06	1.3	1.3	
4/18/2017	XX	SWDP1X96J		0.005	8.5		0.35	1.7	0.06	1	1.8	
7/25/2017	XX	SWDP1X9CH		0.005 U	19		1	3.7	0.17	0.8	3.4	
10/23/2017	XX	SWDP1X9GC		0.005	15		0.48	2.6	0.09	1.9	2.4	
4/3/2018	XX	SWDP1XA2B	UF	0.005 U	3.8		0.17	0.4	0.05 U	0.6	0.8	
7/17/2018	XX	SWDP1XABC	UF	0.007	13		0.9	1.6	0.08	0.3 U	0.8	
10/2/2018	XX	SWDP1XB0A	UF	0.005 U	10		0.41	1.1	0.05	1.6	1.1	
4/23/2019	XX	SWDP1XB57	UF	0.005 U	14		0.28	1.1	0.06	1.1	1.6	
7/16/2019	XX	SWDP1XBBJ	UF	0.005	12		0.29	1.1	0.05	0.4	1.2	
10/29/2019	XX	SWDP1XBHC	UF	0.005 U	15		1.4	1.7	0.14	2.1	1.6	
4/28/2020	XX	SWDP1XCCJ	UF	0.005 U	24		0.39	4	0.11	12	27	
7/21/2020	XX	SWDP1XCHC	UF	0.005 U	31		0.78	3.4	0.69	2.9	8.8	
10/27/2020	XX	SWDP1XD2G	UF	0.005 U	23		1.5	2.2	0.32	5.3	3.2	
4/6/2021	XX	SWDP1XDBI	UF	0.005	9.9		3.5	1.7	0.15	1.3	1.4	
7/13/2021	XX	SWDP1XDJA	UF	0.008	13		6.4	2.3	0.36	2.6	1.8	
10/5/2021	XX	SWDP1XE5I	UF	0.005 U	15		0.88	1.5	0.13	1.6	1.3	
4/26/2022	XX	SWDP1XF0A	UF	0.005 U	21		1.1	1.7	0.21	2	3.9	
7/19/2022	XX	SWDP1XF88	UF	0.005	31		1.8	2.7	0.48	3.6	4.5	
10/4/2022	XX	SWDP1XFI9	UF	0.005 U	27		0.88	2.5	0.1	2.6	2.5	
4/18/2023	XX	SWDP1XGI0	UF	0.005 U	7.7		0.98	1	0.061	1.2	1.1	
7/11/2023	XX	SWDP1XH82	UF	0.0096	12		8.5	4	0.38	2.3	1.6	
10/3/2023	XX	SWDP1X05A	UF	0.005 U	8.7		0.14	1.3	0.05 U	0.48	1.6	
4/2/2024	XX	SWDP1X120	UF	0.005 U	12		0.39	0.94	0.18	0.97	1.7	
7/16/2024	XX	SWDP1X1D2	UF	0.005 U	20		0.65	1.9	0.14	2.5	1.5	
10/8/2024	XX	SWDP1X1ID	UF	0.005 U	13		0.53	1.4	0.066	2.4	0.96	
SW-DP6												
4/28/2015	XX	SWDP6X78E		0.006	11.1		0.7	1.1	0.05 U	1.5	2.8	
7/14/2015	XX	SWDP6X7C6		0.005 U	12.4		2.46	2.4	0.46	2.3	2.7	
10/27/2015	XX	SWDP6X7HF		0.005 U	8.4		0.19	1.4	0.05 U	1.3	1.5	
4/5/2016	XX	SWDP6X865		0.005 U	8.2		0.57	1	0.05 U	1.1	2.8	
7/26/2016	XX	SWDP6X8AF		0.009	18.5		0.6	1.7	0.08	1.6	2	

(SW-DP6)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L	Boron mg/L
10/25/2016	XX	SWDP6X8IE		0.005 U	14.6		1.85	1.5	0.09	1.9	1.6	
4/18/2017	XX	SWDP6X970		0.005 U	5.3		0.64	0.8	0.11	1	3.5	
7/25/2017	XX	SWDP6X9CI		0.005 U	8.5		1.4	1.5	0.05 U	0.7	5.1	
10/23/2017	XX	SWDP6X9GD		0.005 U	10		0.26	1.4	0.05 U	1.3	4.3	
4/3/2018	XX	SWDP6XA2C	UF	0.005 U	7.9		0.47	1.1	0.16	0.9	2.2	
7/17/2018	XX	SWDP6XABD	UF	0.005	15		0.5	1.5	0.1	1.3	4.3	
10/2/2018	XX	SWDP6XB0B	UF	0.005 U	16		0.23	1.7	0.05 U	1.5	3.5	
4/23/2019	XX	SWDP6XB58	UF	0.005	8.1		1.3	1.2	0.1	1.6	3.5	
7/16/2019	XX	SWDP6XBC0	UF	0.005	6.6		1.6	1.1	0.05 U	1.5	2.8	
10/29/2019	XX	SWDP6XBHD	UF	0.005 U	4.6		0.38	0.7	0.05 U	0.9	1.3	
4/28/2020	XX	SWDP6XCD0	UF	0.005 U	4.6		0.4	0.7	0.05 U	0.8	2.6	
7/21/2020	XX	SWDP6XCHD	UF	0.005 U	7.8		0.73	1.1	0.2	1.4	2.4	
10/27/2020	XX	SWDP6XD2H	UF	0.005 U	10		0.9	1.4	0.09	1.9	1.6	
4/6/2021	XX	SWDP6XDBJ	UF	0.005 U	3.9		0.89	0.7	0.05 U	1.1	1.3	
7/13/2021	XX	SWDP6XDJB	UF	0.005 U	4.5		1.6	0.9	0.19	1.7	1.1	
10/5/2021	XX	SWDP6XE5J	UF	0.005 U	7.1		0.55	1	0.05 U	2.2	3.3	
4/26/2022	XX	SWDP6XF0B	UF	0.005 U	3.8		0.49	0.7	0.05 U	1.7	2.3	
7/19/2022	XX	SWDP6XF89	UF	0.005 U	6.8		2.3	1.5	0.35	1.9	1.3	
10/4/2022	XX	SWDP6XFIA	UF	0.005 U	6.6		2.1	1.1	0.09	1.5	1.3	
4/18/2023	XX	SWDP6XGI1	UF	0.005 U	7.8		0.42	1.1	0.13	1.1	2	
7/11/2023	XX	SWDP6XH83	UF	0.005 U	74		0.26	8.6	0.05 U	1.3	9.4	
10/3/2023	XX	SWDP6X05B	UF	0.005 U	14		0.68	2.8	0.26	1.8	3.2	
4/2/2024	XX	SWDP6X121	UF	0.005 U	11		4.9	2.8	0.13	2.4	2.4	
7/16/2024	XX	SWDP6X1D3	UF	0.005 U	20		16	5.3	0.33	4.7	2.4	
10/9/2024	XX	SWDP6X1IE		D	D		D	D	D	D	D	

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-DP6)

Date	Type	Sample ID	Filtration	Arsenic	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Boron
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L

Units Abbreviations:

- \-

mg/L - MILLIGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

! - The sampling location was damaged or destroyed.
A - The sampling location was inaccessible.
D - The sampling location was dry.
F - The sampling location was frozen.
F16 - Could not pump water to surface for testing/sampling
F6 - No flow. Sample not taken.
H8 - No flow from pipe. See LF-COMP for readings
I - The sampling location yielded insufficient quantity to collect a sample.
U - Not Detected above the laboratory reporting limit.

Sample collection notes:

FILT - One or more analytical parameters were field filtered.
UF - No analytical parameters were field filtered.

DATA SUMMARY TABLE

Methane

SME SEVEE & MAHER ENGINEERS

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-LD-11)

Date	Type	Sample ID	Methane ug/L
LF-LD-11			
7/13/2021	XX	LFXXXXE1C	59
10/5/2021	XX	LFXXXXE88	25
7/19/2022	XX	LFXXXXFA9	20 U
7/11/2023	XX	LFXXXX005	20 U
7/16/2024	XX	LFXXXX1F4	5.2 U
LF-LD-12			
7/13/2021	XX	LFXXXXE1D	170
10/5/2021	XX	LFXXXXE89	48
7/19/2022	XX	LFXXXXFAA	240
7/11/2023	XX	LFXXXX006	240
7/16/2024	XX	LFXXXX1F5	270
LF-LD-13			
7/19/2022	XX	LFXXXXFB4	53
7/11/2023	XX	LFXXXX010	39
7/17/2024	XX	LFXXXX1H7	300
LF-LD-14			
7/11/2023	XX	LFXXXX01G	79
7/16/2024	XX	LFXXXX1GE	
7/16/2024	XX	LFXXXX1GED	600
LF-LD-15			
7/16/2024	XX	LFXXXX1H2	
7/16/2024	XX	LFXXXX1H2D	570
10/8/2024	XX	LFXXXX227	1400
LF-UD-12+13+14			
7/11/2023	XX	LFXXXX01F	20 U
7/16/2024	XX	LFXXXX1GD	D
MW-04-09A			
7/15/2021	XX	GWXXXXE20	20 U
10/7/2021	XX	GWX09AE86	20 U
4/27/2022	XX	GWX09AF2C	20 U
7/20/2022	XX	GWXXXXFAF	20 U
10/5/2022	XX	GWX09AG0B	20 U
4/19/2023	XX	GWX09AH02	20 U
7/12/2023	XX	GWXXXX00B	20 U
10/4/2023	XX	GWX09A077	20 U
4/10/2024	XX	GWX09A13G	6.6
7/17/2024	XX	GWXXXX1FA	5.2 U
10/9/2024	XX	GWX09A209	5.2 U
MW-04-09B			
7/15/2021	XX	GWXXXXE21	20 U
10/7/2021	XD	GWDP5XE8E	20 U
10/7/2021	XX	GWX09BE87	20 U
4/27/2022	XD	GWDP5XF30	20 U

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(MW-04-09B)

Date	Type	Sample ID	Methane ug/L
4/27/2022	XX	GWX09BF2D	20 U
7/20/2022	XX	GWXXXXFAG	20 U
10/5/2022	XD	GWDP5XG0J	20 U
10/5/2022	XX	GWX09BG0C	20 U
4/19/2023	XX	GWX09BH03	20 U
7/12/2023	XX	GWXXXX00C	20 U
10/4/2023	XX	GWX09B078	20 U
4/10/2024	XX	GWX09B13H	5.2 U
7/17/2024	XX	GWXXXX1FB	5.2 U
10/9/2024	XX	GWX09B20A	5.2 U

MW06-01

Date	Type	Sample ID	Methane ug/L
4/7/2021	XX	GWXXXXDDI	20 U
7/20/2022	XX	GWXXXXFA7	62
7/12/2023	XX	GWXXXX003	110
10/4/2023	XX	GWXXXX06J	230
4/10/2024	XX	GWXXXX138	
4/10/2024	XX	GWXXXX138D	2100
7/17/2024	XX	GWXXXX1F2	340
10/9/2024	XX	GWXXXX201	270

MW-08-01

Date	Type	Sample ID	Methane ug/L
2/9/2021	XX	GWXXXXDA0	20 U
4/7/2021	XX	GWXXXXDAJ	20 U
6/9/2021	XX	GWXXXXDH2	20 U
8/19/2021	XX	GWXXXXE4G	20 U
10/4/2021	XX	GWXXXXE9B	20 U
4/27/2022	XX	GWXXXXF3G	20 U
7/21/2022	XX	GWXXXXFBD	20 U
10/5/2022	XX	GWXXXXG1F	20 U
4/17/2023	XX	GWXXXXH16	20 U
7/13/2023	XX	GWXXXX019	20 U
10/5/2023	XX	GWXXXX08B	20 U
4/11/2024	XX	GWXXXX150	5.2 U
7/17/2024	XX	GWXXXX1G8	5.2 U
10/10/2024	XX	GWXXXX21D	5.2 U

MW-206

Date	Type	Sample ID	Methane ug/L
7/14/2021	XX	GW206XDIG	20 U
10/4/2021	XX	GWXXXXE8D	20 U
4/25/2022	XX	GWXXXXF2J	20 U
7/18/2022	XX	GW206XF7E	20 U
10/3/2022	XX	GWXXXXG0I	20 U
4/17/2023	XX	GWXXXXH09	20 U
7/10/2023	XX	GW206XH78	20 U
10/2/2023	XX	GWXXXX07E	20 U
4/1/2024	XX	GWXXXX143	5.2 U
7/15/2024	XX	GW206X1C8	5.2 U
10/7/2024	XX	GWXXXX20G	5.2 U

MW-223B

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-223B)

Date	Type	Sample ID	Methane ug/L
4/28/2015	XX	GW223B798	20 U
7/14/2015	XX	GW223B7D0	20 U
10/27/2015	XX	GW223B7I9	20 U
4/5/2016	XX	GW223B86J	20 U
4/18/2017	XX	GW223B97E	20 U
4/3/2018	XX	GW223BA36	20 U
4/23/2019	XX	GW223BB62	20 U
7/16/2019	XX	GW223BBCD	20 U
10/29/2019	XX	GW223BBI6	20 U
4/28/2020	XX	GW223BCDD	20 U
7/21/2020	XX	GW223BCI6	20 U
10/27/2020	XX	GW223BD3A	20 U
4/6/2021	XX	GW223BDCC	20 U
7/13/2021	XX	GW223BE04	20 U
10/5/2021	XX	GW223BE6C	20 U
4/26/2022	XX	GW223BF14	20 U
7/19/2022	XX	GW223BF92	20 U
10/4/2022	XX	GW223BFJ3	20 U
4/18/2023	XX	GW223BGIE	20 U
4/2/2024	XX	GW223B12D	19
10/8/2024	XX	GW223B1J6	69

MW-501

Date	Type	Sample ID	Methane ug/L
4/7/2021	XX	GW501XDDH	20 U
7/14/2021	XX	GW501XE18	20 U
10/6/2021	XX	GW501XE8A	20 U
4/27/2022	XX	GW501XF2G	20 U
7/20/2022	XX	GW501XFA6	20 U
10/5/2022	XX	GW501XG0F	20 U
4/19/2023	XX	GW501XH06	20 U
7/12/2023	XX	GW501X002	20 U
10/4/2023	XX	GW501X07B	20 U
4/10/2024	XX	GW501X140	5.4
7/17/2024	XX	GW501X1EJ	5.2 U
10/9/2024	XX	GW501X20D	5.2 U

MW-502

Date	Type	Sample ID	Methane ug/L
7/14/2021	XX	GW502XE23	190
10/7/2021	XX	GW502XE8B	37
4/27/2022	XX	GW502XF2H	20 U
7/20/2022	XX	GW502XFAI	20 U
10/5/2022	XX	GW502XG0G	20 U
4/19/2023	XX	GW502XH07	20 U
7/12/2023	XX	GW502X00E	20 U
10/4/2023	XX	GW502X07C	20 U
4/10/2024	XX	GW502X141	5.2 U
7/18/2024	XX	GW502X1FD	5.2 U
10/9/2024	XX	GW502X20E	5.2 U

MW-503

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-503)

Date	Type	Sample ID	Methane ug/L
2/9/2021	XX	GW503XD9A	20 U
4/8/2021	XX	GW503XDA9	20 U
6/8/2021	XX	GW503XDGC	20 U
8/19/2021	XX	GW503XE46	20 U
10/7/2021	XX	GW503XE96	20 U
4/27/2022	XX	GW503XF3B	20 U
7/20/2022	XX	GW503XFB5	20 U
10/5/2022	XX	GW503XG1A	20 U
4/20/2023	XX	GW503XH11	20 U
7/13/2023	XX	GW503X011	20 U
10/4/2023	XX	GW503X086	20 U
4/10/2024	XX	GW503X14F	5.2 U
7/18/2024	XX	GW503X1G0	5.2 U
10/9/2024	XX	GW503X218	5.2 U

MW-504

Date	Type	Sample ID	Methane ug/L
2/9/2021	XD	GWDP1XD94	20 U
2/9/2021	XX	GW504XD9B	20 U
4/7/2021	XX	GW504XDAA	20 U
6/9/2021	XD	GWDP1XDG9	20 U
6/9/2021	XX	GW504XDGD	20 U
8/19/2021	XX	GW504XE47	20 U
10/7/2021	XD	GWDP6XE9A	20 U
10/7/2021	XX	GW504XE97	20 U
4/27/2022	XD	GWDP6XF3F	20 U
4/27/2022	XX	GW504XF3C	20 U
7/21/2022	XX	GW504XFB6	!
10/5/2022	XD	GWDP6XG1E	20 U
10/5/2022	XX	GW504XG1B	20 U
4/20/2023	XD	GWDP6XH15	20 U
4/20/2023	XX	GW504XH12	20 U
7/13/2023	XX	GW504X012	20 U
10/5/2023	XD	GWDP6X08A	20 U
10/5/2023	XX	GW504X087	20 U
4/11/2024	XX	GW504X14G	5.2 U
7/18/2024	XX	GW504X1G1	5.2 U
10/10/2024	XD	GWDP6X21C	5.2 U
10/10/2024	XX	GW504X219	5.2 U

MW-505

Date	Type	Sample ID	Methane ug/L
2/10/2021	XX	GW505XD9C	20 U
4/8/2021	XX	GW505XDAB	20 U
6/9/2021	XX	GW505XDGE	20 U
8/18/2021	XX	GW505XE48	20 U
10/7/2021	XX	GW505XE98	20 U
4/27/2022	XX	GW505XF3D	20 U
7/21/2022	XX	GW505XFB7	20 U
10/5/2022	XX	GW505XG1C	20 U
4/20/2023	XX	GW505XH13	20 U
7/13/2023	XX	GW505X013	20 U

SME SEVEE & MAHER ENGINEERS

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-505)

Date	Type	Sample ID	Methane ug/L
10/4/2023	XX	GW505X088	20 U
4/11/2024	XX	GW505X14H	5.2 U
7/18/2024	XX	GW505X1G2	5.2 U
10/9/2024	XX	GW505X21A	5.2 U

MW-506

Date	Type	Sample ID	Methane ug/L
2/18/2021	XX	GW506XD9D	20 U
4/8/2021	XX	GW506XDAC	20 U
6/8/2021	XX	GW506XDGF	F16
7/14/2021	XX	GW506XE38	20 U
9/1/2021	XX	GW506XE49	20 U
10/7/2021	XX	GW506XE99	20 U
4/27/2022	XX	GW506XF3E	20 U
7/18/2022	XX	GW506XFB8	20 U
10/5/2022	XX	GW506XG1D	20 U
4/18/2023	XX	GW506XH14	20 U
7/11/2023	XX	GW506X014	20 U
10/4/2023	XX	GW506X089	20 U
4/10/2024	XX	GW506X14I	!
7/17/2024	XX	GW506X1G3	!

MW-507

Date	Type	Sample ID	Methane ug/L
7/14/2021	XX	GW507XE24	20 U
10/7/2021	XX	GW507XE8C	20 U
4/27/2022	XX	GW507XF2I	20 U
7/20/2022	XX	GW507XFAJ	20 U
10/5/2022	XX	GW507XG0H	20 U
4/19/2023	XX	GW507XH08	20 U
7/13/2023	XX	GW507X00F	20 U
10/5/2023	XX	GW507X07D	20 U
4/10/2024	XX	GW507X142	5.2 U
7/17/2024	XX	GW507X1FE	5.2 U
10/8/2024	XX	GW507X20F	35

MW-508

Date	Type	Sample ID	Methane ug/L
10/5/2022	XX	GW508XG2E	20 U
1/24/2023	XX	GW508XGBF	F
3/30/2023	XX	GW508XGH2	20 U
4/19/2023	XX	GW508XH1H	20 U
6/19/2023	XX	GW508XH5H	20 U
7/13/2023	XX	GW508X01I	20 U
10/4/2023	XD	GWDP5X07F	20 U
10/4/2023	XX	GW508X090	20 U
4/10/2024	XD	GWDP5X144	5.2 U
4/10/2024	XX	GW508X157	5.2 U
7/17/2024	XX	GW508X1GG	5.2 U
10/10/2024	XD	GWDP5X20H	5.2 U
10/10/2024	XX	GW508X220	5.2 U

OW-06-03

Date	Type	Sample ID	Methane ug/L
7/14/2021	XX	GWXXXXE17	2900

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(OW-06-03)

Date	Type	Sample ID	Methane ug/L
7/20/2022	XX	GWXXXXFA5	I
7/12/2023	XX	GWXXXX001	D
7/18/2024	XX	GWXXXX1EI	I

OW-601A

Date	Type	Sample ID	Methane ug/L
7/12/2021	XX	GW601ADIH	20 U
7/21/2022	XX	GW601AF7F	20 U
7/12/2023	XX	GW601AH79	20 U
7/18/2024	XX	GW601A1C9	5.2 U

OW-601B

Date	Type	Sample ID	Methane ug/L
7/12/2021	XD	GWDP4XDJI	20 U
7/12/2021	XX	GW601BE13	20 U
7/21/2022	XD	GWDP4XF8G	20 U
7/21/2022	XX	GW601BFA1	20 U
7/12/2023	XD	GWDP4XH8A	20 U
7/12/2023	XX	GW601BH9F	20 U
7/18/2024	XD	GWDP4X1DA	5.2 U
7/18/2024	XX	GW601B1ED	5.2 U

OW-602A

Date	Type	Sample ID	Methane ug/L
7/12/2021	XX	GW602AE14	41
7/21/2022	XX	GW602AFA2	20 U
7/12/2023	XX	GW602AH9G	130
7/18/2024	XX	GW602A1EE	140

OW-603B

Date	Type	Sample ID	Methane ug/L
7/13/2021	XX	GW603BE15	D
10/6/2021	XX	GW603BE7J	D
7/21/2022	XX	GW603BFA3	D
7/12/2023	XX	GW603BH9H	I
4/2/2024	XX	GW603B13D	D
7/18/2024	XX	GW603B1EF	D

OW-604A

Date	Type	Sample ID	Methane ug/L
7/14/2021	XX	GW604AE16	20 U
7/21/2022	XX	GW604AFA4	20 U
7/12/2023	XX	GW604AH9I	20 U
7/18/2024	XX	GW604A1EG	5.2 U

OW-605A

Date	Type	Sample ID	Methane ug/L
7/14/2021	XD	GWDP6XE1J	20 U
7/14/2021	XX	GW605AE25	20 U
10/7/2021	XX	GW605AE8G	20 U
7/21/2022	XD	GWDP6XFAE	480
7/21/2022	XX	GW605AFB0	430
7/12/2023	XD	GWDP7X00A	20 U
7/12/2023	XX	GW605A00G	20 U
7/18/2024	XD	GWDP7X1F9	5.2 U
7/18/2024	XX	GW605A1FF	5.2 U

OW-606A

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(OW-606A)

Date	Type	Sample ID	Methane ug/L
7/14/2021	XX	GW606AE06	20 U
10/7/2021	XX	GW606AE8H	20 U
7/20/2022	XX	GW606AF94	20 U
7/12/2023	XX	GW606AH8I	20 U
7/17/2024	XX	GW606A1DH	5.2 U

OW-606B

Date	Type	Sample ID	Methane ug/L
2/9/2021	XX	GW606BD9E	F
4/8/2021	XX	GW606BDAD	20 U
6/8/2021	XX	GW606BDGG	20 U
7/14/2021	XX	GW606BE37	20 U
8/18/2021	XX	GW606BE4A	20 U
10/7/2021	XX	GW606BE8I	20 U
7/20/2022	XX	GW606BFB9	20 U
7/12/2023	XX	GW606B015	20 U
7/17/2024	XX	GW606B1G4	5.2 U

OW-607B

Date	Type	Sample ID	Methane ug/L
2/9/2021	XX	GW607BD9F	20 U
4/7/2021	XX	GW607BDAE	20 U
6/9/2021	XX	GW607BDGH	20 U
8/19/2021	XX	GW607BE4B	20 U
10/7/2021	XX	GW607BE8J	20 U
7/20/2022	XX	GW607BFBA	20 U
7/13/2023	XX	GW607B016	20 U
7/18/2024	XX	GW607B1G5	5.2 U

OW-608A

Date	Type	Sample ID	Methane ug/L
7/15/2021	XX	GW608AE26	20 U
10/6/2021	XX	GW608AE90	140
7/20/2022	XX	GW608AFB1	20 U
8/2/2023	XX	GW608A00H	20 U
7/17/2024	XX	GW608A1FG	15

OW-608B

Date	Type	Sample ID	Methane ug/L
2/10/2021	XX	GW608BD9G	20 U
4/8/2021	XD	GWDP1XDA6	20 U
4/8/2021	XX	GW608BDAF	20 U
6/8/2021	XX	GW608BDGI	20 U
8/17/2021	XD	GWDP1XE43	20 U
8/17/2021	XX	GW608BE4C	20 U
10/6/2021	XX	GW608BE91	20 U
7/20/2022	XX	GW608BFBB	20 U
7/13/2023	XX	GW608B017	20 U
7/17/2024	XX	GW608B1G6	5.2 U

OW-609B

Date	Type	Sample ID	Methane ug/L
2/10/2021	XX	GW609BD9H	20 U
4/8/2021	XX	GW609BDAG	20 U
6/8/2021	XX	GW609BDGJ	20 U
8/17/2021	XX	GW609BE4D	20 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(OW-609B)

Date	Type	Sample ID	Methane ug/L
10/7/2021	XX	GW609BE92	20 U
7/18/2022	XX	GW609BFBC	20 U
7/11/2023	XX	GW609B018	20 U
7/17/2024	XX	GW609B1G7	5.2 U

OW-610A

Date	Type	Sample ID	Methane ug/L
10/5/2022	XX	GW610AG2F	250
1/24/2023	XX	GW610AGBG	300
4/19/2023	XX	GW610AH1I	170
6/19/2023	XX	GW610AH61	140
7/13/2023	XX	GW610A01H	150
7/17/2024	XX	GW610A1GF	
7/17/2024	XX	GW610A1GFD	1500

OW-611A

Date	Type	Sample ID	Methane ug/L
7/14/2021	XX	GW611AE27	20 U
10/7/2021	XX	GW611AE93	20 U
7/20/2022	XX	GW611AFB2	20 U
7/13/2023	XX	GW611A00I	20 U
7/17/2024	XX	GW611A1FH	5.2 U

P-04-07A

Date	Type	Sample ID	Methane ug/L
10/3/2022	XX	GWXXXXG2G	20 U
1/24/2023	XX	GWX07AGBD	F
3/30/2023	XD	GWDP1XGGJ	20 U
3/30/2023	XX	GWX07AGH0	20 U
4/19/2023	XD	GWDP5XH0A	20 U
4/19/2023	XX	GWXXXXH1J	20 U
6/19/2023	XD	GWDP1XH5E	20 U
6/19/2023	XX	GWX07AH5F	20 U
7/13/2023	XD	GWDP6X021	20 U
7/13/2023	XX	GWX07A01J	20 U
7/17/2024	XD	GWDP6X1GJ	5.2 U
7/17/2024	XX	GWX07A1GH	5.2 U

P-04-07B

Date	Type	Sample ID	Methane ug/L
10/3/2022	XX	GWXXXXG2H	20 U
1/24/2023	XX	GWX07BGBE	F
3/30/2023	XX	GWX07BGH1	20 U
4/19/2023	XX	GWXXXXH20	20 U
6/19/2023	XX	GWX07BH5G	20 U
7/13/2023	XX	GWX07B020	20 U
7/17/2024	XX	GWX07B1GI	5.2 U

P-04-11A

Date	Type	Sample ID	Methane ug/L
2/10/2021	XX	GWXXXXD9I	20 U
4/8/2021	XX	GWXXXXDAH	20 U
6/9/2021	XX	GWXXXXDH0	20 U
8/18/2021	XX	GWXXXXE4E	20 U
10/6/2021	XX	GWX11AE94	20 U
4/27/2022	XX	GWX11AF39	20 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(P-04-11A)

Date	Type	Sample ID	Methane ug/L
7/21/2022	XX	GWXXXXFBE	20 U
7/12/2023	XX	GWXXXX01A	20 U
7/18/2024	XX	GWXXXX1G9	5.2 U

P-04-11B

Date	Type	Sample ID	Methane ug/L
2/10/2021	XX	GWXXXXD9J	20 U
4/8/2021	XX	GWXXXXDAI	20 U
6/9/2021	XX	GWXXXXDH1	20 U
8/18/2021	XX	GWXXXXE4F	20 U
10/6/2021	XX	GWX11BE95	20 U
4/27/2022	XX	GWX11BF3A	20 U
7/21/2022	XX	GWXXXXFBF	D
7/12/2023	XX	GWXXXX01B	20 U
7/18/2024	XX	GWXXXX1GA	5.2 U

P-206A

Date	Type	Sample ID	Methane ug/L
7/14/2021	XX	GW206AE22	20 U
7/18/2022	XX	GW206AFAH	20 U
7/10/2023	XX	GW206A00D	20 U
10/2/2023	XX	GW206A065	20 U
4/1/2024	XX	GW206A12F	5.2 U
7/15/2024	XX	GW206A1FC	5.2 U
10/7/2024	XX	GW206A1J8	5.2 U

PWS10-1

Date	Type	Sample ID	Methane ug/L
4/27/2015	XX	GWPWS1788	830
7/13/2015	XX	GWPWS17C0	4600
10/26/2015	XX	GWPWS17H9	440
4/4/2016	XX	GWPWS185J	770
4/17/2017	XX	GWPWS196E	40
4/2/2018	XX	GWPWS1A25	20 U
4/22/2019	XX	GWPWS1B51	79
7/15/2019	XX	GWPWS1BBE	130
10/28/2019	XX	GWPWS1BH7	20 U
4/27/2020	XX	GWPWS1CCE	270
7/21/2020	XX	GWXXXXIOB	45
10/26/2020	XX	GWPWS1D2B	20 U
4/5/2021	XX	GWPWS1DBD	1600
7/12/2021	XX	GWPWS1DJ5	190
10/4/2021	XX	GWPWS1E5D	700
4/25/2022	XX	GWPWS1F05	1100
7/18/2022	XX	GWPWS1F83	2200
10/3/2022	XX	GWPWS1FI4	240
4/17/2023	XX	GWPWS1GHF	160
7/10/2023	XX	GWPWS1H7H	120
10/2/2023	XX	GWPWS1055	720
4/1/2024	XX	GWPWS111F	7.6
7/15/2024	XX	PWPWS11CH	
7/15/2024	XX	PWPWS11CHD	780
10/7/2024	XX	PWPWS11I8	320

(PWS10-2)

Date	Type	Sample ID	Methane ug/L
PWS10-2			
4/27/2015	XX	GWPWS2789	50
7/13/2015	XX	GWPWS27C1	690
10/26/2015	XX	GWPWS27HA	20 U
4/4/2016	XX	GWPWS2860	140
4/17/2017	XX	GWPWS296F	220
4/2/2018	XX	GWPWS2A26	20 U
4/22/2019	XX	GWPWS2B52	20 U
7/15/2019	XX	GWPWS2BBF	110
10/28/2019	XX	GWPWS2BH8	20 U
4/27/2020	XX	GWPWS2CCF	20 U
7/20/2020	XX	GWPWS2CH8	38
10/26/2020	XX	GWPWS2D2C	300
4/5/2021	XX	GWPWS2DBE	79
7/12/2021	XX	GWPWS2DJ6	95
10/4/2021	XX	GWPWS2E5E	190
4/25/2022	XX	GWPWS2F06	20 U
7/18/2022	XX	GWPWS2F84	4800
10/3/2022	XX	GWPWS2FI5	92
4/17/2023	XX	GWPWS2GHG	20 U
7/10/2023	XX	GWPWS2H7I	100
10/2/2023	XX	GWPWS2056	99
4/1/2024	XX	GWPWS211G	5.2 U
7/15/2024	XX	PWPWS21CI	61
10/7/2024	XX	PWPWS21I9	390
PWS10-3			
4/27/2015	XX	GWPWS378A	20 U
7/13/2015	XX	GWPWS37C2	260
10/26/2015	XX	GWPWS37HB	160
4/4/2016	XX	GWPWS3861	20 U
4/17/2017	XX	GWPWS396G	20 U
4/2/2018	XX	GWPWS3A27	20 U
4/22/2019	XX	GWPWS3B53	20 U
7/15/2019	XX	GWPWS3BBG	280
10/28/2019	XX	GWPWS3BH9	20 U
4/27/2020	XX	GWPWS3CCG	20 U
7/20/2020	XX	GWPWS3CH9	4000
10/26/2020	XX	GWPWS3D2D	44
4/5/2021	XX	GWPWS3DBF	400
7/12/2021	XX	GWPWS3DJ7	140
10/4/2021	XX	GWPWS3E5F	130
4/25/2022	XX	GWPWS3F07	20 U
7/18/2022	XX	GWPWS3F85	1300
10/3/2022	XX	GWPWS3FI6	250
4/17/2023	XX	GWPWS3GHH	20 U
7/10/2023	XX	GWPWS3H7J	220
10/2/2023	XX	GWPWS3057	20 U
4/1/2024	XX	GWPWS311H	21

(PWS10-3)

Date	Type	Sample ID	Methane ug/L
7/15/2024	XX	PWPWS31CJ	500
10/7/2024	XX	PWPWS31IA	210
PWS-4			
1/24/2023	XX	PWXX4XGBI	A
3/30/2023	XX	PWXX4XGH5	20 U
4/19/2023	XX	GWXXXXH22	26
6/19/2023	XX	PWXX4XH5J	62
7/13/2023	XX	PWXX4X023	33
10/4/2023	XX	GWXXXX094	55
4/2/2024	XX	GWXXXX15B	25
7/16/2024	XX	PWXX4X1H1	180
10/9/2024	XX	PWXXXX224	150
SW23-4			
1/24/2023	XX	SWXX4XGBH	A
3/30/2023	XX	SWXX4XGH4	20 U
4/19/2023	XX	GWXXXXH23	20 U
6/19/2023	XX	SWXX4XH5I	20 U
7/13/2023	XX	SWXX4X022	20 U
10/4/2023	XX	GWXXXX095	20 U
7/16/2024	XX	SWXX4X1H0	8.5
QCBT			
2/9/2021	XX	BTXXXXDA2	20 U
2/10/2021	XX	BTXXXXDA3	20 U
2/18/2021	XX	BTXXXXDA4	20 U
4/5/2021	XX	BTXXXXDF8	20 U
4/6/2021	XX	BTXXXXDF9	20 U
4/7/2021	XX	BTXXXXDB0	20 U
4/7/2021	XX	BTXXXXDFA	20 U
4/8/2021	XX	BTXXXXDB1	20 U
6/8/2021	XX	BTXXXXDH3	20 U
6/9/2021	XX	BTXXXXDH4	20 U
7/12/2021	XX	BTXXXXE1G	20 U
7/13/2021	XX	BTXXXXE1H	20 U
7/14/2021	XX	BTXXXXE1E	20 U
7/14/2021	XX	BTXXXXE1I	20 U
7/14/2021	XX	BTXXXXE28	20 U
8/17/2021	XX	BTXXXXE4J	20 U
8/18/2021	XX	BTXXXXE4H	20 U
8/19/2021	XX	BTXXXXE4I	20 U
9/1/2021	XX	BTXXXXE52	20 U
4/25/2022	XX	BTXXXXF41	20 U
4/26/2022	XX	BTXXXXF42	20 U
4/27/2022	XX	BTXXXXI80	20 U
7/18/2022	XX	BTXXXXFAB	20 U
7/19/2022	XX	BTXXXXFAC	20 U
7/20/2022	XX	BTXXXXFAD	20 U
7/21/2022	XX	BTXXXXFB3	20 U

REPORT PREPARED: 1/7/2025 14:25
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Methane

SME SEVEE & MAHER ENGINEERS

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	Methane ug/L
10/3/2022	XX	BTXXXXG1I	20 U
10/4/2022	XX	BTXXXXG1J	20 U
10/5/2022	XX	BTXXXXG21	20 U
1/24/2023	XX	BTXXXXGDF	20 U
3/30/2023	XX	BTXXXXGH7	20 U
4/17/2023	XX	BTXXXXH1A	20 U
4/18/2023	XX	BTXXXXH1C	20 U
4/19/2023	XX	BTXXXXH19	20 U
4/19/2023	XX	BTXXXXI9A	20 U
4/20/2023	XX	BTXXXXI9B	20 U
6/19/2023	XX	BTXXXXH60	20 U
7/10/2023	XX	BTXXXX007	20 U
7/11/2023	XX	BTXXXX008	20 U
7/12/2023	XX	BTXXXX009	20 U
7/13/2023	XX	BTXXXX00J	20 U
7/13/2023	XX	BTXXXXI0C	20 U
8/2/2023	XX	BTXXXXH97	20 U
10/2/2023	XX	BTXXXX08E	20 U
10/4/2023	XX	BTXXXX08F	20 U
10/5/2023	XX	BTXXXX08H	20 U
4/1/2024	XX	BTXXXX152	5.2 U
4/2/2024	XX	BTXXXX153	5.2 U
4/10/2024	XX	BTXXXX155	5.2 U
4/11/2024	XX	BTXXXX17D	5.2 U
7/15/2024	XX	BTXXXX1E6	5.2 U
7/16/2024	XX	BTXXXX1EH	5.2 U
7/17/2024	XX	BTXXXX1F6	5.2 U
7/18/2024	XX	BTXXXX1F7	5.2 U
10/7/2024	XX	BTXXXX21F	5.2 U
10/8/2024	XX	BTXXXX21G	5.2 U
10/9/2024	XX	BTXXXX21I	5.2 U
10/10/2024	XX	BTXXXX228	5.2 U

(QCBT)

Date	Type	Sample ID	Methane ug/L

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

! - The sampling location was damaged or destroyed.
A - The sampling location was inaccessible.
D - The sampling location was dry.
F - The sampling location was frozen.
F16 - Could not pump water to surface for testing/sampling
I - The sampling location yielded insufficient quantity to collect a sample.
U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 1/16/2025 11:52

FOR: Juniper Ridge Landfill

DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Volatile Organic Compounds Group 1 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-1)

Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
LF-UD-1																	
4/28/2015	XX	LFUD1X792	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/5/2016	XX	LFUD1X86D	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/18/2017	XX	LFUD1X978	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	LFUD1XA30	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/23/2019	XX	LFUD1XB5G	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/28/2020	XX	LFUD1XCD8	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD1XDC7	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD1XF0J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD1XGI9	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD1X05J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD1X129	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD1X1J2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-2																	
4/28/2015	XX	LFUD2X793	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/5/2016	XX	LFUD2X86E	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/18/2017	XX	LFUD2X979	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	LFUD2XA31	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/23/2019	XX	LFUD2XB5H	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD2XCD9	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/6/2021	XX	LFUD2XDC8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD2XF10	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD2XGIA	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD2X060	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD2X12A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD2X1J3	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-3A,B																	
4/28/2015	XX	LFXXXX79G	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LFXXXX877	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFXXXX982	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/3/2018	XX	LFXXXXA3E	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB6A	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCE1	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDD0	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFXXXXF1B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFXXXXGJ1	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06A	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX12J	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFXXXX1JC	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-4																	
4/28/2015	XX	LFXXXX79H	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LFXXXX878	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFXXXX983	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	LFXXXXA3F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB6B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCE2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDD1	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8

SME SEVEE & MAHER ENGINEERS

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-4)

Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
4/26/2022	XX	LFXXXXF1C	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/18/2023	XX	LFXXXXGJ2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX130	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFXXXX1JD	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-5and6																	
4/28/2015	XX	LFXXXX79I	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/5/2016	XX	LFXXXX879	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/18/2017	XX	LFXXXX984	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	LFXXXXA3G	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/23/2019	XX	LFXXXXB6C	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/28/2020	XX	LFXXXXCE3	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/6/2021	XX	LFXXXXDD2	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/26/2022	XX	LFXXXXF1D	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/18/2023	XX	LFXXXXGJ3	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/3/2023	XX	LFXXXX06C	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/2/2024	XX	LFXXXX131	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/8/2024	XX	LFXXXX1JE	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-6																	
4/28/2015	XX	LFUD6X7A0	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/5/2016	XX	LFUD6X87B	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/18/2017	XX	LFUD6X986	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	LFUD6XA3I	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/23/2019	XX	LFUD6XB6E	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/28/2020	XX	LFUD6XCE5	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/6/2021	XX	LFUD6XDD4	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/26/2022	XX	LFUD6XF1E	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD6XGJ4	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD6X06D	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/8/2024	XX	LFUD6X1JF	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-7																	
4/28/2015	XX	LFUD7X7A1	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LFUD7X87C	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD7X987	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/3/2018	XX	LFUD7XA3J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFUD7XB6F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD7XCE6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD7XDD5	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD7XF1F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD7XGJ5	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD7X06E	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD7X133	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD7X1JG	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-8																	
4/28/2015	XX	LFUD8X7A2	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/5/2016	XX	LFUD8X87D	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD8X988	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

DATA SUMMARY TABLE

Volatile Organic Compounds Group 1 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-8) Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
4/3/2018	XX	LFUD8XA40	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/23/2019	XX	LFUD8XB6G	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/28/2020	XX	LFUD8XCE7	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD8XDD6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LFUD8XF1G	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD8XGJ6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD8X06F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD8X134	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD8X1JH	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-9																	
4/5/2016	XX	LFUD9X881	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD9X98F	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	LFUD9XA47	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFUD9XB73	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD9XCED	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD9XDDA	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LFUD9XF1J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD9XGJ9	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD9X06H	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD9X136	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD9X1JJ	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-10																	
4/3/2018	XX	LFXXXXA48	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB74	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCEE	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDDB	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LFXXXXF23	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFXXXXGJD	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06I	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX137	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFXXXX200	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-12+13+14																	
4/6/2021	XX	LFX12XDFB	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX0A2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LP-UD-1																	
4/28/2015	XX	LPUD1X794	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LPUD1X86F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LPUD1X97A	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/3/2018	XX	LPUD1XA32	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LPUD1XB5I	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/28/2020	XX	LPUD1XCDA	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LPUD1XDC9	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LPUD1XF11	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LPUD1XGIB	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LPUD1X061	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LPUD1X12B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/8/2024	XX	LPUD1X1J4	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6

(LP-UD-2)

Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
LP-UD-2																	
4/28/2015	XX	LPUD2X795	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/5/2016	XX	LPUD2X86G	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/18/2017	XX	LPUD2X97B	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	LPUD2XA33	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/23/2019	XX	LPUD2XB5J	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/28/2020	XX	LPUD2XCDB	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/6/2021	XX	LPUD2XDCA	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/26/2022	XX	LPUD2XF12	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/18/2023	XX	LPUD2XGIC	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/3/2023	XX	LPUD2X062	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/2/2024	XX	LPUD2X12C	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/8/2024	XX	LPUD2X1J5	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-04-09A																	
2/26/2020	XX	GWX09AC56	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/30/2020	XX	GWX09ACC1	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/23/2020	XX	GWX09ACGC	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/20/2020	XX	GWX09AD1J	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-04-09B																	
2/26/2020	XX	GWX09BC57	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/30/2020	XX	GWX09BCC2	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW06-01																	
4/10/2018	XD	GWDP1XA68	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/10/2018	XX	GWXXXXA70	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/4/2018	XX	GWXXXXA7H	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-08-01																	
2/9/2021	XX	GWXXXXDA0	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/7/2021	XX	GWXXXXDAJ	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/9/2021	XX	GWXXXXDH2	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/19/2021	XX	GWXXXXE4G	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-303 & MW12-303R																	
6/18/2015	XX	42173-1	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
MW-401B																	
4/27/2015	XX	GW401B78I	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/27/2015	XD	GWDP4X791	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/6/2016	XD	GWDP4X86C	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/6/2016	XX	GW401B869	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/17/2017	XD	GWDP4X977	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/17/2017	XX	GW401B974	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/2/2018	XD	GWDP4XA2J	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/2/2018	XX	GW401BA2G	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/22/2019	XD	GWDP4XB5F	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/22/2019	XX	GW401BB5C	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/27/2020	XD	GWDP4XCD7	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/27/2020	XX	GW401BCD4	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-401B)

Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
4/5/2021	XD	GWDP4XDC6	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/5/2021	XX	GW401BDC3	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/25/2022	XD	GWDP1XF01	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/25/2022	XX	GW401BF0F	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/17/2023	XD	GWDP1XGHB	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/17/2023	XX	GW401BGI5	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/1/2024	XD	GWDP1X11B	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/1/2024	XX	GW401B125	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-501																	
4/5/2018	XX	GW501XA6I	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/4/2018	XX	GW501XA7F	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-502																	
2/26/2020	XD	GWDP1XC52	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2/26/2020	XX	GW502XC55	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/30/2020	XX	GW502XCBJ	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-503																	
2/9/2021	XX	GW503XD9A	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/8/2021	XX	GW503XDA9	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/8/2021	XX	GW503XDGC	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/19/2021	XX	GW503XE46	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-504																	
2/9/2021	XD	GWDP1XD94	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2/9/2021	XX	GW504XD9B	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/7/2021	XX	GW504XDAA	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/9/2021	XD	GWDP1XDG9	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/9/2021	XX	GW504XDGD	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/19/2021	XX	GW504XE47	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-505																	
2/10/2021	XX	GW505XD9C	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/8/2021	XX	GW505XDAB	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/9/2021	XX	GW505XDGE	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/18/2021	XX	GW505XE48	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-506																	
2/18/2021	XX	GW506XD9D	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/8/2021	XX	GW506XDAC	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/8/2021	XX	GW506XDGF	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16
7/14/2021	XX	GW506XE38	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
9/1/2021	XX	GW506XE49	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-507																	
4/5/2018	XX	GW507XA6J	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/5/2018	XX	GW507XA7G	3.1	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/20/2018	XX	GW507XAFF	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
MW-508																	
10/5/2022	XX	GW508XG2E	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

(MW-508) Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
1/24/2023	XX	GW508XGBF	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3/30/2023	XX	GW508XGH2	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/19/2023	XX	GW508XH1H	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/19/2023	XX	GW508XH5H	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-06-03																	
4/10/2018	XX	GWXXXXA73	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/5/2018	XX	GWXXXXA80	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
7/19/2018	XX	GWXXXXAEI	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
OW-601A																	
4/11/2018	XX	GW601AA69	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/6/2018	XX	GW601AA76	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/19/2018	XX	GW601AAE4	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-601B																	
4/11/2018	XX	GW601BA6A	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/6/2018	XX	GW601BA77	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-602A																	
4/11/2018	XX	GW602AA6B	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/6/2018	XD	GWDP1XA75	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/6/2018	XX	GW602AA78	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-603B																	
4/12/2018	XX	GW603BA6C	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/5/2018	XX	GW603BA79	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-604A																	
4/12/2018	XX	GW604AA6D	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/4/2018	XX	GW604AA7A	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-605A																	
4/10/2018	XX	GW605AA6E	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/5/2018	XX	GW605AA7B	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-606A																	
4/3/2018	XX	GW606AA6F	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/4/2018	XX	GW606AA7C	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-606B																	
2/9/2021	XX	GW606BD9E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
4/8/2021	XX	GW606BDAD	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/8/2021	XX	GW606BDGG	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/14/2021	XX	GW606BE37	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/18/2021	XX	GW606BE4A	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-607B																	
2/9/2021	XX	GW607BD9F	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/7/2021	XX	GW607BDAE	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/9/2021	XX	GW607BDGH	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/19/2021	XX	GW607BE4B	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(OW-608A) Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
OW-608A																	
4/4/2018	XX	GW608AA6G	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/4/2018	XX	GW608AA7D	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-608B																	
2/10/2021	XX	GW608BD9G	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/8/2021	XD	GWDP1XDA6	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/8/2021	XX	GW608BDAF	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/8/2021	XX	GW608BDGI	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/17/2021	XD	GWDP1XE43	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/17/2021	XX	GW608BE4C	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-609B																	
2/10/2021	XX	GW609BD9H	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/8/2021	XX	GW609BDAG	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1.4	1 U	10 U	1 U	1 U
6/8/2021	XX	GW609BDGJ	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/17/2021	XX	GW609BE4D	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-610A																	
10/5/2022	XX	GW610AG2F	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
1/24/2023	XX	GW610AGBG	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/19/2023	XX	GW610AH1I	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/19/2023	XX	GW610AH61	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
OW-611A																	
4/4/2018	XX	GW611AA6H	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/5/2018	XX	GW611AA7E	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
P-04-07A																	
10/3/2022	XX	GWXXXXG2G	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
1/24/2023	XX	GWX07AGBD	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3/30/2023	XD	GWDP1XGGJ	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
3/30/2023	XX	GWX07AGH0	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/19/2023	XD	GWDP5XH0A	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/19/2023	XX	GWXXXXH1J	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/19/2023	XD	GWDP1XH5E	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/19/2023	XX	GWX07AH5F	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
P-04-07B																	
10/3/2022	XX	GWXXXXG2H	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
1/24/2023	XX	GWX07BGBE	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3/30/2023	XX	GWX07BGH1	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/19/2023	XX	GWXXXXH20	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/19/2023	XX	GWX07BH5G	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
P-04-11A																	
2/10/2021	XX	GWXXXXD9I	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/8/2021	XX	GWXXXXDAH	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/9/2021	XX	GWXXXXDH0	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/18/2021	XX	GWXXXXE4E	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(P-04-11B)

Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
P-04-11B																	
2/10/2021	XX	GWXXXXD9J	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/8/2021	XX	GWXXXXDAI	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/9/2021	XX	GWXXXXDH1	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/18/2021	XX	GWXXXXE4F	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
PWS-4																	
1/24/2023	XX	PWXX4XGBI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3/30/2023	XX	PWXX4XGH5	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/19/2023	XX	GWXXXXH22	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/19/2023	XX	PWXX4XH5J	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/13/2023	XX	PWXX4X023	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/4/2023	XX	GWXXXX094	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
SW23-4																	
1/24/2023	XX	SWXX4XGBH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3/30/2023	XX	SWXX4XGH4	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/19/2023	XX	GWXXXXH23	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/19/2023	XX	SWXX4XH5I	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/13/2023	XX	SWXX4X022	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
QCBT																	
4/27/2015	XX	BTXXXX79E	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/27/2015	XX	BTXXXX79F	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/27/2015	XX	BTXXXX79J	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
7/15/2015	XX	BTXXXX7DB	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/5/2016	XX	BTXXXX876	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/6/2016	XX	BTXXXX875	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/17/2017	XX	BTXXXX985	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/18/2017	XX	BTXXXX981	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/2/2018	XX	BTXXXXA3C	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	BTXXXXA3H	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	BTXXXXHHD	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/4/2018	XX	BTXXXXA5F	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/5/2018	XX	BTXXXXA71	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/10/2018	XX	BTXXXXA72	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/11/2018	XX	BTXXXXHHB	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/12/2018	XX	BTXXXXHHC	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/4/2018	XX	BTXXXXA74	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/5/2018	XX	BTXXXXA7I	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/6/2018	XX	BTXXXXA7J	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/19/2018	XX	BTXXXXAE2	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/20/2018	XX	BTXXXXAF3	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/22/2019	XX	BTXXXXB6D	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/23/2019	XX	BTXXXXB69	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2/26/2020	XX	BTXXXXC5G	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/27/2020	XX	BTXXXXCDJ	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/28/2020	XX	BTXXXXCE0	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/30/2020	XX	BTXXXXCC3	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/23/2020	XX	BTXXXXCGE	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

REPORT PREPARED: 1/16/2025 11:52
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Volatile Organic Compounds Group 1 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
8/20/2020	XX	BTXXXXD21	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2/9/2021	XX	BTXXXXD98	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2/10/2021	XX	BTXXXXD99	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2/18/2021	XX	BTXXXXDA5	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/5/2021	XX	BTXXXXDCI	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/6/2021	XX	BTXXXXDCJ	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/7/2021	XX	BTXXXXDA7	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/8/2021	XX	BTXXXXDA8	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/8/2021	XX	BTXXXXDGA	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/9/2021	XX	BTXXXXDGB	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/14/2021	XX	BTXXXXE1F	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/17/2021	XX	BTXXXXE44	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/18/2021	XX	BTXXXXE45	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
8/19/2021	XX	BTXXXXE50	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
9/1/2021	XX	BTXXXXE51	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/25/2022	XX	BTXXXXF2B	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/26/2022	XX	BTXXXXF3J	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/3/2022	XX	BTXXXXG0A	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/5/2022	XX	BTXXXXG1G	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
1/24/2023	XX	BTXXXXGBB	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
3/30/2023	XX	BTXXXXGGI	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/17/2023	XX	BTXXXXGJ0	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/18/2023	XX	BTXXXXH01	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/19/2023	XX	BTXXXXI9C	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
6/19/2023	XX	BTXXXXH5D	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/13/2023	XX	BTXXXX01D	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/2/2023	XX	BTXXXX076	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/4/2023	XX	BTXXXX08C	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/1/2024	XX	BTXXXX13F	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/2/2024	XX	BTXXXX151	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/8/2024	XX	BTXXXX208	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

(QCBT) Date	Type	Sample ID	Chloromethane	Bromomethane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetone	Carbon Disulfide	1,1-Dichloroethene	1,1-Dichloroethane	trans-1,2-Dichloroethene	Chloroform	1,2-Dichloroethane	Methyl Ethyl Ketone	1,1,1-Trichloroethane	Carbon Tetrachloride
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

A - The sampling location was inaccessible.
D - The sampling location was dry.
F - The sampling location was frozen.
F16 - Could not pump water to surface for testing/sampling
F6 - No flow. Sample not taken.
H8 - No flow from pipe. See LF-COMP for readings
I - The sampling location yielded insufficient quantity to collect a sample.
U - Not Detected above the laboratory reporting limit.

DATA SUMMARY TABLE

Volatile Organic Compounds Group 2 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-1)			Vinyl Acetate	Bromo dichloro methane	1,2-Dichloro propane	cis-1,3-Dichloro propene	Trichloroethene	Dibromo chloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloro propene	Bromoform	4-Methyl-2-Pentanone	2-Hexanone	Tetrachloro ethene	1,1,2,2-Tetrachloro ethane	Toluene
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LF-UD-1																	
4/28/2015	XX	LFUD1X792	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/5/2016	XX	LFUD1X86D	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/18/2017	XX	LFUD1X978	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	LFUD1XA30	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/23/2019	XX	LFUD1XB5G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/28/2020	XX	LFUD1XCD8	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD1XDC7	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD1XF0J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD1XGI9	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD1X05J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD1X129	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD1X1J2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-2																	
4/28/2015	XX	LFUD2X793	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/5/2016	XX	LFUD2X86E	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/18/2017	XX	LFUD2X979	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	LFUD2XA31	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/23/2019	XX	LFUD2XB5H	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD2XCD9	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/6/2021	XX	LFUD2XDC8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD2XF10	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD2XGIA	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD2X060	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD2X12A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD2X1J3	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-3A,B																	
4/28/2015	XX	LFXXXX79G	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LFXXXX877	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFXXXX982	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/3/2018	XX	LFXXXXA3E	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB6A	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCE1	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDD0	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFXXXXF1B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFXXXXGJ1	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06A	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX12J	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFXXXX1JC	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-4																	
4/28/2015	XX	LFXXXX79H	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LFXXXX878	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFXXXX983	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	LFXXXXA3F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB6B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCE2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDD1	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-4)

Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
4/26/2022	XX	LFXXXXF1C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/18/2023	XX	LFXXXXGJ2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX130	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFXXXX1JD	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6

LF-UD-5and6

Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
4/28/2015	XX	LFXXXX79I	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/5/2016	XX	LFXXXX879	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/18/2017	XX	LFXXXX984	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	LFXXXXA3G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/23/2019	XX	LFXXXXB6C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/28/2020	XX	LFXXXXCE3	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/6/2021	XX	LFXXXXDD2	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/26/2022	XX	LFXXXXF1D	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/18/2023	XX	LFXXXXGJ3	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/3/2023	XX	LFXXXX06C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/2/2024	XX	LFXXXX131	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/8/2024	XX	LFXXXX1JE	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6

LF-UD-6

Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
4/28/2015	XX	LFUD6X7A0	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/5/2016	XX	LFUD6X87B	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/18/2017	XX	LFUD6X986	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	LFUD6XA3I	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/23/2019	XX	LFUD6XB6E	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/28/2020	XX	LFUD6XCE5	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/6/2021	XX	LFUD6XDD4	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/26/2022	XX	LFUD6XF1E	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD6XGJ4	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD6X06D	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/8/2024	XX	LFUD6X1JF	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D

LF-UD-7

Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
4/28/2015	XX	LFUD7X7A1	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LFUD7X87C	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD7X987	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/3/2018	XX	LFUD7XA3J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFUD7XB6F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD7XCE6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD7XDD5	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD7XF1F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD7XGJ5	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD7X06E	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD7X133	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD7X1JG	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6

LF-UD-8

Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
4/28/2015	XX	LFUD8X7A2	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/5/2016	XX	LFUD8X87D	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD8X988	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Vinyl Acetate	Bromo dichloro methane	1,2-Dichloro propane	cis-1,3-Dichloro propene	Trichloroethene	Dibromo chloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloro propene	Bromoform	4-Methyl-2-Pentanone	2-Hexanone	Tetrachloro ethene	1,1,2,2-Tetrachloro ethane	Toluene
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
(LF-UD-8)																	
4/3/2018	XX	LFUD8XA40	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/23/2019	XX	LFUD8XB6G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/28/2020	XX	LFUD8XCE7	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD8XDD6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LFUD8XF1G	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD8XGJ6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD8X06F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD8X134	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD8X1JH	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-9																	
4/5/2016	XX	LFUD9X881	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD9X98F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	LFUD9XA47	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFUD9XB73	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD9XCED	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD9XDDA	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LFUD9XF1J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD9XGJ9	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD9X06H	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD9X136	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD9X1JJ	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-10																	
4/3/2018	XX	LFXXXXA48	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB74	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCEE	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDDB	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LFXXXXF23	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFXXXXGJD	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06I	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX137	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFXXXX200	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-12+13+14																	
4/6/2021	XX	LFX12XDFB	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX0A2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LP-UD-1																	
4/28/2015	XX	LPUD1X794	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LPUD1X86F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LPUD1X97A	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/3/2018	XX	LPUD1XA32	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LPUD1XB5I	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/28/2020	XX	LPUD1XCDA	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LPUD1XDC9	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LPUD1XF11	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LPUD1XGIB	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LPUD1X061	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LPUD1X12B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/8/2024	XX	LPUD1X1J4	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6

REPORT PREPARED: 1/16/2025 11:52
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE
Volatile Organic Compounds Group 2 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LP-UD-2)

Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
LP-UD-2																	
4/28/2015	XX	LPUD2X795	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/5/2016	XX	LPUD2X86G	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/18/2017	XX	LPUD2X97B	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	LPUD2XA33	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/23/2019	XX	LPUD2XB5J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/28/2020	XX	LPUD2XCDB	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/6/2021	XX	LPUD2XDCA	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/26/2022	XX	LPUD2XF12	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/18/2023	XX	LPUD2XGIC	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/3/2023	XX	LPUD2X062	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/2/2024	XX	LPUD2X12C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/8/2024	XX	LPUD2X1J5	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-04-09A																	
2/26/2020	XX	GWX09AC56	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/30/2020	XX	GWX09ACC1	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/23/2020	XX	GWX09ACGC	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/20/2020	XX	GWX09AD1J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-04-09B																	
2/26/2020	XX	GWX09BC57	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/30/2020	XX	GWX09BCC2	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW06-01																	
4/10/2018	XD	GWDP1XA68	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/10/2018	XX	GWXXXXA70	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/4/2018	XX	GWXXXXA7H	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-08-01																	
2/9/2021	XX	GWXXXXDA0	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/7/2021	XX	GWXXXXDAJ	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/9/2021	XX	GWXXXXDH2	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/19/2021	XX	GWXXXXE4G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-303 & MW12-303R																	
6/18/2015	XX	42173-1	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
MW-401B																	
4/27/2015	XX	GW401B78I	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/27/2015	XD	GWDP4X791	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/6/2016	XD	GWDP4X86C	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/6/2016	XX	GW401B869	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/17/2017	XD	GWDP4X977	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/17/2017	XX	GW401B974	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/2/2018	XD	GWDP4XA2J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/2/2018	XX	GW401BA2G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/22/2019	XD	GWDP4XB5F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/22/2019	XX	GW401BB5C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/27/2020	XD	GWDP4XCD7	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/27/2020	XX	GW401BCD4	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U

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(MW-401B) Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
4/5/2021	XD	GWDP4XDC6	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/5/2021	XX	GW401BDC3	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/25/2022	XD	GWDP1XF01	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/25/2022	XX	GW401BF0F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/17/2023	XD	GWDP1XGHB	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/17/2023	XX	GW401BGI5	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/1/2024	XD	GWDP1X11B	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/1/2024	XX	GW401B125	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-501																	
4/5/2018	XX	GW501XA6I	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/4/2018	XX	GW501XA7F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-502																	
2/26/2020	XD	GWDP1XC52	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
2/26/2020	XX	GW502XC55	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/30/2020	XX	GW502XCBJ	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-503																	
2/9/2021	XX	GW503XD9A	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/8/2021	XX	GW503XDA9	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/8/2021	XX	GW503XDGC	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/19/2021	XX	GW503XE46	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-504																	
2/9/2021	XD	GWDP1XD94	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
2/9/2021	XX	GW504XD9B	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/7/2021	XX	GW504XDAA	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/9/2021	XD	GWDP1XDG9	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/9/2021	XX	GW504XDGD	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/19/2021	XX	GW504XE47	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-505																	
2/10/2021	XX	GW505XD9C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/8/2021	XX	GW505XDAB	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/9/2021	XX	GW505XDGE	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/18/2021	XX	GW505XE48	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-506																	
2/18/2021	XX	GW506XD9D	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/8/2021	XX	GW506XDAC	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/8/2021	XX	GW506XDGF	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16
7/14/2021	XX	GW506XE38	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
9/1/2021	XX	GW506XE49	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-507																	
4/5/2018	XX	GW507XA6J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/5/2018	XX	GW507XA7G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/20/2018	XX	GW507XAFF	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
MW-508																	
10/5/2022	XX	GW508XG2E	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U

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(MW-508)			Vinyl Acetate	Bromo dichloro methane	1,2-Dichloro propane	cis-1,3-Dichloro propene	Trichloroethene	Dibromo chloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloro propene	Bromoform	4-Methyl-2-Pentanone	2-Hexanone	Tetrachloro ethene	1,1,2,2-Tetrachloro ethane	Toluene
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1/24/2023	XX	GW508XGBF	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3/30/2023	XX	GW508XGH2	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/19/2023	XX	GW508XH1H	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/19/2023	XX	GW508XH5H	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-06-03																	
4/10/2018	XX	GWXXXXA73	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/5/2018	XX	GWXXXXA80	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
7/19/2018	XX	GWXXXXAEI	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
OW-601A																	
4/11/2018	XX	GW601AA69	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1.1	1 U	1 U
6/6/2018	XX	GW601AA76	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/19/2018	XX	GW601AAE4	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-601B																	
4/11/2018	XX	GW601BA6A	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/6/2018	XX	GW601BA77	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-602A																	
4/11/2018	XX	GW602AA6B	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/6/2018	XD	GWDP1XA75	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/6/2018	XX	GW602AA78	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-603B																	
4/12/2018	XX	GW603BA6C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/5/2018	XX	GW603BA79	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-604A																	
4/12/2018	XX	GW604AA6D	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/4/2018	XX	GW604AA7A	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-605A																	
4/10/2018	XX	GW605AA6E	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/5/2018	XX	GW605AA7B	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-606A																	
4/3/2018	XX	GW606AA6F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/4/2018	XX	GW606AA7C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-606B																	
2/9/2021	XX	GW606BD9E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
4/8/2021	XX	GW606BDAD	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/8/2021	XX	GW606BDGG	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/14/2021	XX	GW606BE37	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/18/2021	XX	GW606BE4A	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-607B																	
2/9/2021	XX	GW607BD9F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/7/2021	XX	GW607BDAE	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/9/2021	XX	GW607BDGH	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/19/2021	XX	GW607BE4B	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U

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(OW-608A)

Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
OW-608A																	
4/4/2018	XX	GW608AA6G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/4/2018	XX	GW608AA7D	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-608B																	
2/10/2021	XX	GW608BD9G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/8/2021	XD	GWDP1XDA6	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/8/2021	XX	GW608BDAF	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/8/2021	XX	GW608BDGI	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/17/2021	XD	GWDP1XE43	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/17/2021	XX	GW608BE4C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-609B																	
2/10/2021	XX	GW609BD9H	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/8/2021	XX	GW609BDAG	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/8/2021	XX	GW609BDGJ	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/17/2021	XX	GW609BE4D	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-610A																	
10/5/2022	XX	GW610AG2F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
1/24/2023	XX	GW610AGBG	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/19/2023	XX	GW610AH1I	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/19/2023	XX	GW610AH61	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
OW-611A																	
4/4/2018	XX	GW611AA6H	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/5/2018	XX	GW611AA7E	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
P-04-07A																	
10/3/2022	XX	GWXXXXG2G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
1/24/2023	XX	GWX07AGBD	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3/30/2023	XD	GWDP1XGGJ	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
3/30/2023	XX	GWX07AGH0	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/19/2023	XD	GWDP5XH0A	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/19/2023	XX	GWXXXXH1J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/19/2023	XD	GWDP1XH5E	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/19/2023	XX	GWX07AH5F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
P-04-07B																	
10/3/2022	XX	GWXXXXG2H	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
1/24/2023	XX	GWX07BGBE	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3/30/2023	XX	GWX07BGH1	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/19/2023	XX	GWXXXXH20	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/19/2023	XX	GWX07BH5G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
P-04-11A																	
2/10/2021	XX	GWXXXXD9I	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/8/2021	XX	GWXXXXDAH	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/9/2021	XX	GWXXXXDH0	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/18/2021	XX	GWXXXXE4E	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U

(P-04-11B)

Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
P-04-11B																	
2/10/2021	XX	GWXXXXD9J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/8/2021	XX	GWXXXXDAI	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/9/2021	XX	GWXXXXDH1	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/18/2021	XX	GWXXXXE4F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
PWS-4																	
1/24/2023	XX	PWXX4XGBI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3/30/2023	XX	PWXX4XGH5	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/19/2023	XX	GWXXXXH22	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/19/2023	XX	PWXX4XH5J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/13/2023	XX	PWXX4X023	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/4/2023	XX	GWXXXX094	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
SW23-4																	
1/24/2023	XX	SWXX4XGBH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3/30/2023	XX	SWXX4XGH4	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/19/2023	XX	GWXXXXH23	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/19/2023	XX	SWXX4XH5I	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/13/2023	XX	SWXX4X022	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
QCBT																	
4/27/2015	XX	BTXXXX79E	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/27/2015	XX	BTXXXX79F	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/27/2015	XX	BTXXXX79J	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
7/15/2015	XX	BTXXXX7DB	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/5/2016	XX	BTXXXX876	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/6/2016	XX	BTXXXX875	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/17/2017	XX	BTXXXX985	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/18/2017	XX	BTXXXX981	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/2/2018	XX	BTXXXXA3C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	BTXXXXA3H	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	BTXXXXHHD	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/4/2018	XX	BTXXXXA5F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/5/2018	XX	BTXXXXA71	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/10/2018	XX	BTXXXXA72	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/11/2018	XX	BTXXXXHHB	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/12/2018	XX	BTXXXXHHC	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/4/2018	XX	BTXXXXA74	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/5/2018	XX	BTXXXXA7I	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/6/2018	XX	BTXXXXA7J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/19/2018	XX	BTXXXXAE2	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/20/2018	XX	BTXXXXAF3	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/22/2019	XX	BTXXXXB6D	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/23/2019	XX	BTXXXXB69	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
2/26/2020	XX	BTXXXXC5G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/27/2020	XX	BTXXXXCDJ	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/28/2020	XX	BTXXXXCE0	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/30/2020	XX	BTXXXXCC3	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/23/2020	XX	BTXXXXCGE	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U

REPORT PREPARED: 1/16/2025 11:52
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Volatile Organic Compounds Group 2 of 4

SME SEVEE & MAHER ENGINEERS

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	Vinyl Acetate	Bromo dichloro methane	1,2-Dichloro propane	cis-1,3-Dichloro propene	Trichloroethene	Dibromo chloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloro propene	Bromoform	4-Methyl-2-Pentanone	2-Hexanone	Tetrachloro ethene	1,1,2,2-Tetrachloro ethane	Toluene
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
8/20/2020	XX	BTXXXXD21	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
2/9/2021	XX	BTXXXXD98	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
2/10/2021	XX	BTXXXXD99	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
2/18/2021	XX	BTXXXXDA5	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/5/2021	XX	BTXXXXDCI	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/6/2021	XX	BTXXXXDCJ	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/7/2021	XX	BTXXXXDA7	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/8/2021	XX	BTXXXXDA8	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/8/2021	XX	BTXXXXDGA	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/9/2021	XX	BTXXXXDGB	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/14/2021	XX	BTXXXXE1F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/17/2021	XX	BTXXXXE44	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/18/2021	XX	BTXXXXE45	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
8/19/2021	XX	BTXXXXE50	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
9/1/2021	XX	BTXXXXE51	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/25/2022	XX	BTXXXXF2B	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/26/2022	XX	BTXXXXF3J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/3/2022	XX	BTXXXXG0A	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/5/2022	XX	BTXXXXG1G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
1/24/2023	XX	BTXXXXGBB	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
3/30/2023	XX	BTXXXXGGI	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/17/2023	XX	BTXXXXGJ0	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/18/2023	XX	BTXXXXH01	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/19/2023	XX	BTXXXXI9C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
6/19/2023	XX	BTXXXXH5D	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/13/2023	XX	BTXXXX01D	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/2/2023	XX	BTXXXX076	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/4/2023	XX	BTXXXX08C	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/1/2024	XX	BTXXXX13F	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/2/2024	XX	BTXXXX151	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/8/2024	XX	BTXXXX208	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U

(QCBT)			Vinyl Acetate	Bromo dichloro methane	1,2-Dichloro propane	cis-1,3-Dichloro propene	Trichloroethene	Dibromo chloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloro propene	Bromoform	4-Methyl-2-Pentanone	2-Hexanone	Tetrachloro ethene	1,1,2,2-Tetrachloro ethane	Toluene
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

A - The sampling location was inaccessible.
D - The sampling location was dry.
F - The sampling location was frozen.
F16 - Could not pump water to surface for testing/sampling
F6 - No flow. Sample not taken.
H8 - No flow from pipe. See LF-COMP for readings
I - The sampling location yielded insufficient quantity to collect a sample.
U - Not Detected above the laboratory reporting limit.

DATA SUMMARY TABLE

Volatile Organic Compounds Group 3 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-1)

Date	Type	Sample ID	Chlorobenzene ug/L	Ethylbenzene ug/L	Styrene ug/L	o-Xylene ug/L	m,p-Xylene ug/L	Tetra hydrofuran ug/L	Trichloro fluoromethane ug/L	cis-1,2-Dichloroethene ug/L	Bromochloro methane ug/L	Dibromo methane ug/L	1,2-Dibromoethane ug/L	1,1,1,2-Tetrachloro ethane ug/L	1,2,3-Trichloro propane ug/L	1,2-Dibromo-3-Chloropropane ug/L	1,4-Dichloro benzene ug/L
LF-UD-1																	
4/28/2015	XX	LFUD1X792	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/5/2016	XX	LFUD1X86D	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/18/2017	XX	LFUD1X978	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	LFUD1XA30	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/23/2019	XX	LFUD1XB5G	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/28/2020	XX	LFUD1XCD8	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD1XDC7	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD1XF0J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD1XGI9	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD1X05J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD1X129	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD1X1J2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-2																	
4/28/2015	XX	LFUD2X793	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/5/2016	XX	LFUD2X86E	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/18/2017	XX	LFUD2X979	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	LFUD2XA31	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/23/2019	XX	LFUD2XB5H	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD2XCD9	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/6/2021	XX	LFUD2XDC8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD2XF10	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD2XGIA	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD2X060	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD2X12A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD2X1J3	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-3A,B																	
4/28/2015	XX	LFXXXX79G	F6	F6	F6	F6	F6		F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LFXXXX877	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFXXXX982	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/3/2018	XX	LFXXXXA3E	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB6A	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCE1	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDD0	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFXXXXF1B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFXXXXGJ1	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06A	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX12J	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFXXXX1JC	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-4																	
4/28/2015	XX	LFXXXX79H	F6	F6	F6	F6	F6		F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LFXXXX878	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFXXXX983	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	LFXXXXA3F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB6B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCE2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDD1	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8

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(LF-UD-4)			Chlorobenzene	Ethylbenzene	Styrene	o-Xylene	m,p-Xylene	Tetra hydrofuran	Trichloro fluoromethane	cis-1,2-Dichloroethene	Bromochloro methane	Dibromo methane	1,2-Dibromoethane	1,1,1,2-Tetrachloro ethane	1,2,3-Trichloro propane	1,2-Dibromo-3-Chloropropane	1,4-Dichloro benzene
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
4/26/2022	XX	LFXXXXF1C	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/18/2023	XX	LFXXXXGJ2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX130	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFXXXX1JD	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-5and6																	
4/28/2015	XX	LFXXXX79I	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/5/2016	XX	LFXXXX879	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/18/2017	XX	LFXXXX984	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	LFXXXXA3G	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/23/2019	XX	LFXXXXB6C	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/28/2020	XX	LFXXXXCE3	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/6/2021	XX	LFXXXXDD2	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/26/2022	XX	LFXXXXF1D	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/18/2023	XX	LFXXXXGJ3	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/3/2023	XX	LFXXXX06C	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/2/2024	XX	LFXXXX131	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/8/2024	XX	LFXXXX1JE	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-6																	
4/28/2015	XX	LFUD6X7A0	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/5/2016	XX	LFUD6X87B	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/18/2017	XX	LFUD6X986	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	LFUD6XA3I	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/23/2019	XX	LFUD6XB6E	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/28/2020	XX	LFUD6XCE5	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/6/2021	XX	LFUD6XDD4	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/26/2022	XX	LFUD6XF1E	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD6XGJ4	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD6X06D	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/8/2024	XX	LFUD6X1JF	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-7																	
4/28/2015	XX	LFUD7X7A1	F6	F6	F6	F6	F6		F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LFUD7X87C	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD7X987	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/3/2018	XX	LFUD7XA3J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFUD7XB6F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD7XCE6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD7XDD5	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD7XF1F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD7XGJ5	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD7X06E	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD7X133	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD7X1JG	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LF-UD-8																	
4/28/2015	XX	LFUD8X7A2	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/5/2016	XX	LFUD8X87D	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD8X988	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U

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(LF-UD-8)			Chlorobenzene	Ethylbenzene	Styrene	o-Xylene	m,p-Xylene	Tetra hydrofuran	Trichloro fluoromethane	cis-1,2-Dichloroethene	Bromochloro methane	Dibromo methane	1,2-Dibromoethane	1,1,1,2-Tetrachloro ethane	1,2,3-Trichloro propane	1,2-Dibromo-3-Chloropropane	1,4-Dichloro benzene
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
4/3/2018	XX	LFUD8XA40	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/23/2019	XX	LFUD8XB6G	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/28/2020	XX	LFUD8XCE7	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD8XDD6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LFUD8XF1G	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD8XGJ6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD8X06F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD8X134	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD8X1JH	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-9																	
4/5/2016	XX	LFUD9X881	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD9X98F	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	LFUD9XA47	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFUD9XB73	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD9XCED	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD9XDDA	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LFUD9XF1J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD9XGJ9	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD9X06H	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD9X136	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFUD9X1JJ	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-10																	
4/3/2018	XX	LFXXXXA48	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB74	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCEE	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDDB	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LFXXXXF23	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LFXXXXGJD	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06I	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX137	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
10/8/2024	XX	LFXXXX200	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
LF-UD-12+13+14																	
4/6/2021	XX	LFX12XDFB	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX0A2	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
LP-UD-1																	
4/28/2015	XX	LPUD1X794	F6	F6	F6	F6	F6		F6	F6	F6	F6	F6	F6	F6	F6	F6
4/5/2016	XX	LPUD1X86F	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2017	XX	LPUD1X97A	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/3/2018	XX	LPUD1XA32	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/23/2019	XX	LPUD1XB5I	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/28/2020	XX	LPUD1XCDA	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/6/2021	XX	LPUD1XDC9	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/26/2022	XX	LPUD1XF11	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/18/2023	XX	LPUD1XGIB	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/3/2023	XX	LPUD1X061	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
4/2/2024	XX	LPUD1X12B	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/8/2024	XX	LPUD1X1J4	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6

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(LP-UD-2)

Date	Type	Sample ID	Chlorobenzene	Ethylbenzene	Styrene	o-Xylene	m,p-Xylene	Tetra hydrofuran	Trichloro fluoromethane	cis-1,2-Dichloroethene	Bromochloro methane	Dibromo methane	1,2-Dibromoethane	1,1,1,2-Tetrachloro ethane	1,2,3-Trichloro propane	1,2-Dibromo-3-Chloropropane	1,4-Dichloro benzene
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LP-UD-2																	
4/28/2015	XX	LPUD2X795	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/5/2016	XX	LPUD2X86G	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/18/2017	XX	LPUD2X97B	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	LPUD2XA33	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/23/2019	XX	LPUD2XB5J	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/28/2020	XX	LPUD2XCDB	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/6/2021	XX	LPUD2XDCA	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/26/2022	XX	LPUD2XF12	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/18/2023	XX	LPUD2XGIC	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/3/2023	XX	LPUD2X062	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/2/2024	XX	LPUD2X12C	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/8/2024	XX	LPUD2X1J5	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW-04-09A																	
2/26/2020	XX	GWX09AC56	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/30/2020	XX	GWX09ACC1	1 U	1 U	1 U	1 U	1.1	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/23/2020	XX	GWX09ACGC	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/20/2020	XX	GWX09AD1J	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW-04-09B																	
2/26/2020	XX	GWX09BC57	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/30/2020	XX	GWX09BCC2	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW06-01																	
4/10/2018	XD	GWDP1XA68	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/10/2018	XX	GWXXXXA70	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/4/2018	XX	GWXXXXA7H	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
MW-08-01																	
2/9/2021	XX	GWXXXXDA0	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/7/2021	XX	GWXXXXDAJ	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/9/2021	XX	GWXXXXDH2	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/19/2021	XX	GWXXXXE4G	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW-303 & MW12-303R																	
6/18/2015	XX	42173-1	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
MW-401B																	
4/27/2015	XX	GW401B78I	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/27/2015	XD	GWDP4X791	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/6/2016	XD	GWDP4X86C	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/6/2016	XX	GW401B869	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/17/2017	XD	GWDP4X977	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/17/2017	XX	GW401B974	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/2/2018	XD	GWDP4XA2J	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/2/2018	XX	GW401BA2G	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/22/2019	XD	GWDP4XB5F	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/22/2019	XX	GW401BB5C	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/27/2020	XD	GWDP4XCD7	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/27/2020	XX	GW401BCD4	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U

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FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

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SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-401B)

Date	Type	Sample ID	Chlorobenzene ug/L	Ethylbenzene ug/L	Styrene ug/L	o-Xylene ug/L	m,p-Xylene ug/L	Tetra hydrofuran ug/L	Trichloro fluoromethane ug/L	cis-1,2-Dichloroethene ug/L	Bromochloro methane ug/L	Dibromo methane ug/L	1,2-Dibromoethane ug/L	1,1,1,2-Tetrachloro ethane ug/L	1,2,3-Trichloro propane ug/L	1,2-Dibromo-3-Chloropropane ug/L	1,4-Dichloro benzene ug/L
4/5/2021	XD	GWDP4XDC6	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/5/2021	XX	GW401BDC3	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/25/2022	XD	GWDP1XF01	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/25/2022	XX	GW401BF0F	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/17/2023	XD	GWDP1XGHB	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/17/2023	XX	GW401BGI5	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/1/2024	XD	GWDP1X11B	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/1/2024	XX	GW401B125	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW-501																	
4/5/2018	XX	GW501XA6I	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/4/2018	XX	GW501XA7F	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
MW-502																	
2/26/2020	XD	GWDP1XC52	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
2/26/2020	XX	GW502XC55	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/30/2020	XX	GW502XCBJ	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW-503																	
2/9/2021	XX	GW503XD9A	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/8/2021	XX	GW503XDA9	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/8/2021	XX	GW503XDGC	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/19/2021	XX	GW503XE46	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW-504																	
2/9/2021	XD	GWDP1XD94	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
2/9/2021	XX	GW504XD9B	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/7/2021	XX	GW504XDAA	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/9/2021	XD	GWDP1XDG9	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/9/2021	XX	GW504XDGD	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/19/2021	XX	GW504XE47	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW-505																	
2/10/2021	XX	GW505XD9C	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/8/2021	XX	GW505XDAB	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/9/2021	XX	GW505XDGE	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/18/2021	XX	GW505XE48	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW-506																	
2/18/2021	XX	GW506XD9D	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/8/2021	XX	GW506XDAC	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/8/2021	XX	GW506XDGF	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16
7/14/2021	XX	GW506XE38	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
9/1/2021	XX	GW506XE49	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
MW-507																	
4/5/2018	XX	GW507XA6J	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/5/2018	XX	GW507XA7G	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
8/20/2018	XX	GW507XAFF	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
MW-508																	
10/5/2022	XX	GW508XG2E	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U

(MW-508) Date	Type	Sample ID	Chlorobenzene ug/L	Ethylbenzene ug/L	Styrene ug/L	o-Xylene ug/L	m,p-Xylene ug/L	Tetra hydrofuran ug/L	Trichloro fluoromethane ug/L	cis-1,2-Dichloroethene ug/L	Bromochloro methane ug/L	Dibromo methane ug/L	1,2-Dibromoethane ug/L	1,1,1,2-Tetrachloro ethane ug/L	1,2,3-Trichloro propane ug/L	1,2-Dibromo-3-Chloropropane ug/L	1,4-Dichloro benzene ug/L
1/24/2023	XX	GW508XGBF	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3/30/2023	XX	GW508XGH2	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/19/2023	XX	GW508XH1H	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/19/2023	XX	GW508XH5H	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
OW-06-03																	
4/10/2018	XX	GWXXXXA73	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/5/2018	XX	GWXXXXA80	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
7/19/2018	XX	GWXXXXAEI	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
OW-601A																	
4/11/2018	XX	GW601AA69	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/6/2018	XX	GW601AA76	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
7/19/2018	XX	GW601AAE4	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
OW-601B																	
4/11/2018	XX	GW601BA6A	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/6/2018	XX	GW601BA77	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
OW-602A																	
4/11/2018	XX	GW602AA6B	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/6/2018	XD	GWDP1XA75	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/6/2018	XX	GW602AA78	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
OW-603B																	
4/12/2018	XX	GW603BA6C	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/5/2018	XX	GW603BA79	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
OW-604A																	
4/12/2018	XX	GW604AA6D	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/4/2018	XX	GW604AA7A	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
OW-605A																	
4/10/2018	XX	GW605AA6E	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/5/2018	XX	GW605AA7B	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
OW-606A																	
4/3/2018	XX	GW606AA6F	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/4/2018	XX	GW606AA7C	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
OW-606B																	
2/9/2021	XX	GW606BD9E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
4/8/2021	XX	GW606BDAD	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/8/2021	XX	GW606BDGG	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/14/2021	XX	GW606BE37	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/18/2021	XX	GW606BE4A	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
OW-607B																	
2/9/2021	XX	GW607BD9F	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/7/2021	XX	GW607BDAE	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/9/2021	XX	GW607BDGH	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/19/2021	XX	GW607BE4B	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U

DATA SUMMARY TABLE

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SME SEVEE & MAHER ENGINEERS

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(OW-608A)

Date	Type	Sample ID	Chlorobenzene	Ethylbenzene	Styrene	o-Xylene	m,p-Xylene	Tetra hydrofuran	Trichloro fluoromethane	cis-1,2-Dichloroethene	Bromochloro methane	Dibromo methane	1,2-Dibromoethane	1,1,1,2-Tetrachloro ethane	1,2,3-Trichloro propane	1,2-Dibromo-3-Chloropropane	1,4-Dichloro benzene
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
OW-608A																	
4/4/2018	XX	GW608AA6G	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/4/2018	XX	GW608AA7D	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
OW-608B																	
2/10/2021	XX	GW608BD9G	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/8/2021	XD	GWDP1XDA6	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/8/2021	XX	GW608BDAF	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/8/2021	XX	GW608BDGI	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/17/2021	XD	GWDP1XE43	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/17/2021	XX	GW608BE4C	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
OW-609B																	
2/10/2021	XX	GW609BD9H	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/8/2021	XX	GW609BDAG	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/8/2021	XX	GW609BDGJ	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/17/2021	XX	GW609BE4D	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
OW-610A																	
10/5/2022	XX	GW610AG2F	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
1/24/2023	XX	GW610AGBG	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/19/2023	XX	GW610AH1I	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/19/2023	XX	GW610AH61	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
OW-611A																	
4/4/2018	XX	GW611AA6H	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/5/2018	XX	GW611AA7E	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
P-04-07A																	
10/3/2022	XX	GWXXXXG2G	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
1/24/2023	XX	GWX07AGBD	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3/30/2023	XD	GWDP1XGGJ	1 U	1 U	1 U	1 U	1 U	16	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
3/30/2023	XX	GWX07AGH0	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/19/2023	XD	GWDP5XH0A	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/19/2023	XX	GWXXXXH1J	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/19/2023	XD	GWDP1XH5E	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/19/2023	XX	GWX07AH5F	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
P-04-07B																	
10/3/2022	XX	GWXXXXG2H	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
1/24/2023	XX	GWX07BGBE	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3/30/2023	XX	GWX07BGH1	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/19/2023	XX	GWXXXXH20	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/19/2023	XX	GWX07BH5G	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
P-04-11A																	
2/10/2021	XX	GWXXXXD9I	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/8/2021	XX	GWXXXXDAH	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/9/2021	XX	GWXXXXDH0	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/18/2021	XX	GWXXXXE4E	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(P-04-11B)

Date	Type	Sample ID	Chlorobenzene ug/L	Ethylbenzene ug/L	Styrene ug/L	o-Xylene ug/L	m,p-Xylene ug/L	Tetra hydrofuran ug/L	Trichloro fluoromethane ug/L	cis-1,2-Dichloroethene ug/L	Bromochloro methane ug/L	Dibromo methane ug/L	1,2-Dibromoethane ug/L	1,1,1,2-Tetrachloro ethane ug/L	1,2,3-Trichloro propane ug/L	1,2-Dibromo-3-Chloropropane ug/L	1,4-Dichloro benzene ug/L
P-04-11B																	
2/10/2021	XX	GWXXXXD9J	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/8/2021	XX	GWXXXXDAI	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/9/2021	XX	GWXXXXDH1	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/18/2021	XX	GWXXXXE4F	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
PWS-4																	
1/24/2023	XX	PWXX4XGBI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3/30/2023	XX	PWXX4XGH5	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/19/2023	XX	GWXXXXH22	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/19/2023	XX	PWXX4XH5J	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/13/2023	XX	PWXX4X023	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/4/2023	XX	GWXXXX094	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
SW23-4																	
1/24/2023	XX	SWXX4XGBH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3/30/2023	XX	SWXX4XGH4	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/19/2023	XX	GWXXXXH23	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/19/2023	XX	SWXX4XH5I	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/13/2023	XX	SWXX4X022	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
QCBT																	
4/27/2015	XX	BTXXXX79E	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/27/2015	XX	BTXXXX79F	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/27/2015	XX	BTXXXX79J	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
7/15/2015	XX	BTXXXX7DB	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/5/2016	XX	BTXXXX876	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/6/2016	XX	BTXXXX875	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/17/2017	XX	BTXXXX985	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/18/2017	XX	BTXXXX981	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/2/2018	XX	BTXXXXA3C	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5	2 U	1 U
4/3/2018	XX	BTXXXXA3H	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	BTXXXXHHD	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/4/2018	XX	BTXXXXA5F	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/5/2018	XX	BTXXXXA71	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/10/2018	XX	BTXXXXA72	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/11/2018	XX	BTXXXXHHB	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/12/2018	XX	BTXXXXHHC	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/4/2018	XX	BTXXXXA74	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/5/2018	XX	BTXXXXA7I	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
6/6/2018	XX	BTXXXXA7J	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
7/19/2018	XX	BTXXXXAE2	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
8/20/2018	XX	BTXXXXAF3	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/22/2019	XX	BTXXXXB6D	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/23/2019	XX	BTXXXXB69	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
2/26/2020	XX	BTXXXXC5G	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/27/2020	XX	BTXXXXCDJ	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/28/2020	XX	BTXXXXCE0	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/30/2020	XX	BTXXXXCC3	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/23/2020	XX	BTXXXXCGE	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U

DATA SUMMARY TABLE

Volatile Organic Compounds Group 3 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	Chlorobenzene	Ethylbenzene	Styrene	o-Xylene	m,p-Xylene	Tetra hydrofuran	Trichloro fluoromethane	cis-1,2-Dichloroethene	Bromochloro methane	Dibromo methane	1,2-Dibromoethane	1,1,1,2-Tetrachloro ethane	1,2,3-Trichloro propane	1,2-Dibromo-3-Chloropropane	1,4-Dichloro benzene
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
8/20/2020	XX	BTXXXXD21	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
2/9/2021	XX	BTXXXXD98	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
2/10/2021	XX	BTXXXXD99	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
2/18/2021	XX	BTXXXXDA5	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/5/2021	XX	BTXXXXDCI	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/6/2021	XX	BTXXXXDCJ	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/7/2021	XX	BTXXXXDA7	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/8/2021	XX	BTXXXXDA8	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/8/2021	XX	BTXXXXDGA	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/9/2021	XX	BTXXXXDGB	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/14/2021	XX	BTXXXXE1F	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/17/2021	XX	BTXXXXE44	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/18/2021	XX	BTXXXXE45	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
8/19/2021	XX	BTXXXXE50	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
9/1/2021	XX	BTXXXXE51	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/25/2022	XX	BTXXXXF2B	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/26/2022	XX	BTXXXXF3J	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/3/2022	XX	BTXXXXG0A	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/5/2022	XX	BTXXXXG1G	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
1/24/2023	XX	BTXXXXGBB	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
3/30/2023	XX	BTXXXXGGI	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/17/2023	XX	BTXXXXGJ0	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/18/2023	XX	BTXXXXH01	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/19/2023	XX	BTXXXXI9C	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
6/19/2023	XX	BTXXXXH5D	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/13/2023	XX	BTXXXX01D	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/2/2023	XX	BTXXXX076	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/4/2023	XX	BTXXXX08C	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/1/2024	XX	BTXXXX13F	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/2/2024	XX	BTXXXX151	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/8/2024	XX	BTXXXX208	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)			Chlorobenzene	Ethylbenzene	Styrene	o-Xylene	m,p-Xylene	Tetra hydrofuran	Trichloro fluoromethane	cis-1,2-Dichloroethene	Bromochloro methane	Dibromo methane	1,2-Dibromoethane	1,1,1,2-Tetrachloro ethane	1,2,3-Trichloro propane	1,2-Dibromo-3-Chloropropane	1,4-Dichloro benzene
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes:

Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

A - The sampling location was inaccessible.
D - The sampling location was dry.
F - The sampling location was frozen.
F16 - Could not pump water to surface for testing/sampling
F6 - No flow. Sample not taken.
H8 - No flow from pipe. See LF-COMP for readings
I - The sampling location yielded insufficient quantity to collect a sample.
U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 1/16/2025 11:53
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Volatile Organic Compounds Group 4 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-1)

LF-UD-1

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/28/2015	XX	LFUD1X792	1 U	20 U		5 U	5 U
4/5/2016	XX	LFUD1X86D	1 U	20 U	5 U	5 U	5 U
4/18/2017	XX	LFUD1X978	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	LFUD1XA30	1 U	20 U	5 U	5 U	5 U
4/23/2019	XX	LFUD1XB5G	1 U	20 U	5 U	5 U	5 U
4/28/2020	XX	LFUD1XCD8	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD1XDC7	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD1XF0J	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD1XGI9	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD1X05J	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD1X129	D	D	D	D	D
10/8/2024	XX	LFUD1X1J2	F6	F6	F6	F6	F6

LF-UD-2

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/28/2015	XX	LFUD2X793	1 U	20 U		5 U	5 U
4/5/2016	XX	LFUD2X86E	1 U	20 U	5 U	5 U	5 U
4/18/2017	XX	LFUD2X979	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	LFUD2XA31	1 U	20 U	5 U	5 U	5 U
4/23/2019	XX	LFUD2XB5H	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD2XCD9	1 U	20 U	2 U	5 U	5 U
4/6/2021	XX	LFUD2XDC8	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD2XF10	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD2XGIA	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD2X060	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD2X12A	D	D	D	D	D
10/8/2024	XX	LFUD2X1J3	F6	F6	F6	F6	F6

LF-UD-3A,B

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/28/2015	XX	LFXXXX79G	F6	F6		F6	F6
4/5/2016	XX	LFXXXX877	F6	F6	F6	F6	F6
4/18/2017	XX	LFXXXX982	F6	F6	F6	F6	F6
4/3/2018	XX	LFXXXXA3E	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB6A	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCE1	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDD0	H8	H8	H8	H8	H8
4/26/2022	XX	LFXXXXF1B	F6	F6	F6	F6	F6
4/18/2023	XX	LFXXXXGJ1	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06A	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX12J	D	D	D	D	D
10/8/2024	XX	LFXXXX1JC	F6	F6	F6	F6	F6

LF-UD-4

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/28/2015	XX	LFXXXX79H	F6	F6		F6	F6
4/5/2016	XX	LFXXXX878	F6	F6	F6	F6	F6
4/18/2017	XX	LFXXXX983	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	LFXXXXA3F	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB6B	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCE2	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDD1	H8	H8	H8	H8	H8

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-4)

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/26/2022	XX	LFXXXXF1C	1 U	20 U	2 U	5 U	5 U
4/18/2023	XX	LFXXXXGJ2	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06B	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX130	D	D	D	D	D
10/8/2024	XX	LFXXXX1JD	F6	F6	F6	F6	F6

LF-UD-5and6

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/28/2015	XX	LFXXXX79I	1 U	20 U		5 U	5 U
4/5/2016	XX	LFXXXX879	1 U	20 U	5 U	5 U	5 U
4/18/2017	XX	LFXXXX984	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	LFXXXXA3G	1 U	20 U	5 U	5 U	5 U
4/23/2019	XX	LFXXXXB6C	1 U	20 U	5 U	5 U	5 U
4/28/2020	XX	LFXXXXCE3	1 U	20 U	2 U	5 U	5 U
4/6/2021	XX	LFXXXXDD2	1 U	20 U	2 U	5 U	5 U
4/26/2022	XX	LFXXXXF1D	1 U	20 U	2 U	5 U	5 U
4/18/2023	XX	LFXXXXGJ3	1 U	20 U	2 U	5 U	5 U
10/3/2023	XX	LFXXXX06C	1 U	20 U	2 U	5 U	5 U
4/2/2024	XX	LFXXXX131	1 U	20 U	2 U	5 U	5 U
10/8/2024	XX	LFXXXX1JE	F6	F6	F6	F6	F6

LF-UD-6

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/28/2015	XX	LFUD6X7A0	1 U	20 U		5 U	5 U
4/5/2016	XX	LFUD6X87B	1 U	20 U	5 U	5 U	5 U
4/18/2017	XX	LFUD6X986	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	LFUD6XA3I	1 U	20 U	5 U	5 U	5 U
4/23/2019	XX	LFUD6XB6E	1 U	20 U	5 U	5 U	5 U
4/28/2020	XX	LFUD6XCE5	1 U	20 U	2 U	5 U	5 U
4/6/2021	XX	LFUD6XDD4	1 U	20 U	2 U	5 U	5 U
4/26/2022	XX	LFUD6XF1E	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD6XGJ4	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD6X06D	F6	F6	F6	F6	F6
10/8/2024	XX	LFUD6X1JF	D	D	D	D	D

LF-UD-7

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/28/2015	XX	LFUD7X7A1	F6	F6		F6	F6
4/5/2016	XX	LFUD7X87C	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD7X987	F6	F6	F6	F6	F6
4/3/2018	XX	LFUD7XA3J	F6	F6	F6	F6	F6
4/23/2019	XX	LFUD7XB6F	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD7XCE6	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD7XDD5	H8	H8	H8	H8	H8
4/26/2022	XX	LFUD7XF1F	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD7XGJ5	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD7X06E	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD7X133	D	D	D	D	D
10/8/2024	XX	LFUD7X1JG	F6	F6	F6	F6	F6

LF-UD-8

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/28/2015	XX	LFUD8X7A2	1 U	20 U		5 U	5 U
4/5/2016	XX	LFUD8X87D	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD8X988	1 U	20 U	5 U	5 U	5 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LF-UD-8)

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/3/2018	XX	LFUD8XA40	1 U	20 U	5 U	5 U	5 U
4/23/2019	XX	LFUD8XB6G	1 U	20 U	5 U	5 U	5 U
4/28/2020	XX	LFUD8XCE7	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD8XDD6	F6	F6	F6	F6	F6
4/26/2022	XX	LFUD8XF1G	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD8XGJ6	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD8X06F	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD8X134	D	D	D	D	D
10/8/2024	XX	LFUD8X1JH	D	D	D	D	D
LF-UD-9							
4/5/2016	XX	LFUD9X881	F6	F6	F6	F6	F6
4/18/2017	XX	LFUD9X98F	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	LFUD9XA47	F6	F6	F6	F6	F6
4/23/2019	XX	LFUD9XB73	F6	F6	F6	F6	F6
4/28/2020	XX	LFUD9XCED	F6	F6	F6	F6	F6
4/6/2021	XX	LFUD9XDDA	F6	F6	F6	F6	F6
4/26/2022	XX	LFUD9XF1J	F6	F6	F6	F6	F6
4/18/2023	XX	LFUD9XGJ9	F6	F6	F6	F6	F6
10/3/2023	XX	LFUD9X06H	F6	F6	F6	F6	F6
4/2/2024	XX	LFUD9X136	D	D	D	D	D
10/8/2024	XX	LFUD9X1JJ	D	D	D	D	D
LF-UD-10							
4/3/2018	XX	LFXXXXA48	F6	F6	F6	F6	F6
4/23/2019	XX	LFXXXXB74	F6	F6	F6	F6	F6
4/28/2020	XX	LFXXXXCEE	F6	F6	F6	F6	F6
4/6/2021	XX	LFXXXXDDB	F6	F6	F6	F6	F6
4/26/2022	XX	LFXXXXF23	F6	F6	F6	F6	F6
4/18/2023	XX	LFXXXXGJD	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX06I	F6	F6	F6	F6	F6
4/2/2024	XX	LFXXXX137	D	D	D	D	D
10/8/2024	XX	LFXXXX200	D	D	D	D	D
LF-UD-12+13+14							
4/6/2021	XX	LFX12XDFB	F6	F6	F6	F6	F6
10/3/2023	XX	LFXXXX0A2	F6	F6	F6	F6	F6
LP-UD-1							
4/28/2015	XX	LPUD1X794	F6	F6		F6	F6
4/5/2016	XX	LPUD1X86F	F6	F6	F6	F6	F6
4/18/2017	XX	LPUD1X97A	F6	F6	F6	F6	F6
4/3/2018	XX	LPUD1XA32	F6	F6	F6	F6	F6
4/23/2019	XX	LPUD1XB5I	1 U	20 U	5 U	5 U	5 U
4/28/2020	XX	LPUD1XCDA	F6	F6	F6	F6	F6
4/6/2021	XX	LPUD1XDC9	F6	F6	F6	F6	F6
4/26/2022	XX	LPUD1XF11	F6	F6	F6	F6	F6
4/18/2023	XX	LPUD1XGIB	F6	F6	F6	F6	F6
10/3/2023	XX	LPUD1X061	F6	F6	F6	F6	F6
4/2/2024	XX	LPUD1X12B	F6	F6	F6	F6	F6
10/8/2024	XX	LPUD1X1J4	F6	F6	F6	F6	F6

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LP-UD-2)

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
LP-UD-2							
4/28/2015	XX	LPUD2X795	1 U	20 U		5 U	5 U
4/5/2016	XX	LPUD2X86G	1 U	20 U	5 U	5 U	5 U
4/18/2017	XX	LPUD2X97B	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	LPUD2XA33	1 U	20 U	5 U	5 U	5 U
4/23/2019	XX	LPUD2XB5J	1 U	20 U	5 U	5 U	5 U
4/28/2020	XX	LPUD2XCDB	1 U	20 U	2 U	5 U	5 U
4/6/2021	XX	LPUD2XDCA	1 U	20 U	2 U	5 U	5 U
4/26/2022	XX	LPUD2XF12	1 U	20 U	2 U	5 U	5 U
4/18/2023	XX	LPUD2XGIC	1 U	20 U	2 U	5 U	5 U
10/3/2023	XX	LPUD2X062	1 U	20 U	2 U	5 U	5 U
4/2/2024	XX	LPUD2X12C	1 U	20 U	2 U	5 U	5 U
10/8/2024	XX	LPUD2X1J5	1 U	20 U	2 U	5 U	5 U
MW-04-09A							
2/26/2020	XX	GWX09AC56	1 U	20 U	2 U	5 U	5 U
4/30/2020	XX	GWX09ACC1	1 U	20 U	2 U	5 U	5 U
6/23/2020	XX	GWX09ACGC	1 U	20 U	2 U	5 U	5 U
8/20/2020	XX	GWX09AD1J	1 U	20 U	2 U	5 U	5 U
MW-04-09B							
2/26/2020	XX	GWX09BC57	1 U	20 U	2 U	5 U	5 U
4/30/2020	XX	GWX09BCC2	1 U	20 U	2 U	5 U	5 U
MW06-01							
4/10/2018	XD	GWDP1XA68	1 U	20 U	5 U	5 U	5 U
4/10/2018	XX	GWXXXXA70	1 U	20 U	5 U	5 U	5 U
6/4/2018	XX	GWXXXXA7H	1 U	20 U	5 U	5 U	5 U
MW-08-01							
2/9/2021	XX	GWXXXXDA0	1 U	20 U	2 U	5 U	5 U
4/7/2021	XX	GWXXXXDAJ	1 U	20 U	2 U	5 U	5 U
6/9/2021	XX	GWXXXXDH2	1 U	20 U	2 U	5 U	5 U
8/19/2021	XX	GWXXXXE4G	1 U	20 U	2 U	5 U	5 U
MW-303 & MW12-303R							
6/18/2015	XX	42173-1	1 U	20 U		5 U	5 U
MW-401B							
4/27/2015	XX	GW401B78I	1 U	20 U		5 U	5 U
4/27/2015	XD	GWDP4X791	1 U	20 U		5 U	5 U
4/6/2016	XD	GWDP4X86C	1 U	20 U	5 U	5 U	5 U
4/6/2016	XX	GW401B869	1 U	20 U	5 U	5 U	5 U
4/17/2017	XD	GWDP4X977	1 U	20 U	5 U	5 U	5 U
4/17/2017	XX	GW401B974	1 U	20 U	5 U	5 U	5 U
4/2/2018	XD	GWDP4XA2J	1 U	20 U	5 U	5 U	5 U
4/2/2018	XX	GW401BA2G	1 U	20 U	5 U	5 U	5 U
4/22/2019	XD	GWDP4XB5F	1 U	20 U	5 U	5 U	5 U
4/22/2019	XX	GW401BB5C	1 U	20 U	5 U	5 U	5 U
4/27/2020	XD	GWDP4XCD7	1 U	20 U	2 U	5 U	5 U
4/27/2020	XX	GW401BCD4	1 U	20 U	2 U	5 U	5 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-401B) Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/5/2021	XD	GWDP4XDC6	1 U	20 U	2 U	5 U	5 U
4/5/2021	XX	GW401BDC3	1 U	20 U	2 U	5 U	5 U
4/25/2022	XD	GWDP1XF01	1 U	20 U	2 U	5 U	5 U
4/25/2022	XX	GW401BF0F	1 U	20 U	2 U	5 U	5 U
4/17/2023	XD	GWDP1XGHB	1 U	20 U	2 U	5 U	5 U
4/17/2023	XX	GW401BGI5	1 U	20 U	2 U	5 U	5 U
4/1/2024	XD	GWDP1X11B	1 U	20 U	2 U	5 U	5 U
4/1/2024	XX	GW401B125	1 U	20 U	2 U	5 U	5 U
MW-501							
4/5/2018	XX	GW501XA6I	1 U	20 U	5 U	5 U	5 U
6/4/2018	XX	GW501XA7F	1 U	20 U	5 U	5 U	5 U
MW-502							
2/26/2020	XD	GWDP1XC52	1 U	20 U	2 U	5 U	5 U
2/26/2020	XX	GW502XC55	1 U	20 U	2 U	5 U	5 U
4/30/2020	XX	GW502XCBJ	1 U	20 U	2 U	5 U	5 U
MW-503							
2/9/2021	XX	GW503XD9A	1 U	20 U	2 U	5 U	5 U
4/8/2021	XX	GW503XDA9	1 U	20 U	2 U	5 U	5 U
6/8/2021	XX	GW503XDGC	1 U	20 U	2 U	5 U	5 U
8/19/2021	XX	GW503XE46	1 U	20 U	2 U	5 U	5 U
MW-504							
2/9/2021	XD	GWDP1XD94	1 U	20 U	2 U	5 U	5 U
2/9/2021	XX	GW504XD9B	1 U	20 U	2 U	5 U	5 U
4/7/2021	XX	GW504XDAA	1 U	20 U	2 U	5 U	5 U
6/9/2021	XD	GWDP1XDG9	1 U	20 U	2 U	5 U	5 U
6/9/2021	XX	GW504XDGD	1 U	20 U	2 U	5 U	5 U
8/19/2021	XX	GW504XE47	1 U	20 U	2 U	5 U	5 U
MW-505							
2/10/2021	XX	GW505XD9C	1 U	20 U	2 U	5 U	5 U
4/8/2021	XX	GW505XDAB	1 U	20 U	2 U	5 U	5 U
6/9/2021	XX	GW505XDGE	1 U	20 U	2 U	5 U	5 U
8/18/2021	XX	GW505XE48	1 U	20 U	2 U	5 U	5 U
MW-506							
2/18/2021	XX	GW506XD9D	1 U	20 U	2 U	5 U	5 U
4/8/2021	XX	GW506XDAC	1 U	20 U	2 U	5 U	5 U
6/8/2021	XX	GW506XDGF	F16	F16	F16	F16	F16
7/14/2021	XX	GW506XE38	1 U	20 U	2 U	5 U	5 U
9/1/2021	XX	GW506XE49	1 U	20 U	2 U	5 U	5 U
MW-507							
4/5/2018	XX	GW507XA6J	1 U	20 U	5 U	5 U	5 U
6/5/2018	XX	GW507XA7G	1 U	20 U	5 U	5 U	5 U
8/20/2018	XX	GW507XAFF	1 U	20 U	5 U	5 U	5 U
MW-508							
10/5/2022	XX	GW508XG2E	1 U	20 U	2 U	5 U	5 U

DATA SUMMARY TABLE

Volatile Organic Compounds Group 4 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-508)

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
1/24/2023	XX	GW508XGBF	F	F	F	F	F
3/30/2023	XX	GW508XGH2	1 U	20 U	2 U	5 U	5 U
4/19/2023	XX	GW508XH1H	1 U	20 U	2 U	5 U	5 U
6/19/2023	XX	GW508XH5H	1 U	20 U	2 U	5 U	5 U
OW-06-03							
4/10/2018	XX	GWXXXXA73	1 U	20 U	5 U	5 U	5 U
6/5/2018	XX	GWXXXXA80	I	I	I	I	I
7/19/2018	XX	GWXXXXAEI	I	I	I	I	I
OW-601A							
4/11/2018	XX	GW601AA69	1 U	20 U	5 U	5 U	5 U
6/6/2018	XX	GW601AA76	1 U	20 U	5 U	5 U	5 U
7/19/2018	XX	GW601AAE4	1 U	20 U	5 U	5 U	5 U
OW-601B							
4/11/2018	XX	GW601BA6A	1 U	20 U	5 U	5 U	5 U
6/6/2018	XX	GW601BA77	1 U	20 U	5 U	5 U	5 U
OW-602A							
4/11/2018	XX	GW602AA6B	1 U	20 U	5 U	5 U	5 U
6/6/2018	XD	GWDP1XA75	1 U	20 U	5 U	5 U	5 U
6/6/2018	XX	GW602AA78	1 U	20 U	5 U	5 U	5 U
OW-603B							
4/12/2018	XX	GW603BA6C	1 U	20 U	5 U	5 U	5 U
6/5/2018	XX	GW603BA79	1 U	20 U	5 U	5 U	5 U
OW-604A							
4/12/2018	XX	GW604AA6D	1 U	20 U	5 U	5 U	5 U
6/4/2018	XX	GW604AA7A	1 U	20 U	5 U	5 U	5 U
OW-605A							
4/10/2018	XX	GW605AA6E	1 U	20 U	5 U	5 U	5 U
6/5/2018	XX	GW605AA7B	1 U	20 U	5 U	5 U	5 U
OW-606A							
4/3/2018	XX	GW606AA6F	1 U	20 U	5 U	5 U	5 U
6/4/2018	XX	GW606AA7C	1 U	20 U	5 U	5 U	5 U
OW-606B							
2/9/2021	XX	GW606BD9E	F	F	F	F	F
4/8/2021	XX	GW606BDAD	1 U	20 U	2 U	5 U	5 U
6/8/2021	XX	GW606BDGG	1 U	20 U	2 U	5 U	5 U
7/14/2021	XX	GW606BE37	1 U	20 U	2 U	5 U	5 U
8/18/2021	XX	GW606BE4A	1 U	20 U	2 U	5 U	5 U
OW-607B							
2/9/2021	XX	GW607BD9F	1 U	20 U	2 U	5 U	5 U
4/7/2021	XX	GW607BDAE	1 U	20 U	2 U	5 U	5 U
6/9/2021	XX	GW607BDGH	1 U	20 U	2 U	5 U	5 U
8/19/2021	XX	GW607BE4B	1 U	20 U	2 U	5 U	5 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(OW-608A)

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
OW-608A							
4/4/2018	XX	GW608AA6G	1 U	20 U	5 U	5 U	5 U
6/4/2018	XX	GW608AA7D	1 U	20 U	5 U	5 U	5 U
OW-608B							
2/10/2021	XX	GW608BD9G	1 U	20 U	2 U	5 U	5 U
4/8/2021	XD	GWDP1XDA6	1 U	20 U	2 U	5 U	5 U
4/8/2021	XX	GW608BDAF	1 U	20 U	2 U	5 U	5 U
6/8/2021	XX	GW608BDGI	1 U	20 U	2 U	5 U	5 U
8/17/2021	XD	GWDP1XE43	1 U	20 U	2 U	5 U	5 U
8/17/2021	XX	GW608BE4C	1 U	20 U	2 U	5 U	5 U
OW-609B							
2/10/2021	XX	GW609BD9H	1 U	20 U	2 U	5 U	5 U
4/8/2021	XX	GW609BDAG	1 U	20 U	2 U	5 U	5 U
6/8/2021	XX	GW609BDGJ	1 U	20 U	2 U	5 U	5 U
8/17/2021	XX	GW609BE4D	1 U	20 U	2 U	5 U	5 U
OW-610A							
10/5/2022	XX	GW610AG2F	1 U	20 U	2 U	5 U	5 U
1/24/2023	XX	GW610AGBG	1 U	20 U	2 U	5 U	5 U
4/19/2023	XX	GW610AH1I	1 U	20 U	2 U	5 U	5 U
6/19/2023	XX	GW610AH61	1 U	20 U	2 U	5 U	5 U
OW-611A							
4/4/2018	XX	GW611AA6H	1 U	20 U	5 U	5 U	5 U
6/5/2018	XX	GW611AA7E	1 U	20 U	5 U	5 U	5 U
P-04-07A							
10/3/2022	XX	GWXXXXG2G	1 U	20 U	2 U	5 U	5 U
1/24/2023	XX	GWX07AGBD	F	F	F	F	F
3/30/2023	XD	GWDP1XGGJ	1 U	20 U	2 U	5 U	5 U
3/30/2023	XX	GWX07AGH0	1 U	20 U	2 U	5 U	5 U
4/19/2023	XD	GWDP5XH0A	1 U	20 U	2 U	5 U	5 U
4/19/2023	XX	GWXXXXH1J	1 U	20 U	2 U	5 U	5 U
6/19/2023	XD	GWDP1XH5E	1 U	20 U	2 U	5 U	5 U
6/19/2023	XX	GWX07AH5F	1 U	20 U	2 U	5 U	5 U
P-04-07B							
10/3/2022	XX	GWXXXXG2H	1 U	20 U	2 U	5 U	5 U
1/24/2023	XX	GWX07BGBE	F	F	F	F	F
3/30/2023	XX	GWX07BGH1	1 U	20 U	2 U	5 U	5 U
4/19/2023	XX	GWXXXXH20	1 U	20 U	2 U	5 U	5 U
6/19/2023	XX	GWX07BH5G	1 U	20 U	2 U	5 U	5 U
P-04-11A							
2/10/2021	XX	GWXXXXD9I	1 U	20 U	2 U	5 U	5 U
4/8/2021	XX	GWXXXXDAH	1 U	20 U	2 U	5 U	5 U
6/9/2021	XX	GWXXXXDH0	1 U	20 U	2 U	5 U	5 U
8/18/2021	XX	GWXXXXE4E	1 U	20 U	2 U	5 U	5 U

SME SEVEE & MAHER ENGINEERS

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(P-04-11B)

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
P-04-11B							
2/10/2021	XX	GWXXXXD9J	1 U	20 U	2 U	5 U	5 U
4/8/2021	XX	GWXXXXDAI	1 U	20 U	2 U	5 U	5 U
6/9/2021	XX	GWXXXXDH1	1 U	20 U	2 U	5 U	5 U
8/18/2021	XX	GWXXXXE4F	1 U	20 U	2 U	5 U	5 U
PWS-4							
1/24/2023	XX	PWXX4XGBI	A	A	A	A	A
3/30/2023	XX	PWXX4XGH5	1 U	20 U	2 U	5 U	5 U
4/19/2023	XX	GWXXXXH22	1 U	20 U	2 U	5 U	5 U
6/19/2023	XX	PWXX4XH5J	1 U	20 U	2 U	5 U	5 U
7/13/2023	XX	PWXX4X023	1 U	20 U	2 U	5 U	5 U
10/4/2023	XX	GWXXXX094	1 U	20 U	2 U	5 U	5 U
SW23-4							
1/24/2023	XX	SWXX4XGBH	A	A	A	A	A
3/30/2023	XX	SWXX4XGH4	1 U	20 U	2 U	5 U	5 U
4/19/2023	XX	GWXXXXH23	1 U	20 U	2 U	5 U	5 U
6/19/2023	XX	SWXX4XH5I	1 U	20 U	2 U	5 U	5 U
7/13/2023	XX	SWXX4X022	1 U	20 U	2 U	5 U	5 U
QCBT							
4/27/2015	XX	BTXXXX79E	1 U	20 U		5 U	5 U
4/27/2015	XX	BTXXXX79F	1 U	20 U		5 U	5 U
4/27/2015	XX	BTXXXX79J	1 U	20 U		5 U	5 U
7/15/2015	XX	BTXXXX7DB	1 U	20 U		5 U	5 U
4/5/2016	XX	BTXXXX876	1 U	20 U	5 U	5 U	5 U
4/6/2016	XX	BTXXXX875	1 U	20 U	5 U	5 U	5 U
4/17/2017	XX	BTXXXX985	1 U	20 U	5 U	5 U	5 U
4/18/2017	XX	BTXXXX981	1 U	20 U	5 U	5 U	5 U
4/2/2018	XX	BTXXXXA3C	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	BTXXXXA3H	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	BTXXXXHHD	1 U	20 U	5 U	5 U	5 U
4/4/2018	XX	BTXXXXA5F	1 U	20 U	5 U	5 U	5 U
4/5/2018	XX	BTXXXXA71	1 U	20 U	5 U	5 U	5 U
4/10/2018	XX	BTXXXXA72	1 U	20 U	5 U	5 U	5 U
4/11/2018	XX	BTXXXXHHB	1 U	20 U	5 U	5 U	5 U
4/12/2018	XX	BTXXXXHHC	1 U	20 U	5 U	5 U	5 U
6/4/2018	XX	BTXXXXA74	1 U	20 U	5 U	5 U	5 U
6/5/2018	XX	BTXXXXA7I	1 U	20 U	5 U	5 U	5 U
6/6/2018	XX	BTXXXXA7J	1 U	20 U	5 U	5 U	5 U
7/19/2018	XX	BTXXXXAE2	1 U	20 U	5 U	5 U	5 U
8/20/2018	XX	BTXXXXAF3	1 U	20 U	5 U	5 U	5 U
4/22/2019	XX	BTXXXXB6D	1 U	20 U	5 U	5 U	5 U
4/23/2019	XX	BTXXXXB69	1 U	20 U	5 U	5 U	5 U
2/26/2020	XX	BTXXXXC5G	1 U	20 U	2 U	5 U	5 U
4/27/2020	XX	BTXXXXCDJ	1 U	20 U	2 U	5 U	5 U
4/28/2020	XX	BTXXXXCE0	1 U	20 U	2 U	5 U	5 U
4/30/2020	XX	BTXXXXCC3	1 U	20 U	2 U	5 U	5 U
6/23/2020	XX	BTXXXXCGE	1 U	20 U	2 U	5 U	5 U

SME SEVEE & MAHER ENGINEERS

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
8/20/2020	XX	BTXXXXD21	1 U	20 U	2 U	5 U	5 U
2/9/2021	XX	BTXXXXD98	1 U	20 U	2 U	5 U	5 U
2/10/2021	XX	BTXXXXD99	1 U	20 U	2 U	5 U	5 U
2/18/2021	XX	BTXXXXDA5	1 U	20 U	2 U	5 U	5 U
4/5/2021	XX	BTXXXXDCI	1 U	20 U	2 U	5 U	5 U
4/6/2021	XX	BTXXXXDCJ	1 U	20 U	2 U	5 U	5 U
4/7/2021	XX	BTXXXXDA7	1 U	20 U	2 U	5 U	5 U
4/8/2021	XX	BTXXXXDA8	1 U	20 U	2 U	5 U	5 U
6/8/2021	XX	BTXXXXDGA	1 U	20 U	2 U	5 U	5 U
6/9/2021	XX	BTXXXXDGB	1 U	20 U	2 U	5 U	5 U
7/14/2021	XX	BTXXXXE1F	1 U	20 U	2 U	5 U	5 U
8/17/2021	XX	BTXXXXE44	1 U	20 U	2 U	5 U	5 U
8/18/2021	XX	BTXXXXE45	1 U	20 U	2 U	5 U	5 U
8/19/2021	XX	BTXXXXE50	1 U	20 U	2 U	5 U	5 U
9/1/2021	XX	BTXXXXE51	1 U	20 U	2 U	5 U	5 U
4/25/2022	XX	BTXXXXF2B	1 U	20 U	2 U	5 U	5 U
4/26/2022	XX	BTXXXXF3J	1 U	20 U	2 U	5 U	5 U
10/3/2022	XX	BTXXXXG0A	1 U	20 U	2 U	5 U	5 U
10/5/2022	XX	BTXXXXG1G	1 U	20 U	2 U	5 U	5 U
1/24/2023	XX	BTXXXXGBB	1 U	20 U	2 U	5 U	5 U
3/30/2023	XX	BTXXXXGGI	1 U	20 U	2 U	5 U	5 U
4/17/2023	XX	BTXXXXGJ0	1 U	20 U	2 U	5 U	5 U
4/18/2023	XX	BTXXXXH01	1 U	20 U	2 U	5 U	5 U
4/19/2023	XX	BTXXXXI9C	1 U	20 U	2 U	5 U	5 U
6/19/2023	XX	BTXXXXH5D	1 U	20 U	2 U	5 U	5 U
7/13/2023	XX	BTXXXX01D	1 U	20 U	2 U	5 U	5 U
10/2/2023	XX	BTXXXX076	1 U	20 U	2 U	5 U	5 U
10/4/2023	XX	BTXXXX08C	1 U	20 U	2 U	5 U	5 U
4/1/2024	XX	BTXXXX13F	1 U	20 U	2 U	5 U	5 U
4/2/2024	XX	BTXXXX151	1 U	20 U	2 U	5 U	5 U
10/8/2024	XX	BTXXXX208	1 U	20 U	2 U	5 U	5 U

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	1,2-Dichloro benzene	Acrylonitrile	Diethyl ether	trans-1,4-Dichloro-2-butene	Iodomethane
			ug/L	ug/L	ug/L	ug/L	ug/L

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

- A - The sampling location was inaccessible.
- D - The sampling location was dry.
- F - The sampling location was frozen.
- F16 - Could not pump water to surface for testing/sampling
- F6 - No flow. Sample not taken.
- H8 - No flow from pipe. See LF-COMP for readings
- I - The sampling location yielded insufficient quantity to collect a sample.
- U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 1/7/2025 14:36 FOR: Juniper Ridge Landfill DATE RANGE: 1/1/2015 - 12/31/2024	DATA SUMMARY TABLE Leachate - Field Data	SME SEVEE & MAHER ENGINEERS	Page 1 of 2 SEVEE & MAHER ENGINEERS, INC. 4 BLANCHARD ROAD CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Eh mV	Dissolved Oxygen mg/L	Turbidity (field) NTU	Flow Rate cfs
LT-C4L & LT-C4LR									
4/28/2015	XX	LTC4LX78C	22600	7.5	12.1	-151	D2	D3	
7/15/2015	XX	LTC4LX7C4	21500	6.9	22.7	-178	D2	D3	
10/27/2015	XX	LTC4LX7HD	29100	7.6	9.4	-133	D2	D3	
4/5/2016	XX	LTC4LX863	19950	5.5	10.9	100	D2	D3	
7/26/2016	XX	LTC4LX8AD	29200	6.3	27.1	-6	D2	D3	
10/25/2016	XX	LTC4LX8IC	25800	6.3	14.7	113	D2	1416	
4/18/2017	XX	LTC4LX96I	26400	6.3	12.7	-102	D2	1009	
7/25/2017	XX	LTC4LX9CG	25900	7.3	20.8	-141	D2	156	
10/24/2017	XX	LTC4LX9GB	29800	7.6	22.2	-12	D2	126	
4/3/2018	XX	LTC4LXA2A	11520	7	12.7	-41	D2	198	
7/17/2018	XX	LTC4LXABB	26000	7.2	23.1	-127	D2	190	
10/2/2018	XX	LTC4LXB09	23000	7.5	15.4	-76	D2	7.84	
4/23/2019	XX	LTC4LXB56	13730	7	9.6	-6	7.5	1733	
7/16/2019	XX	LTC4LXBBI	21908	7.1	26.1	7	D2	609	
10/29/2019	XX	LTC4LXBHB	18730	7.1	15.2	-59	D2	1407	
4/28/2020	XX	LTC4LXCCI	17490	6.6	12.6	-20	2.8	D3	
7/21/2020	XX	LTC4LXCHB	25800	5.9	29	-311	1.1	D3	
10/27/2020	XX	LTC4LXD2F	21900	7.5	12.8	-299	D2	741	
4/6/2021	XX	LTC4LXDBH	17300	7.4	13	52	2.2	D3	
7/13/2021	XX	LTC4LXDJ9	21200	7.2	23.9	-71	0.5	D3	
10/5/2021	XX	LTC4LXE5H	18480	7.2	25.1	-41	0.9	4.4	
5/26/2022	XX	LTC4LXF09	18909	7.5	22.1	46	0.2	D3	
7/19/2022	XX	LTC4LXF87	22260	6.8	26.4	-98	FK	D3	
10/4/2022	XX	LTC4LXFI8	21263	6.7	16.3	-62	0.3	D3	0.0071
4/18/2023	XX	LTC4LXGHJ	20000	7.5	13.1	-113	1.3	D3	0.0071
7/11/2023	XX	LTC4LXH81	19380	7.1	25.2	-135	0.3	66.5	0.0071
10/2/2023	XX	LTC4LX059	17673	6.8	23.4	-108	0.1	D3	0.0071
4/2/2024	XX	LTC4LX11J	12151	7.1	13.5	-39	0.4	D3	0.0071
7/16/2024	XX	LTC4LX1D1	18034	7	27.5	-40	0.5	D3	0.0071
7/18/2024	XX	LTC4LX1H9	19800	6.9	31.9	-50	0.1	D3	0.0071
10/8/2024	XX	LTC4LX1IC	22146	6.8	19.6	-46	0.1	D3	0.0071

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)			Specific Conductance	pH	Temperature	Eh	Dissolved Oxygen	Turbidity (field)	Flow Rate
Date	Type	Sample ID	µmhos/cm @25°C	STU	Deg C	mV	mg/L	NTU	cfs

Units Abbreviations:

- µmhos/cm @25°C - MICROSIEMENS PER CENTIMETER
- cfs - CUBIC FEET PER SECOND
- Deg C - DEGREES CELCIUS (TEMPERATURE)
- mg/L - MILLIGRAMS PER LITER
- mV - MILLIVOLTS
- NTU - NEPHELOMETRIC TURBIDITY UNIT (TURBIDITY)
- STU - STANDARD PH UNIT

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

- D2 - Sample too dark to read D.O. reading.
- D3 - Sample too dark to take reading.
- FK - Outside range of available field kits.

REPORT PREPARED: 1/7/2025 14:29

FOR: Juniper Ridge Landfill

DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Leachate - Inorganics Group 1 of 2

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

LT-C4L & LT-C4LR

Date	Type	Sample ID	Total Kjeldahl Nitrogen mg/L	Ammonia (N) mg/L	Nitrate (N) mg/L	Total Phosphorus mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Sulfate mg/L	Sulfide mg/L	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate Alkalinity (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Nitrite/Nitrate - (N) mg/L	Chemical Oxygen Demand mg/L
4/28/2015	XX	LTC4LX78C	800	636	48 U		10080	38	320 U	40	1738	3560	3560	580	1284		2955
7/15/2015	XX	LTC4LX7C4				2.93	17940	40	800			4710		373		10 U	
10/27/2015	XX	LTC4LX7HD				2.99	15800	17	2670			3850		363		3 U	
4/5/2016	XX	LTC4LX863	680	554	30 U		11850	119	205	16	2910	2800	2800	1426	2700		5000
7/26/2016	XX	LTC4LX8AD	550				16460	125	970			3850		1900		0.3 U	
10/25/2016	XX	LTC4LX8IC	990				14380	60	1780			3490		1150		0.05 U	
4/18/2017	XX	LTC4LX96I	1100	830	190		12732	30	640	31	2000	3700	3700	1200	890		3200
7/25/2017	XX	LTC4LX9CG	1300				15448	34	1500			4100		680		0.1 U	
10/24/2017	XX	LTC4LX9GB	1000				15836	13	2700			3400		480		0.1 U	
4/3/2018	XX	LTC4LXA2A	610	520	260		7956	25	1100	11	1400	2200	2200	360	320		1600
7/17/2018	XX	LTC4LXABB	1400				13	42	600 U			3600		450		0.5 U	
10/2/2018	XX	LTC4LXB09	1000				12960	29	2900			2900		430		0.05 U	
4/23/2019	XX	LTC4LXB56	470	330	240		8744	40	2200	29	2300	1900	1900	110	760		1400
7/16/2019	XX	LTC4LXBBI	780				12152	180	2000			3000		480		0.5 U	
10/29/2019	XX	LTC4LXBHB	660				9832	48	1900			2600		570		0.073	
4/28/2020	XX	LTC4LXCCI	730	590	210		10160	48	1300	16	1700	2400	2400	880	200		1700
7/21/2020	XX	LTC4LXCHB	780				14610	8	2000			3100		500		0.2	
10/27/2020	XX	LTC4LXD2F	660				10940	29	120			2700		1100 M10		0.05 U	
4/6/2021	XX	LTC4LXDBH	710	600	310		9970	7	1600	4.5	1300	2300	2300	330	150		1700
7/13/2021	XX	LTC4LXDJ9	660				12000	7	500 U			2900		520		0.3 U	
10/5/2021	XX	LTC4LXE5H	890				11040	4.5	32			2800		450		0.05 U	
5/26/2022	XX	LTC4LXF09	970	750	30 U		12340	40	200 U	3.5	1500	3300	3300	430	150		2300
7/19/2022	XX	LTC4LXF87	990				13120	8	20 U			3500		470		0.2 U	
10/4/2022	XX	LTC4LXFI8	1000				11000	16	50			3100		370		0.15	
4/18/2023	XX	LTC4LXGHJ	940	720	7.5 U		11760	10	78	18	1500	3300	3300	530	220		2200
7/11/2023	XX	LTC4LXH81	910				12160	10	100 U			3300		480		0.3 U	
10/2/2023	XX	LTC4LX059	810				10010	2.5 U	43			3400		490		0.3 U	
4/2/2024	XX	LTC4LX11J	490				6930	8.3 U	330			2400		580		0.082	
7/16/2024	XX	LTC4LX1D1	720	630	6 U		9590	25 U	70	22	1400	3200	3200	420	160		2000
10/8/2024	XX	LTC4LX1IC	1100				12710	8.3 U	32			390		490		0.3 U	

Units Abbreviations:

mg/L - MILLIGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

M10 - Due to a identified laboratory instrumentation malfunction, this analytical result is likely elevated–the laboratory has fixed the issue.
U - Not Detected above the laboratory reporting limit.

DATA SUMMARY TABLE

Leachate - Inorganics Group 2 of 2

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

LT-C4L & LT-C4LR

Date	Type	Sample ID	Chloride mg/L	Bromide mg/L	Cyanide ug/L
4/28/2015	XX	LTC4LX78C	5420	57	5 U
7/15/2015	XX	LTC4LX7C4	11600	10 U	
10/27/2015	XX	LTC4LX7HD	16100	30 U	
4/5/2016	XX	LTC4LX863	5910	84.1	5 U
7/26/2016	XX	LTC4LX8AD	11100	72.7	
10/25/2016	XX	LTC4LX8IC	16100	120	
4/18/2017	XX	LTC4LX96I	12000	75	74
7/25/2017	XX	LTC4LX9CG	12000	72	
10/24/2017	XX	LTC4LX9GB	14000	20 U	
4/3/2018	XX	LTC4LXA2A	9300	52	43
7/17/2018	XX	LTC4LXABB	8100	83	
10/2/2018	XX	LTC4LXB09	15000	63	
4/23/2019	XX	LTC4LXB56	12000	83	17
7/16/2019	XX	LTC4LXBBI	14000	40 U	
10/29/2019	XX	LTC4LXBHB	11000	47	
4/28/2020	XX	LTC4LXCCI	8300	52	5 U
7/21/2020	XX	LTC4LXCHB	13000	120	
10/27/2020	XX	LTC4LXD2F	7400	77	
4/6/2021	XX	LTC4LXDBH	9900	66	5 U
7/13/2021	XX	LTC4LXDJ9	6800	59	
10/5/2021	XX	LTC4LXE5H	4800	41	
5/26/2022	XX	LTC4LXF09	5700	69	430
7/19/2022	XX	LTC4LXF87	6600	75	
10/4/2022	XX	LTC4LXFI8	5700	84	
4/18/2023	XX	LTC4LXGHJ	5000	71	810
7/11/2023	XX	LTC4LXH81	5000	63	
10/2/2023	XX	LTC4LX059	3900	53	
4/2/2024	XX	LTC4LX11J	2500	31	
7/16/2024	XX	LTC4LX1D1	4200	52	450
10/8/2024	XX	LTC4LX1IC	5700	82	

Units Abbreviations:

mg/L - MILLIGRAMS PER LITER
ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 2/25/2025 10:29 FOR: Juniper Ridge Landfill DATE RANGE: 1/1/2015 - 12/31/2024	DATA SUMMARY TABLE Leachate - Metal Parameters Group 1 of 2	SME SEVEE & MAHER ENGINEERS	Page 1 of 1 SEVEE & MAHER ENGINEERS, INC. 4 BLANCHARD ROAD CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

LT-C4L & LT-C4LR

Date	Type	Sample ID	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L
4/28/2015	XX	LTC4LX78C	0.556	0.026	0.209	1.316	0.0012	0.0161	259	0.093	0.034	0.047	11	0.095	265	1.8	0.0005 U
7/15/2015	XX	LTC4LX7C4			0.287				393				9.7		431	1.9	
10/27/2015	XX	LTC4LX7HD			0.29				318				5.9		307	1.6	
4/5/2016	XX	LTC4LX863	0.231	0.005 U	0.157	1.304	0.0006 U	0.0007	656	0.105	0.015	0.003 U	60.3	0.004	309	15.9	0.0005 U
7/26/2016	XX	LTC4LX8AD			0.331				686				44.3		411	7.5	
10/25/2016	XX	LTC4LX8IC			0.403				541				21.7		307	5.95	
4/18/2017	XX	LTC4LX96I	0.72	0.025 U	0.54	1.5	0.003 U	0.003 U	300	0.025 U	0.05 U	0.015 U	8.5	0.03 U	300	1.8	0.0005 U
7/25/2017	XX	LTC4LX9CG			0.6				300				6.7		350	1.5	
10/24/2017	XX	LTC4LX9GB			0.34				310				5.4		310	2.5 U	
4/3/2018	XX	LTC4LXA2A	0.65	0.025 U	0.33	0.77	0.003 U	0.0037	260	0.09	0.05 U	0.015 U	9	0.015 U	190	2.2	0.0005 U
7/17/2018	XX	LTC4LXABB			0.39				300				9.4		280	2.4	
10/2/2018	XX	LTC4LXB09			0.3				290				7.8		270	2.2	
4/23/2019	XX	LTC4LXB56	0.52	0.005 U	0.14	0.86	0.0006 U	0.0006 U	560	0.078	0.01 U	0.023	17	0.007	230	10	0.0005 U
7/16/2019	XX	LTC4LXBBI			0.24				510				5.1		310	4.4	
10/29/2019	XX	LTC4LXBHB			0.23				350				12		280	4.1	
4/28/2020	XX	LTC4LXCCI	0.54	0.005 U	0.25	0.94	0.0006 U	0.0053	300	0.1	0.01 U	0.003 U	6	0.003 U	220	1.7	0.0005 U
7/21/2020	XX	LTC4LXCHB			0.33				310				3.5		340	1.3	
10/27/2020	XX	LTC4LXD2F			0.24				310				7.5		250	14	
4/6/2021	XX	LTC4LXDBH	0.45	0.006	0.2	1.1	0.0033	0.025	240	0.13	0.044	0.093	5	0.035	170	3.1	0.0005 U
7/13/2021	XX	LTC4LXDJ9			0.35				240				5		210	2.2	
10/5/2021	XX	LTC4LXE5H			0.45				200				3.1		200	1.7	
5/26/2022	XX	LTC4LXF09	1.4	0.005 U	0.4	1	0.0012 U	0.0055	250	0.21	0.011	0.0059	12	0.006 U	200	16	Y
7/19/2022	XX	LTC4LXF87			0.42				230				5.8		230	2.2	
10/4/2022	XX	LTC4LXFI8			0.33				250				6.6		220	2.8	
4/18/2023	XX	LTC4LXGHJ	0.81	0.021	0.42	1.1	0.0006 U	0.0065	260	0.29	0.011	0.007	3.2	0.0035	210	1.8	0.0005 U
7/11/2023	XX	LTC4LXH81			0.43				290				2.9		200	2.1	
10/2/2023	XX	LTC4LX059			0.25				290				8.8		200	5.8	
4/2/2024	XX	LTC4LX11J			0.19				370				5.8		140	3.6	
7/16/2024	XX	LTC4LX1D1	0.53	0.035	0.24	0.9	0.001 U	0.0044	260	0.22	0.01	0.0072	4.2	0.027	190	2.2	0.0005 U
10/8/2024	XX	LTC4LX1IC			0.37				200				2.8		190	1.3	

Units Abbreviations:

mg/L - MILLIGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.
Y - Laboratory error, results not available.

DATA SUMMARY TABLE

Leachate - Metal Parameters Group 2 of 2

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

LT-C4L & LT-C4LR

Date	Type	Sample ID	Nickel mg/L	Potassium mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Vanadium mg/L	Zinc mg/L	Tin mg/L
4/28/2015	XX	LTC4LX78C	0.141	1118	0.052	0.0021	3401	0.008 U	0.063	0.258	0.157
7/15/2015	XX	LTC4LX7C4		1845			8135				
10/27/2015	XX	LTC4LX7HD		1247			5081				
4/5/2016	XX	LTC4LX863	0.096	954	0.005 U	0.0011 U	1681	0.004 U	0.024	0.136	0.015 U
7/26/2016	XX	LTC4LX8AD		1498			2687				
10/25/2016	XX	LTC4LX8IC		1131			2288				
4/18/2017	XX	LTC4LX96I	0.027	1261	0.098	0.0055 U	3000	0.02 U	0.1	0.031	0.075 U
7/25/2017	XX	LTC4LX9CG		1300			3100				
10/24/2017	XX	LTC4LX9GB		1300			2600				
4/3/2018	XX	LTC4LXA2A	0.025 U	740	0.043	0.2	1500	0.02 U	0.05 U	0.051	0.075 U
7/17/2018	XX	LTC4LXABB		1200			2700				
10/2/2018	XX	LTC4LXB09		1100			2400				
4/23/2019	XX	LTC4LXB56	0.022	580	0.017	0.001 U	1300	0.004 U	0.016	0.093	0.015 U
7/16/2019	XX	LTC4LXBBI		1000			2200				
10/29/2019	XX	LTC4LXBHB		870			1900				
4/28/2020	XX	LTC4LXCCI	0.035	790	0.022	0.001 U	1700	0.004 U	0.039	0.046	0.016
7/21/2020	XX	LTC4LXCHB		1400			2800				
10/27/2020	XX	LTC4LXD2F		900			2000				
4/6/2021	XX	LTC4LXDBH	0.064	740	0.046	0.001 U	1600	0.025	0.031	0.051	0.015 U
7/13/2021	XX	LTC4LXDJ9		930			2200				
10/5/2021	XX	LTC4LXE5H		870			2000				
5/26/2022	XX	LTC4LXF09	0.043	1100	0.0082	0.0026	2400	0.004 U	0.01 U	0.014	0.047
7/19/2022	XX	LTC4LXF87		1100			2500				
10/4/2022	XX	LTC4LXFI8		1000			2100				
4/18/2023	XX	LTC4LXGHJ	0.071	1000	0.011	0.001 U	2500	0.004 U	0.056	0.053	0.015 U
7/11/2023	XX	LTC4LXH81		1000			2400				
10/2/2023	XX	LTC4LX059		760			2000				
4/2/2024	XX	LTC4LX11J		500			1200				
7/16/2024	XX	LTC4LX1D1	0.054	820	0.0053	0.0013	2000	0.004 U	0.062	0.047	0.041
10/8/2024	XX	LTC4LX1IC		890			2100				

Units Abbreviations:

mg/L - MILLIGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

DATA SUMMARY TABLE

Leachate - Volatile Organic Compounds Group 1 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	20 U	20 U	20 U	50 U	50 U	2400	20 U	10 U	10 U	10 U	10 U	10 U	4400	10 U	10 U
7/15/2015	XX	LTC4LX7C4	20 U	20 U	20 U	50 U	50 U	1400	20 U	10 U	10 U	10 U	10 U	10 U	2000	10 U	10 U
10/27/2015	XX	LTC4LX7HD	20 U	20 U	20 U	50 U	50 U	1200	20 U	10 U	10 U	10 U	10 U	10 U	1300	10 U	10 U
4/5/2016	XX	LTC4LX863	20 U	20 U	20 U	50 U	50 U	2300	20 U	10 U	10 U	10 U	10 U	10 U	5900	10 U	10 U
7/26/2016	XX	LTC4LX8AD	20 U	20 U	20 U	50 U	50 U	2800	20 U	10 U	10 U	10 U	10 U	10 U	8000	10 U	10 U
10/25/2016	XX	LTC4LX8IC	2 U	2 U	2 U	5 U	5 U	2500	5 U	1 U	2 U	2 U	2 U	5	4800	2 U	2 U
4/18/2017	XX	LTC4LX96I	2 U	2 U	2 U	5 U	5 U	1900	2 U	1 U	1 U	1 U	1 U	1 U	2500	1 U	1 U
7/25/2017	XX	LTC4LX9CG	2 U	2 U	2 U	5 U	5 U	1100	2 U	1 U	1 U	1 U	1 U	4	1400	1 U	1 U
10/24/2017	XX	LTC4LX9GB	2 U	2 U	2 U	5 U	5 U	800	2 U	1 U	1 U	1 U	1 U	2	800	1 U	1 U
4/3/2018	XX	LTC4LXA2A	2 U	2 U	2 U	5 U	5.3	1700	2 U	1 U	1 U	1 U	1 U	6.1	1700	1 U	1 U
7/17/2018	XX	LTC4LXABB	2 U	2 U	2 U	5 U	5 U	230	2 U	1 U	1 U	1 U	1 U	1 U	210	1 U	1 U
10/2/2018	XX	LTC4LXB09	20 U	20 U	20 U	50 U	50 U	1000	20 U	10 U	10 U	10 U	10 U	10 U	970	10 U	10 U
4/23/2019	XX	LTC4LXB56	40 U	40 U	40 U	100 U	100 U	2000	40 U	20 U	20 U	20 U	20 U	20 U	2000	20 U	20 U
7/16/2019	XX	LTC4LXBBI	20 U	20 U	20 U	50 U	50 U	1200	20 U	10 U	10 U	10 U	10 U	10 U	1000	10 U	10 U
10/29/2019	XX	LTC4LXBHB	20 U	20 U	20 U	50 U	50 U	2100	20 U	10 U	10 U	10 U	10 U	10 U	2100	10 U	10 U
4/28/2020	XX	LTC4LXCCI	20 U	20 U	10 U	20 U	10 U	1200	20 U	5 U	10 U	10 U	10 U	10 U	1000	10 U	10 U
7/21/2020	XX	LTC4LXCHB	2 U	2 U	1 U	2 U	1.2	560	2 U	0.5 U	1 U	1 U	1 U	1.8	300	1 U	1 U
10/27/2020	XX	LTC4LXD2F	20 U	20 U	10 U	20 U	30	1700	20 U	5 U	10 U	10 U	10 U	10 U	2100	10 U	10 U
4/6/2021	XX	LTC4LXDBH	2 U	2 U	1 U	2 U	1.1	970	2 U	0.5 U	1 U	1 U	1 U	2.7	770	1 U	1 U
7/13/2021	XX	LTC4LXDJ9	2 U	2 U	1 U	2 U	1 U	800	3.6	0.5 U	1 U	1 U	1 U	1 U	660	1 U	1 U
10/5/2021	XX	LTC4LXE5H	2 U	2 U	1 U	2 U	1.9	450	2 U	0.5 U	1 U	1 U	1 U	1.7	340	1 U	1 U
5/26/2022	XX	LTC4LXF09	2 U	2 U	1 U	2 U	1 U	260	2 U	0.5 U	1 U	1 U	1 U	1.8	180	1 U	1 U
7/19/2022	XX	LTC4LXF87	2 U	2 U	1 U	2 U	1 U	100	2 U	0.5 U	1 U	1 U	1 U	1.8	92	1 U	1 U
10/4/2022	XX	LTC4LXFI8	2 U	2 U	1 U	2 U	1 U	210	2 U	0.5 U	1 U	1 U	1 U	2.7	200	1 U	1 U
4/18/2023	XX	LTC4LXGHJ	2 U	2 U	1.5	2 U	1 U	1300	2 U	0.5 U	1 U	1 U	1 U	2	900	1 U	1 U
7/11/2023	XX	LTC4LXH81	2 U	2 U	1 U	2 U	1 U	430	2 U	0.5 U	1 U	1 U	1 U	2.4	300	1 U	1 U
10/2/2023	XX	LTC4LX059	2 U	2 U	1 U	2 U	30	930	2 U	0.5 U	1	5.3	1 U	5.3	780	1 U	1 U
4/2/2024	XX	LTC4LX11J	2 U	2 U	1 U	2 U	1.2	1300	2 U	0.5 U	1 U	1 U	1 U	3.4	1100	1 U	1 U
7/18/2024	XX	LTC4LX1H9	2 U	2 U	1.1	2 U	1 U	720	2 U	0.5 U	1 U	1 U	1 U	2.2	550	1 U	1 U
10/8/2024	XX	LTC4LX1IC	2 U	2 U	1.6	2 U	1 U	820	2 U	0.5 U	1 U	1 U	1 U	2.4	560	1 U	1 U
QCBT																	
4/27/2015	XX	BTXXXX79E	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/27/2015	XX	BTXXXX79F	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/27/2015	XX	BTXXXX79J	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
7/15/2015	XX	BTXXXX7DB	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
10/27/2015	XX	BTXXXX7II	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
7/26/2016	XX	BTXXXX8BF	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
10/25/2016	XX	BTXXXX8JE	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
4/18/2017	XX	BTXXXX980	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/25/2017	XX	BTXXXX9DI	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/24/2017	XX	BTXXXX9HD	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/3/2018	XX	BTXXXXHG3	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/17/2018	XX	BTXXXXACD	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/2/2018	XX	BTXXXXB1B	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/23/2019	XX	BTXXXXB68	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/16/2019	XX	BTXXXXBCJ	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/29/2019	XX	BTXXXXBIC	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

REPORT PREPARED: 1/7/2025 14:26 FOR: Juniper Ridge Landfill DATE RANGE: 1/1/2015 - 12/31/2024	DATA SUMMARY TABLE Leachate - Volatile Organic Compounds Group 1 of 4	SME SEVEE & MAHER ENGINEERS	Page 2 of 2 SEVEE & MAHER ENGINEERS, INC. 4 BLANCHARD ROAD CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L	Carbon Tetrachloride ug/L
4/28/2020	XX	BTXXXXCE4	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/21/2020	XX	BTXXXXCIC	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/27/2020	XX	BTXXXXD3G	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/6/2021	XX	BTXXXXDDJ	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/13/2021	XX	BTXXXXE0B	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/5/2021	XX	BTXXXXE6I	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
5/26/2022	XX	BTXXXXF1A	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/19/2022	XX	BTXXXXFE7	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/4/2022	XX	BTXXXXFJ9	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/18/2023	XX	BTXXXXH24	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/11/2023	XX	BTXXXXH92	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/2/2023	XX	BTXXXX076	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4/2/2024	XX	BTXXXX151	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
7/18/2024	XX	BTXXXXI9E	2 U	2 U	0.2 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/8/2024	XX	BTXXXX208	2 U	2 U	1 U	2 U	1 U	10 U	2 U	0.5 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 1/7/2025 14:26

FOR: Juniper Ridge Landfill

DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Leachate - Volatile Organic Compounds Group 2 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

Date	Type	Sample ID	Vinyl Acetate	Bromo dichloro methane	1,2-Dichloro propane	cis-1,3-Dichloro propene	Trichloroethene	Dibromo chloromethane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloro propene	Bromoform	4-Methyl-2-Pentanone	2-Hexanone	Tetrachloro ethene	1,1,2,2-Tetrachloro ethane	Toluene
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	100 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	100 U	100 U	10 U	10 U	10
7/15/2015	XX	LTC4LX7C4	100 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	100 U	100 U	10 U	10 U	10
10/27/2015	XX	LTC4LX7HD	100 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	100 U	100 U	10 U	10 U	10
4/5/2016	XX	LTC4LX863	100 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	100 U	100 U	10 U	10 U	20
7/26/2016	XX	LTC4LX8AD	100 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	100 U	100 U	10 U	10 U	20
10/25/2016	XX	LTC4LX8IC	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	2	2 U	2 U	50	20	2 U	2 U	17
4/18/2017	XX	LTC4LX96I	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	4	0.5 U	2 U	40	10 U	1 U	1 U	14
7/25/2017	XX	LTC4LX9CG	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	5	0.5 U	2 U	30	10 U	1 U	1 U	19
10/24/2017	XX	LTC4LX9GB	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	2	0.5 U	2 U	20	10 U	1 U	1 U	6
4/3/2018	XX	LTC4LXA2A	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	5.6	0.5	2 U	35	10 U	1 U	1 U	26
7/17/2018	XX	LTC4LXABB	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1	0.5 U	2 U	10 U	10 U	1 U	1 U	4.4
10/2/2018	XX	LTC4LXB09	100 U	5 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	20 U	100 U	100 U	10 U	10 U	26
4/23/2019	XX	LTC4LXB56	200 U	10 U	20 U	10 U	20 U	20 U	20 U	20 U	10 U	40 U	200 U	200 U	20 U	20 U	25
7/16/2019	XX	LTC4LXBBI	100 U	5 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	20 U	100 U	100 U	10 U	10 U	16
10/29/2019	XX	LTC4LXBHB	100 U	5 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	20 U	100 U	100 U	10 U	10 U	53
4/28/2020	XX	LTC4LXCCI	100 U	5 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	20 U	100 U	100 U	10 U	10 U	26
7/21/2020	XX	LTC4LXCHB	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	5	0.5 U	2 U	20	10 U	1 U	1 U	16
10/27/2020	XX	LTC4LXD2F	100 U	5 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	20 U	100 U	100 U	10 U	10 U	24
4/6/2021	XX	LTC4LXDBH	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	4.9	0.5 U	2 U	33	16	1 U	1 U	24
7/13/2021	XX	LTC4LXDJ9	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	5.5	0.5 U	2 U	22	10 U	1 U	1 U	28
10/5/2021	XX	LTC4LXE5H	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	3.7	0.5 U	2 U	19	10 U	1 U	1 U	17
5/26/2022	XX	LTC4LXF09	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	3.7	0.5 U	2 U	21	10 U	1 U	1 U	37
7/19/2022	XX	LTC4LXF87	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	3.8	0.5 U	2 U	12	10 U	1 U	1 U	74
10/4/2022	XX	LTC4LXFI8	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	4.8	0.5 U	2 U	10 U	10 U	1 U	1 U	16
4/18/2023	XX	LTC4LXGHJ	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	6.6	0.5 U	2 U	46	10 U	1 U	1 U	33
7/11/2023	XX	LTC4LXH81	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	6.2	0.5 U	2 U	27	10 U	1 U	1 U	30
10/2/2023	XX	LTC4LX059	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	5.5	0.5 U	2 U	33	10 U	1.3	1 U	48
4/2/2024	XX	LTC4LX11J	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	4.6	0.5 U	2 U	28	10 U	1 U	1 U	56
7/18/2024	XX	LTC4LX1H9	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	4.1	0.5 U	2 U	18	10 U	1 U	1 U	29
10/8/2024	XX	LTC4LX1IC	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	7.7	0.5 U	2 U	19	10 U	1 U	1 U	29
QCBT																	
4/27/2015	XX	BTXXXX79E	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/27/2015	XX	BTXXXX79F	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/27/2015	XX	BTXXXX79J	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
7/15/2015	XX	BTXXXX7DB	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
10/27/2015	XX	BTXXXX7II	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
7/26/2016	XX	BTXXXX8BF	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
10/25/2016	XX	BTXXXX8JE	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U	1 U
4/18/2017	XX	BTXXXX980	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/25/2017	XX	BTXXXX9DI	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/24/2017	XX	BTXXXX9HD	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/3/2018	XX	BTXXXXHG3	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/17/2018	XX	BTXXXXACD	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/2/2018	XX	BTXXXXB1B	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/23/2019	XX	BTXXXXB68	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/16/2019	XX	BTXXXXBCJ	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/29/2019	XX	BTXXXXBIC	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U

DATA SUMMARY TABLE

Leachate - Volatile Organic Compounds Group 2 of 4

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	Vinyl Acetate ug/L	Bromo dichloro methane ug/L	1,2-Dichloro propane ug/L	cis-1,3-Dichloro propene ug/L	Trichloroethene ug/L	Dibromo chloromethane ug/L	1,1,2-Trichloroethane ug/L	Benzene ug/L	trans-1,3-Dichloro propene ug/L	Bromoform ug/L	4-Methyl-2-Pentanone ug/L	2-Hexanone ug/L	Tetrachloro ethene ug/L	1,1,2,2-Tetrachloro ethane ug/L	Toluene ug/L
4/28/2020	XX	BTXXXXCE4	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/21/2020	XX	BTXXXXCIC	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/27/2020	XX	BTXXXXD3G	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/6/2021	XX	BTXXXXDDJ	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/13/2021	XX	BTXXXXE0B	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/5/2021	XX	BTXXXXE6I	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
5/26/2022	XX	BTXXXXF1A	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/19/2022	XX	BTXXXXFE7	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/4/2022	XX	BTXXXXFJ9	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/18/2023	XX	BTXXXXH24	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/11/2023	XX	BTXXXXH92	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/2/2023	XX	BTXXXX076	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
4/2/2024	XX	BTXXXX151	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
7/18/2024	XX	BTXXXXI9E	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U
10/8/2024	XX	BTXXXX208	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U	1 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

DATA SUMMARY TABLE

Leachate - Volatile Organic Compounds Group 3 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR) Date	Type	Sample ID	Chlorobenzene ug/L	Ethylbenzene ug/L	Styrene ug/L	o-Xylene ug/L	m,p-Xylene ug/L	Tetra hydrofuran ug/L	Trichloro fluoromethane ug/L	cis-1,2-Dichloroethene ug/L	Bromochloro methane ug/L	Dibromo methane ug/L	1,2-Dibromoethane ug/L	1,1,1,2-Tetrachloro ethane ug/L	1,2,3-Trichloro propane ug/L	1,2-Dibromo-3-Chloropropane ug/L	1,4-Dichloro benzene ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	10 U	10 U	10 U	10 U	10 U		50 U	10 U	10 U	10 U	20 U	10 U	10 U	20 U	10 U
7/15/2015	XX	LTC4LX7C4	10 U	10 U	10 U	10 U	10 U		50 U	10 U	10 U	10 U	20 U	10 U	10 U	20 U	10 U
10/27/2015	XX	LTC4LX7HD	10 U	10 U	10 U	10 U	10 U		50 U	10 U	10 U	10 U	20 U	10 U	10 U	20 U	10 U
4/5/2016	XX	LTC4LX863	10 U	10	10 U	10 U	10 U	400	50 U	10 U	10 U	10 U	20 U	10 U	10 U	20 U	10 U
7/26/2016	XX	LTC4LX8AD	10 U	10 U	10 U	10 U	10 U	600	50 U	10 U	10 U	10 U	20 U	10 U	10 U	20 U	10 U
10/25/2016	XX	LTC4LX8IC	2 U	13	1 U	3	6	400	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/18/2017	XX	LTC4LX96I	1 U	7	1 U	3	6	500	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
7/25/2017	XX	LTC4LX9CG	1 U	7	1 U	5	9	500	5 U	1	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
10/24/2017	XX	LTC4LX9GB	1 U	3	1 U	2	3	400	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	LTC4LXA2A	1 U	7.5	1.1	5	9.6	400	5 U	1.4	1 U	1 U	2 U	1 U	0.5 U	2 U	1
7/17/2018	XX	LTC4LXABB	1 U	1.5	1 U	1 U	1.7	110	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
10/2/2018	XX	LTC4LXB09	10 U	10 U	10 U	10 U	11	430	50 U	10 U	10 U	10 U	20 U	10 U	5 U	20 U	10 U
4/23/2019	XX	LTC4LXB56	20 U	20 U	20 U	20 U	20 U	280	100 U	20 U	20 U	20 U	40 U	20 U	10 U	40 U	20 U
7/16/2019	XX	LTC4LXBBI	10 U	10 U	10 U	10 U	10	390	50 U	10 U	10 U	10 U	20 U	10 U	5 U	20 U	10 U
10/29/2019	XX	LTC4LXBHB	10 U	12	10 U	10 U	10 U	370	50 U	10 U	10 U	10 U	20 U	10 U	5 U	20 U	10 U
4/28/2020	XX	LTC4LXCCI	10 U	10 U	10 U	10 U	10 U	420	20 U	10 U	10 U	10 U	5 U	10 U	5 U	20 U	10 U
7/21/2020	XX	LTC4LXCHB	1 U	7.8	1 U	5.3	9.1	490	2 U	1.5	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1
10/27/2020	XX	LTC4LXD2F	10 U	10 U	10 U	10 U	12	350	20 U	10 U	10 U	10 U	5 U	10 U	5 U	20 U	10 U
4/6/2021	XX	LTC4LXDBH	1 U	10	1 U	6.9	13	320	2 U	2.2	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1.2
7/13/2021	XX	LTC4LXDJ9	1 U	11	1 U	8	13	480	2 U	2.5	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1.3
10/5/2021	XX	LTC4LXE5H	1 U	6.6	1 U	4.7	8.5	360	2 U	1.6	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
5/26/2022	XX	LTC4LXF09	1 U	6.8	1 U	4.8	9	410	2 U	2.2	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/19/2022	XX	LTC4LXF87	1 U	7.7	1 U	6.3	11	420	2 U	2.5	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/4/2022	XX	LTC4LXFI8	1 U	8.6	1 U	6.2	12	410	2 U	1.8	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1.1
4/18/2023	XX	LTC4LXGHJ	1 U	12	1 U	8.5	16	480	2 U	2.5	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1.3
7/11/2023	XX	LTC4LXH81	1 U	13	1.2	11	19	450	2 U	3.2	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1.3
10/2/2023	XX	LTC4LX059	1 U	13	2	9.9	20	560	2 U	3.1	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1.3
4/2/2024	XX	LTC4LX11J	1 U	10	1.2	6.7	15	310	2 U	2.8	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/18/2024	XX	LTC4LX1H9	1 U	8.9	1 U	6.5	13	450	2 U	2	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/8/2024	XX	LTC4LX1IC	1 U	9.5	1 U	7.2	14	740	2 U	2.1	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
QCBT																	
4/27/2015	XX	BTXXXX79E	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/27/2015	XX	BTXXXX79F	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/27/2015	XX	BTXXXX79J	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
7/15/2015	XX	BTXXXX7DB	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
10/27/2015	XX	BTXXXX7II	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
7/26/2016	XX	BTXXXX8BF	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
10/25/2016	XX	BTXXXX8JE	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
4/18/2017	XX	BTXXXX980	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
7/25/2017	XX	BTXXXX9DI	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
10/24/2017	XX	BTXXXX9HD	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/3/2018	XX	BTXXXXHG3	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
7/17/2018	XX	BTXXXXACD	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
10/2/2018	XX	BTXXXXB1B	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
4/23/2019	XX	BTXXXXB68	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
7/16/2019	XX	BTXXXXBCJ	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U
10/29/2019	XX	BTXXXXBIC	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U	1 U

REPORT PREPARED: 1/7/2025 14:26

FOR: Juniper Ridge Landfill

DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Leachate - Volatile Organic Compounds Group 3 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	Chlorobenzene ug/L	Ethylbenzene ug/L	Styrene ug/L	o-Xylene ug/L	m,p-Xylene ug/L	Tetra hydrofuran ug/L	Trichloro fluoromethane ug/L	cis-1,2-Dichloroethene ug/L	Bromochloro methane ug/L	Dibromo methane ug/L	1,2-Dibromoethane ug/L	1,1,1,2-Tetrachloro ethane ug/L	1,2,3-Trichloro propane ug/L	1,2-Dibromo-3-Chloropropane ug/L	1,4-Dichloro benzene ug/L
4/28/2020	XX	BTXXXXCE4	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/21/2020	XX	BTXXXXCIC	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/27/2020	XX	BTXXXXD3G	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/6/2021	XX	BTXXXXDDJ	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/13/2021	XX	BTXXXXE0B	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/5/2021	XX	BTXXXXE6I	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
5/26/2022	XX	BTXXXXF1A	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/19/2022	XX	BTXXXXFE7	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/4/2022	XX	BTXXXXFJ9	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/18/2023	XX	BTXXXXH24	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/11/2023	XX	BTXXXXH92	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/2/2023	XX	BTXXXX076	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
4/2/2024	XX	BTXXXX151	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
7/18/2024	XX	BTXXXXI9E	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U
10/8/2024	XX	BTXXXX208	1 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	2 U	1 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

DATA SUMMARY TABLE

Leachate - Volatile Organic Compounds Group 4 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
LT-C4L & LT-C4LR							
4/28/2015	XX	LTC4LX78C	10 U	200 U		50 U	50 U
7/15/2015	XX	LTC4LX7C4	10 U	200 U		50 U	50 U
10/27/2015	XX	LTC4LX7HD	10 U	200 U		50 U	50 U
4/5/2016	XX	LTC4LX863	10 U	200 U	50 U	50 U	50 U
7/26/2016	XX	LTC4LX8AD	10 U	200 U	50 U	50 U	50 U
10/25/2016	XX	LTC4LX8IC	1 U	20 U	8	5 U	5 U
4/18/2017	XX	LTC4LX96I	1 U	20 U	5 U	5 U	5 U
7/25/2017	XX	LTC4LX9CG	1 U	20 U	5 U	5 U	5 U
10/24/2017	XX	LTC4LX9GB	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	LTC4LXA2A	1 U	20 U	5 U	5 U	5 U
7/17/2018	XX	LTC4LXABB	1 U	20 U	5 U	5 U	5 U
10/2/2018	XX	LTC4LXB09	10 U	200 U	50 U	50 U	50 U
4/23/2019	XX	LTC4LXB56	20 U	400 U	100 U	100 U	100 U
7/16/2019	XX	LTC4LXBBI	10 U	200 U	50 U	50 U	50 U
10/29/2019	XX	LTC4LXBHB	10 U	200 U	50 U	50 U	50 U
4/28/2020	XX	LTC4LXCCI	10 U	200 U	20 U	50 U	50 U
7/21/2020	XX	LTC4LXCHB	1 U	20 U	6.5	5 U	5 U
10/27/2020	XX	LTC4LXD2F	10 U	200 U	20 U	50 U	50 U
4/6/2021	XX	LTC4LXDBH	1 U	20 U	2 U	5 U	5 U
7/13/2021	XX	LTC4LXDJ9	1 U	20 U	9.3	5 U	5 U
10/5/2021	XX	LTC4LXE5H	1 U	20 U	7.3	5 U	5 U
5/26/2022	XX	LTC4LXF09	1 U	20 U	16	5 U	5 U
7/19/2022	XX	LTC4LXF87	1 U	20 U	14	5 U	5 U
10/4/2022	XX	LTC4LXFI8	1 U	20 U	11	5 U	5 U
4/18/2023	XX	LTC4LXGHJ	1 U	20 U	16	5 U	5 U
7/11/2023	XX	LTC4LXH81	1 U	20 U	12	5 U	5 U
10/2/2023	XX	LTC4LX059	1 U	20 U	35	5 U	5 U
4/2/2024	XX	LTC4LX11J	1 U	20 U	2 U	5 U	5 U
7/18/2024	XX	LTC4LX1H9	1 U	20 U	2 U	5 U	5 U
10/8/2024	XX	LTC4LX1IC	1 U	20 U	12	5 U	5 U
QCBT							
4/27/2015	XX	BTXXXX79E	1 U	20 U		5 U	5 U
4/27/2015	XX	BTXXXX79F	1 U	20 U		5 U	5 U
4/27/2015	XX	BTXXXX79J	1 U	20 U		5 U	5 U
7/15/2015	XX	BTXXXX7DB	1 U	20 U		5 U	5 U
10/27/2015	XX	BTXXXX7II	1 U	20 U		5 U	5 U
7/26/2016	XX	BTXXXX8BF	1 U	20 U	5 U	5 U	5 U
10/25/2016	XX	BTXXXX8JE	1 U	20 U	5 U	5 U	5 U
4/18/2017	XX	BTXXXX980	1 U	20 U	5 U	5 U	5 U
7/25/2017	XX	BTXXXX9DI	1 U	20 U	5 U	5 U	5 U
10/24/2017	XX	BTXXXX9HD	1 U	20 U	5 U	5 U	5 U
4/3/2018	XX	BTXXXXHG3	1 U	20 U	5 U	5 U	5 U
7/17/2018	XX	BTXXXXACD	1 U	20 U	5 U	5 U	5 U
10/2/2018	XX	BTXXXXB1B	1 U	20 U	5 U	5 U	5 U
4/23/2019	XX	BTXXXXB68	1 U	20 U	5 U	5 U	5 U
7/16/2019	XX	BTXXXXBCJ	1 U	20 U	5 U	5 U	5 U
10/29/2019	XX	BTXXXXBIC	1 U	20 U	5 U	5 U	5 U

REPORT PREPARED: 1/7/2025 14:26
FOR: Juniper Ridge Landfill
DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Leachate - Volatile Organic Compounds Group 4 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	1,2-Dichloro benzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
4/28/2020	XX	BTXXXXCE4	1 U	20 U	2 U	5 U	5 U
7/21/2020	XX	BTXXXXCIC	1 U	20 U	2 U	5 U	5 U
10/27/2020	XX	BTXXXXD3G	1 U	20 U	2 U	5 U	5 U
4/6/2021	XX	BTXXXXDDJ	1 U	20 U	2 U	5 U	5 U
7/13/2021	XX	BTXXXXE0B	1 U	20 U	2 U	5 U	5 U
10/5/2021	XX	BTXXXXE6I	1 U	20 U	2 U	5 U	5 U
5/26/2022	XX	BTXXXXF1A	1 U	20 U	2 U	5 U	5 U
7/19/2022	XX	BTXXXXFE7	1 U	20 U	2 U	5 U	5 U
10/4/2022	XX	BTXXXXFJ9	1 U	20 U	2 U	5 U	5 U
4/18/2023	XX	BTXXXXH24	1 U	20 U	2 U	5 U	5 U
7/11/2023	XX	BTXXXXH92	1 U	20 U	2 U	5 U	5 U
10/2/2023	XX	BTXXXX076	1 U	20 U	2 U	5 U	5 U
4/2/2024	XX	BTXXXX151	1 U	20 U	2 U	5 U	5 U
7/18/2024	XX	BTXXXXI9E	1 U	20 U	2 U	5 U	5 U
10/8/2024	XX	BTXXXX208	1 U	20 U	2 U	5 U	5 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 1/16/2025 11:55 FOR: Juniper Ridge Landfill DATE RANGE: 1/1/2015 - 12/31/2024	DATA SUMMARY TABLE Semivolatile Organic Compounds Group 1 of 7	SME SEVEE & MAHER ENGINEERS	Page 1 of 1 SEVEE & MAHER ENGINEERS, INC. 4 BLANCHARD ROAD CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

Date	Type	Sample ID	Phenol ug/L	Bis (2-Chloroethyl) ether ug/L	2-Chlorophenol ug/L	1,3-Dichloro benzene (SVOC) ug/L	1,4-Dichloro benzene (SVOC) ug/L	Benzyl Alcohol ug/L	1,2-Dichloro benzene (SVOC) ug/L	2-Methylphenol ug/L	Bis(2-Chloroiso propyl) ether ug/L	N-Nitroso-di-n-propylamine ug/L	Hexachloro ethane ug/L	Nitrobenzene ug/L	Isophorone ug/L	2-Nitrophenol ug/L	2,4-Dimethyl phenol ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	110	47 U	47 U	47 U	47 U	94 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U
4/5/2016	XX	LTC4LX863	210	200 U	200 U	200 U	200 U	400 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
4/18/2017	XX	LTC4LX96I	75	14 U	14 U	14 U	14 U	28 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
4/3/2018	XX	LTC4LXA2A	54	9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4/23/2019	XX	LTC4LXB56	85	10 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	50 U
4/28/2020	XX	LTC4LXCCI		9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
4/28/2020	XX	LTC4LXCCIDL	190														
4/6/2021	XX	LTC4LXDBH		9.4 U	9.4 U	9.4 U	9.4 U	19 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4/6/2021	XX	LTC4LXDBHDL	200														
5/26/2022	XX	LTC4LXF09		9.3 U	9.3 U	9.3 U	9.3 U	19 U	9.3 U	11	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
5/26/2022	XX	LTC4LXF09DL	94														
4/18/2023	XX	LTC4LXGHJ		10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4/18/2023	XX	LTC4LXGHJDL	84														
7/16/2024	XX	LTC4LX1D1	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
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Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 1/16/2025 11:55

FOR: Juniper Ridge Landfill

DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Semivolatile Organic Compounds Group 2 of 7

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR) Date	Type	Sample ID	Bis(2-Chloroethoxy)methane ug/L	2,4-Dichlorophenol ug/L	1,2,4-Trichloro benzene (SVOC) ug/L	Naphthalene (SVOC) ug/L	4-Chloroaniline ug/L	Hexachloro butadiene (SVOC) ug/L	4-Chloro-3-Methylphenol ug/L	2-Methyl naphthalene ug/L	Hexachloro cyclo pentadiene ug/L	2,4,6-Trichlorophenol ug/L	2,4,5-Trichlorophenol ug/L	2-Chloro naphthalene ug/L	2-Nitroaniline ug/L	Dimethyl Phthalate ug/L	Acenaphthylene ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	120 U	47 U	120 U	47 U	47 U
4/5/2016	XX	LTC4LX863	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	500 U	200 U	500 U	200 U	200 U
4/18/2017	XX	LTC4LX96I	14 U	14 U	14 U	20	14 U	14 U	14 U	14 U	14 U	14 U	36 U	14 U	36 U	14 U	14 U
4/3/2018	XX	LTC4LXA2A	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	24 U	9.4 U	24 U	9.4 U	9.4 U
4/23/2019	XX	LTC4LXB56	10 U	10 U	10 U	6.7	10 U	10 U	10 U	1.4	50 U	10 U	10 U	10 U	50 U	10 U	1 U
4/28/2020	XX	LTC4LXCCI	9.5 U	9.5 U	9.5 U	20	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	24 U	9.5 U	24 U	9.5 U	9.5 U
4/6/2021	XX	LTC4LXDBH	9.4 U	9.4 U	9.4 U	17	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	24 U	9.4 U	24 U	9.4 U	9.4 U
5/26/2022	XX	LTC4LXF09	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	23 U	9.3 U	23 U	9.3 U	9.3 U
4/18/2023	XX	LTC4LXGHJ	10 U	10 U	10 U	16	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U	25 U	10 U	10 U
7/16/2024	XX	LTC4LX1D1	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 UL	9.5 U	9.5 U	9.5 U	24 U	9.5 ULL	24 U	9.5 U	9.5 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

UL - Not Detected above the laboratory reporting limit. Flagged compound did not meet DoD criteria in the LCS and/or LCSD prepared and/or analyzed concurrently with the sample. The laboratory's policy is to qualify with these qualifiers regardless of whether it is a Department of Defense job.

ULL - Not Detected above the laboratory reporting limit. Flagged compound did not meet DoD criteria in the LCS and/or LCSD prepared and/or analyzed concurrently with the sample. The laboratory's policy is to qualify with these qualifiers regardless of whether it is a Department of Defense job.

REPORT PREPARED: 1/16/2025 11:55

FOR: Juniper Ridge Landfill

DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Semivolatile Organic Compounds Group 3 of 7

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR) Date	Type	Sample ID	2,6-Dinitrotoluene ug/L	3-Nitroaniline ug/L	Acenaphthene ug/L	2,4-Dinitrophenol ug/L	4-Nitrophenol ug/L	Dibenzofuran ug/L	2,4-Dinitrotoluene ug/L	Diethyl phthalate ug/L	4-Chlorophenyl-phenylether ug/L	Fluorene ug/L	4-Nitroaniline ug/L	4,6-Dinitro-2-methylphenol ug/L	N-Nitroso diphenylamine ug/L	4-Bromophenyl-phenylether ug/L	Hexachloro benzene ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	47 U	120 U	47 U	120 U	120 U	47 U	47 U	47 U	47 U	47 U	120 U	120 U	47 U	47 U	47 U
4/5/2016	XX	LTC4LX863	200 U	500 U	200 U	500 U	500 U	200 U	200 U	200 U	200 U	200 U	500 U	500 U	200 U	200 U	200 U
4/18/2017	XX	LTC4LX96I	14 U	36 U	14 U	36 U	36 U	14 U	14 U	14 U	14 U	14 U	36 U	36 U	14 U	14 U	14 U
4/3/2018	XX	LTC4LXA2A	9.4 U	24 U	9.4 U	24 U	24 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	24 U	24 U	9.4 U	9.4 U	9.4 U
4/23/2019	XX	LTC4LXB56	50 U	50 U	1.5	100 U	50 U	10 U	50 U	50 U	10 U	1 U	50 U	50 U	10 U	10 U	10 U
4/28/2020	XX	LTC4LXCCI	9.5 U	24 U	9.5 U	24 U	24 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	24 U	24 U	9.5 U	9.5 U	9.5 U
4/6/2021	XX	LTC4LXDBH	9.4 U	24 U	9.4 U	24 U	24 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	24 U	24 U	9.4 U	9.4 U	9.4 U
5/26/2022	XX	LTC4LXF09	9.3 U	23 U	9.3 U	23 U	23 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	23 U	23 U	9.3 U	9.3 U	9.3 U
4/18/2023	XX	LTC4LXGHJ	10 U	25 U	10 U	25 U	25 U	10 U	10 U	10 U	10 U	10 U	25 U	25 U	10 U	10 U	10 U
7/16/2024	XX	LTC4LX1D1	9.5 U	24 U	9.5 U	24 U	24 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	24 U	24 U	9.5 U	9.5 U	9.5 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 1/16/2025 11:56

FOR: Juniper Ridge Landfill

DATE RANGE: 1/1/2015 - 12/31/2024

DATA SUMMARY TABLE

Semivolatile Organic Compounds Group 4 of 7

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

LT-C4L & LT-C4LR

Date	Type	Sample ID	Pentachlorophenol ug/L	Phenanthrene ug/L	Anthracene ug/L	Di-n-butylphthalate ug/L	Fluoranthene ug/L	Pyrene ug/L	Butylbenzyl phthalate ug/L	3,3-Dichloro benzidine ug/L	Benzo(a) Anthracene ug/L	Chrysene ug/L	Bis(2-Ethylhexyl) phthalate ug/L	Di-n-octylphthalate ug/L	Benzo(b) Fluoranthene ug/L	Benzo(k) Fluoranthene ug/L	Benzo(a) Pyrene ug/L
4/28/2015	XX	LTC4LX78C	120 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U
4/5/2016	XX	LTC4LX863	500 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
4/18/2017	XX	LTC4LX96I	36 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
4/3/2018	XX	LTC4LXA2A	24 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4/23/2019	XX	LTC4LXB56	50 U	1 U	1 U	50 U	1 U	1 U	50 U	10 U	1 U	1 U	50 U	50 U	1 U	1 U	1 U
4/28/2020	XX	LTC4LXCCI	24 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
4/6/2021	XX	LTC4LXDBH	24 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
5/26/2022	XX	LTC4LXF09	23 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
4/18/2023	XX	LTC4LXGHJ	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
7/16/2024	XX	LTC4LX1D1	24 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 UL	9.5 U	9.5 UL	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

UL - Not Detected above the laboratory reporting limit. Flagged compound did not meet DoD criteria in the LCS and/or LCSD prepared and/or analyzed concurrently with the sample. The laboratory's policy is to qualify with these qualifiers regardless of whether it is a Department of Defense job.

DATA SUMMARY TABLE

Semivolatile Organic Compounds Group 5 of 7

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

Date	Type	Sample ID	Indeno(1,2,3-c,d) Pyrene ug/L	Dibenz(a,h) Anthracene ug/L	Benzo(g,h,i) perylene ug/L	N-Nitroso dimethylamine ug/L	Carbazole ug/L	2,3,4,6-Tetrachloro phenol ug/L	2,6-Dichlorophenol ug/L	3&4-Methylphenol ug/L	2-Acetyl aminofluorene ug/L	4-Aminobiphenyl ug/L	3,3'-Dimethyl benzidine ug/L	1,3-Dinitro benzene (m-Dinitrobenzene) ug/L	Ethyl methanesulfonate ug/L	Hexa chloropropene ug/L	Isosafrole ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	47 U	47 U	47 U	47 U		47 U	47 U	890	47 U	47 U	120 U	47 U	47 U	47 U	47 U
4/5/2016	XX	LTC4LX863	200 U	200 U	200 U	200 U		200 U	200 U	1000	200 U	200 U	500 U	200 U	200 U	200 U	200 U
4/18/2017	XX	LTC4LX96I	14 U	14 U	14 U	14 U		14 U	14 U		14 U	14 U	36 U	14 U	14 U	14 U	14 U
4/18/2017	XX	LTC4LX96IDL								480							
4/3/2018	XX	LTC4LXA2A	9.4 U	9.4 U	9.4 U	9.4 U		9.4 U	9.4 U		9.4 U	9.4 U	24 U	9.4 U	9.4 U	9.4 U	9.4 U
4/3/2018	XX	LTC4LXA2ADL								350							
4/23/2019	XX	LTC4LXB56	1 U	1 U	1 U	10 U	10 U	10 UH	10 UH	540	10 UH	10 UH	26 UH	10 UH	10 UH	10 UH	
4/28/2020	XX	LTC4LXCCI	9.5 U	9.5 U	9.5 U	9.5 U		9.5 U	9.5 U		9.5 U	9.5 U	24 U	9.5 U	9.5 U	9.5 U	9.5 U
4/28/2020	XX	LTC4LXCCIDL								540							
4/6/2021	XX	LTC4LXDBH	9.4 U	9.4 U	9.4 U	9.4 U		9.4 U	9.4 U		9.4 U	9.4 U	24 U	9.4 U	9.4 U	9.4 U	9.4 U
4/6/2021	XX	LTC4LXDBHDL								320							
5/26/2022	XX	LTC4LXF09	9.3 U	9.3 U	9.3 U	9.3 U		9.3 U	9.3 U		9.3 U	9.3 U	23 U	9.3 U	9.3 U	9.3 U	9.3 U
5/26/2022	XX	LTC4LXF09DL								200							
4/18/2023	XX	LTC4LXGHJ	10 U	10 U	10 U	10 U		10 U	10 U		10 U	10 U	25 U	10 U	10 U	10 U	10 U
4/18/2023	XX	LTC4LXGHJDL								210							
7/16/2024	XX	LTC4LX1D1	9.5 U	9.5 UL	9.5 U	9.5 U		9.5 U	9.5 U	63	9.5 U	9.5 U	24 UL	9.5 U	9.5 U	9.5 U	9.5 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

UH - Not Detected above the laboratory reporting limit. Analyzed outside U.S.EPA's recommended hold time

UL - Not Detected above the laboratory reporting limit. Flagged compound did not meet DoD criteria in the LCS and/or LCSD prepared and/or analyzed concurrently with the sample. The laboratory's policy is to qualify with these qualifiers regardless of whether it is a Department of Defense job.

REPORT PREPARED: 1/16/2025 11:56 FOR: Juniper Ridge Landfill DATE RANGE: 1/1/2015 - 12/31/2024	DATA SUMMARY TABLE Semivolatile Organic Compounds Group 6 of 7	Page 1 of 1 SEVEE & MAHER ENGINEERS, INC. 4 BLANCHARD ROAD CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR) Date	Type	Sample ID	Methapyrilene ug/L	3-Methyl cholanthrene ug/L	Methyl methane sulfonate ug/L	1-Naphthalene amine (1-Naphthyl amine) ug/L	2-Naphthalene amine (2-Naphthyl amine) ug/L	1,4-Naphtho quinone ug/L	5-Nitro-o-toluidine ug/L	N-Nitroso diethylamine ug/L	N-Nitrosodi-n-butylamine ug/L	N-Nitrosomethyl ethylamine ug/L	N-Nitroso piperidine ug/L	N-Nitroso pyrrolidine ug/L	Pentachloro benzene ug/L	Pentachloro nitrobenzene ug/L	Phenacetin ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	120 U	47 U	47 U	47 U	47 U	120 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U	47 U
4/5/2016	XX	LTC4LX863	500 U	200 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
4/18/2017	XX	LTC4LX96I	36 U	14 U	14 U	14 U	14 U	36 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
4/3/2018	XX	LTC4LXA2A	24 U	9.4 U	9.4 U	9.4 U	9.4 U	24 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4/23/2019	XX	LTC4LXB56	26 UH	10 UH	10 UH	10 UH	10 UH	26 UH	10 UH	10 UH	10 UH	10 UH	10 UH	10 UH	10 UH	10 UH	10 UH
4/28/2020	XX	LTC4LXCCI	24 U	9.5 U	9.5 U	9.5 U	9.5 U	24 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
4/6/2021	XX	LTC4LXDBH	24 U	9.4 U	9.4 U	9.4 U	9.4 U	24 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
5/26/2022	XX	LTC4LXF09	23 U	9.3 U	9.3 U	9.3 U	9.3 U	23 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
4/18/2023	XX	LTC4LXGHJ	25 U	10 U	10 U	10 U	10 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
7/16/2024	XX	LTC4LX1D1	24 U	9.5 U	9.5 U	9.5 U	9.5 U	24 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.
UH - Not Detected above the laboratory reporting limit. Analyzed outside U.S.EPA’s recommended hold time

REPORT PREPARED: 1/16/2025 11:56 FOR: Juniper Ridge Landfill DATE RANGE: 1/1/2015 - 12/31/2024	DATA SUMMARY TABLE Semivolatile Organic Compounds Group 7 of 7	SME SEVEE & MAHER ENGINEERS	 SEVEE & MAHER ENGINEERS, INC. 4 BLANCHARD ROAD CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR)

LT-C4L & LT-C4LR

Date	Type	Sample ID	p-Phenylene diamine ug/L	Pronamide ug/L	1,2,4,5-Tetrachloro benzene ug/L	1,3,5-Trinitro benzene (sym-Trinitrobenzene) ug/L	Safrole ug/L	O-Toluidine ug/L	p-(Dimethyl amino) azobenzene ug/L	7,12-Dimethylbenz (a)anthracene ug/L	Acetophenone ug/L
4/28/2015	XX	LTC4LX78C	120 U	47 U	47 U	47 U	47 U	120 U	47 U	47 U	47 U
4/5/2016	XX	LTC4LX863	500 U	200 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
4/18/2017	XX	LTC4LX96I	36 U	14 U	14 U	14 U	14 U	36 U	14 U	14 U	14 U
4/3/2018	XX	LTC4LXA2A	24 U	9.4 U	9.4 U	9.4 U	9.4 U	24 U	9.4 U	9.4 U	11
4/23/2019	XX	LTC4LXB56	26 UH	10 UH	10 UH	10 UH	10 UH	26 UH	10 UH	10 UH	100 U
4/28/2020	XX	LTC4LXCCI	24 U	9.5 U	9.5 U	9.5 U	9.5 U	24 U	9.5 U	9.5 U	14
4/6/2021	XX	LTC4LXDBH	24 U	9.4 U	9.4 U	9.4 U	9.4 U	24 U	9.4 U	9.4 U	12
5/26/2022	XX	LTC4LXF09	23 U	9.3 U	9.3 U	9.3 U	9.3 U	23 U	9.3 U	9.3 U	9.3 U
4/18/2023	XX	LTC4LXGHJ	25 U	10 U	10 U	10 U	10 U	25 U	10 U	10 U	12
7/16/2024	XX	LTC4LX1D1	24 ULL	9.5 U	9.5 U	9.5 U	9.5 U	24 U	9.5 U	9.5 U	9.5 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

UH - Not Detected above the laboratory reporting limit. Analyzed outside U.S.EPA's recommended hold time

ULL - Not Detected above the laboratory reporting limit. Flagged compound did not meet DoD criteria in the LCS and/or LCSD prepared and/or analyzed concurrently with the sample. The laboratory's policy is to qualify with these qualifiers regardless of whether it is a Department of Defense job.

REPORT PREPARED: 1/16/2025 11:57 FOR: Juniper Ridge Landfill DATE RANGE: 1/1/2015 - 12/31/2024	DATA SUMMARY TABLE Pesticides, Herbicides and PCBs Group 1 of 3	SME SEVEE & MAHER ENGINEERS	Page 1 of 1 SEVEE & MAHER ENGINEERS, INC. 4 BLANCHARD ROAD CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR) Date	Type	Sample ID	alpha-BHC ug/L	beta-BHC ug/L	delta-BHC ug/L	gamma-BHC (Lindane) ug/L	Heptachlor ug/L	Aldrin ug/L	Heptachlor Epoxide ug/L	Endosulfan I ug/L	Dieldrin ug/L	4,4'-DDE ug/L	Endrin ug/L	Endosulfan II ug/L	4,4'-DDD ug/L	Endosulfan Sulfate ug/L	4,4'-DDT ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
4/5/2016	XX	LTC4LX863	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U
4/18/2017	XX	LTC4LX96IRE	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4/3/2018	XX	LTC4LXA2A	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
4/23/2019	XX	LTC4LXB56	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.036	0.02 U
4/28/2020	XX	LTC4LXCCI	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
4/6/2021	XX	LTC4LXDBH	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
5/26/2022	XX	LTC4LXF09RA	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
4/18/2023	XX	LTC4LXGHJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
7/16/2024	XX	LTC4LX1D1	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

DATA SUMMARY TABLE

Pesticides, Herbicides and PCBs Group 2 of 3

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

LT-C4L & LT-C4LR

Date	Type	Sample ID	Methoxychlor ug/L	Endrin Ketone ug/L	alpha-Chlordane ug/L	gamma-Chlordane ug/L	Toxaphene ug/L	Aroclor-1016 ug/L	Aroclor-1221 ug/L	Aroclor-1232 ug/L	Aroclor-1242 ug/L	Aroclor-1248 ug/L	Aroclor-1254 ug/L	Aroclor-1260 ug/L	Endrin Aldehyde ug/L	Chlordane (technical) ug/L	2,4-Dichloro phenoxyacetic Acid ug/L
4/28/2015	XX	LTC4LX78C	0.47 U				0.94 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.094 U	0.47 U	2.8 U
4/5/2016	XX	LTC4LX863	0.48 U				0.96 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.096 U	0.48 U	3.1 U
4/18/2017	XX	LTC4LX96I															2.8 U
4/18/2017	XX	LTC4LX96IRE	0.52 U				1 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.1 U	0.52 U	
4/3/2018	XX	LTC4LXA2A	0.47 U				0.94 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.094 U	0.47 U	2.7 U
4/23/2019	XX	LTC4LXB56	0.1 U				0.2 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 U	0.1 U	
4/23/2019	XX	LTC4LXB56RA															2.8 U
4/28/2020	XX	LTC4LXCCI	0.47 U				0.93 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.093 U	0.47 U	2.6 U
4/28/2020	XX	LTC4LXCCIRE															2.7 U
4/6/2021	XX	LTC4LXDBH	0.47 U				0.94 U								0.094 U	0.47 U	2.6 U
4/6/2021	XX	LTC4LXDBHRA						0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U			
5/26/2022	XX	LTC4LXF09															2.7 U
5/26/2022	XX	LTC4LXF09RA	0.47 U				0.94 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.094 U	0.47 U	
4/18/2023	XX	LTC4LXGHJ	0.5 U	0.1 U	0.05 U	0.05 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 U		2.8 U
7/16/2024	XX	LTC4LX1D1	0.47 U	0.095 U	0.047 U	0.047 U	0.95 U								0.095 U	0.47 U	2.7 U
7/16/2024	XX	LTC4LX1D1RA						0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U			

Units Abbreviations:

ug/L - MICROGRAMS PER LITER

Notes: Sample Type XX = Environmental Sample, XD = Duplicate Sample
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Concentration Qualifier Notes:

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DATA SUMMARY TABLE

Pesticides, Herbicides and PCBs Group 3 of 3

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LT-C4L & LT-C4LR) Date	Type	Sample ID	2,4,5-Trichloro phenoxypro pionic Acid	2,4,5-Trichloro phenoxyacetic acid	Diallate	Isodrin	Kepone	Dimethoate	Chlorobenzilate	Disulfoton	Famphur	Methyl Parathion	Parathion	Phorate	Thionazin	o,o,o-Triethyl phosphoro thioate	2-sec-Butyl-4-6-dinitrophenol (Dinoseb)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LT-C4L & LT-C4LR																	
4/28/2015	XX	LTC4LX78C	2.8 U	2.8 U	47 U	47 U	120 U	47 U	47 U	47 U	140 U	47 U	120 U	47 U	94 U	47 U	4.7 U
4/5/2016	XX	LTC4LX863	3.1 U	3.1 U	200 U	200 U	500 U	200 U	200 U	200 U	590 U	200 U	500 U	200 U	400 U	200 U	5.1 U
4/18/2017	XX	LTC4LX96I	2.8 U	2.8 U	14 U	14 U	36 U	14 U	14 U	14 U	43 U	14 U	36 U	14 U	28 U	14 U	4.7 U
4/3/2018	XX	LTC4LXA2A	2.7 U	2.7 U	9.4 U	9.4 U	24 U	9.4 U	9.4 U	9.4 U	28 U	9.4 U	24 U	9.4 U	19 U	9.4 U	4.4 U
4/23/2019	XX	LTC4LXB56			10 UH	10 UH	26 UH	10 UH	10 UH	10 UH	31 UH	10 UH	26 UH	10 UH	21 UH	10 UH	
4/23/2019	XX	LTC4LXB56RA	2.9 U	2.9 U													4.8 U
4/28/2020	XX	LTC4LXCCI	2.7 U	2.6 U	9.5 U	9.5 U	24 U	9.5 U	9.5 U	9.5 U	28 U	9.5 U	24 U	9.5 U	19 U	9.5 U	4.4 U
4/28/2020	XX	LTC4LXCCIRE	2.7 U	2.7 U													4.4 U
4/6/2021	XX	LTC4LXDBH	2.7 U	2.6 U	9.4 U	9.4 U	24 U	9.4 U	9.4 U	9.4 U	28 U	9.4 U	24 U	9.4 U	19 U	9.4 U	4.4 U
5/26/2022	XX	LTC4LXF09	2.7 U	2.7 U	9.3 U	9.3 U	23 U	9.3 U	9.3 U	9.3 U	28 U	9.3 U	23 U	9.3 U	19 U	9.3 U	4.4 U
5/26/2022	XX	LTC4LXF09DL			19 U	19 U	47 U	19 U	19 U	19 U	56 U	19 U	47 U	19 U	37 U	19 U	
4/18/2023	XX	LTC4LXGHJ	2.8 U	2.8 U	10 U	10 U	25 U	10 U	10 U	10 U	30 U	10 U	25 U	10 U	20 U	10 U	4.7 U
7/16/2024	XX	LTC4LX1D1	2.7 U	2.7 U	9.5 U	9.5 U	24 ULL	9.5 U	9.5 U	9.5 U	28 ULL	9.5 U	24 U	9.5 U	19 U	9.5 U	4.5 U

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APPENDIX E

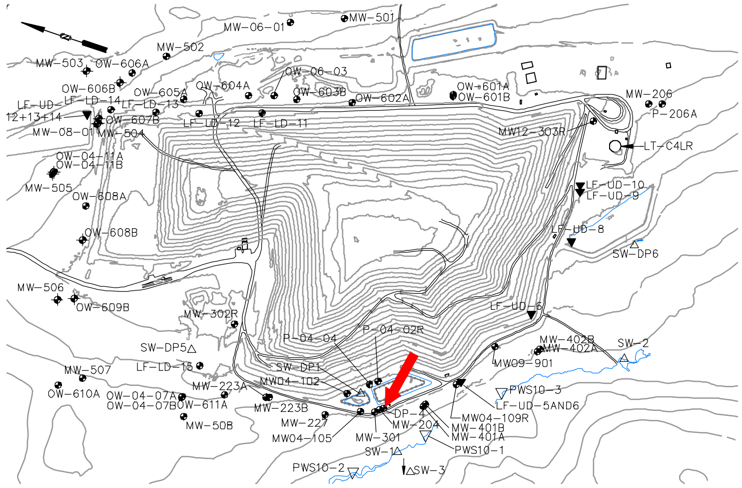
2024 WATER QUALITY SUMMARY REPORTS AND DATA PLOTS

SME
SEVEE & MAHER ENGINEERS

Well Description

DP-4 is located downgradient of the landfill and former leachate pond and monitors groundwater quality within the overburden.

Screen Interval:	**18.5 ft. to 24.5 ft.**
Sampled:	**1 Time Annually(field parameters only)**
Sampled Since:	**01/30/04**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**



Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)				189	100	to	965	330	±	21.000	41
pH (STU)				5.9	5.6	to	7.3	6.5	±	0.058	41
Temperature (Deg C)				14	6	to	23.9	13	±	0.590	41
Water Level Depth (Feet)				15.3	13.25	to	17.19	15	±	0.140	41
Water Level Elevation (Feet)				154.07	152.18	to	156.12	150	±	0.140	41
Water Level Reference Point (Feet)				169.37	169.37	to	169.37	170	±	0.000	41
Eh (mV)				215	-51	to	352	240	±	13.000	40
Dissolved Oxygen (mg/L)				1.2	0.4	to	6	1.7	±	0.240	41
Well Depth (Feet)				27.07	22.17	to	27.16	27	±	0.260	19
Turbidity (field) (NTU)				11	0.6	to	36.2	8.4	±	1.200	41

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

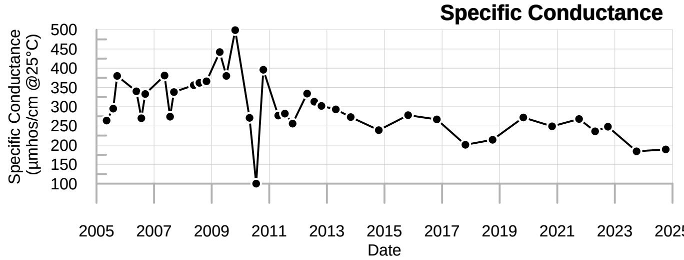
Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

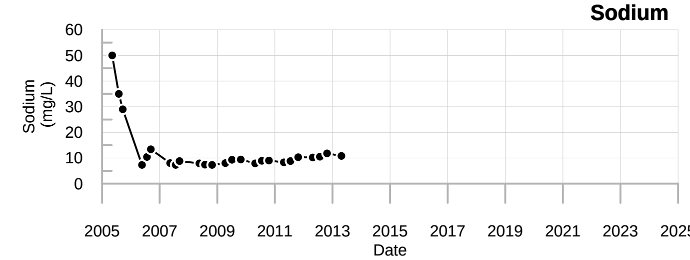
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

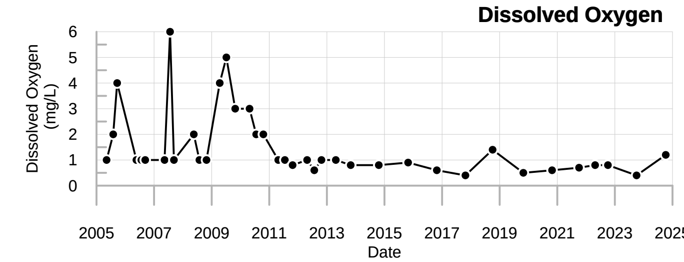
Comments

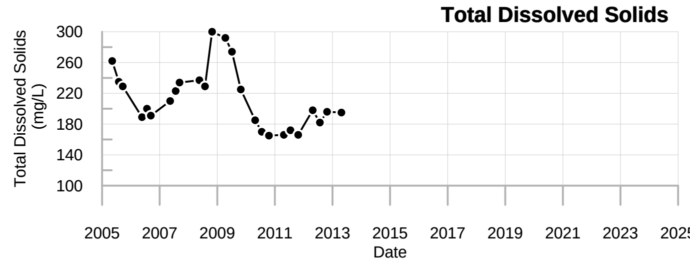
Q4= 10 - 2024

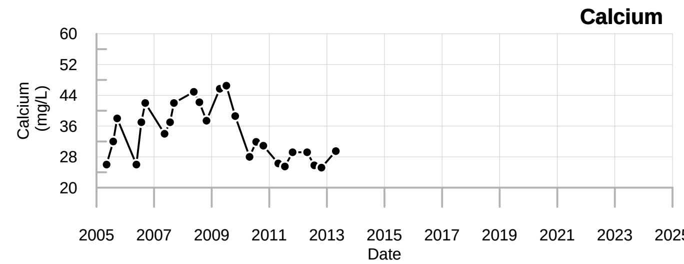
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

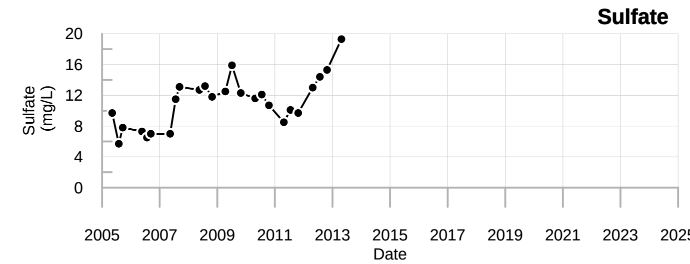


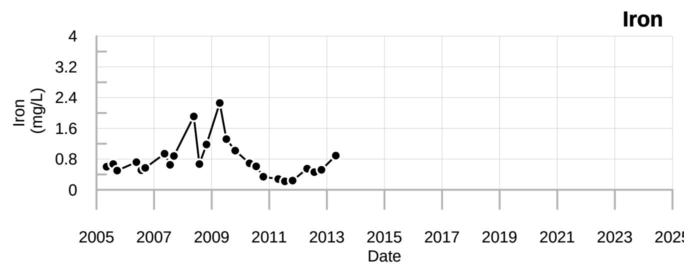


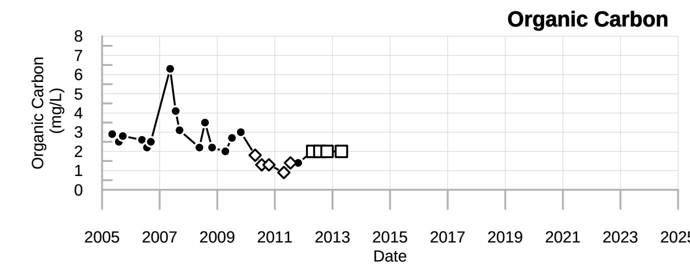


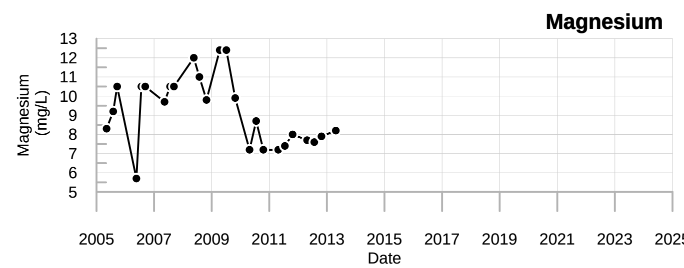


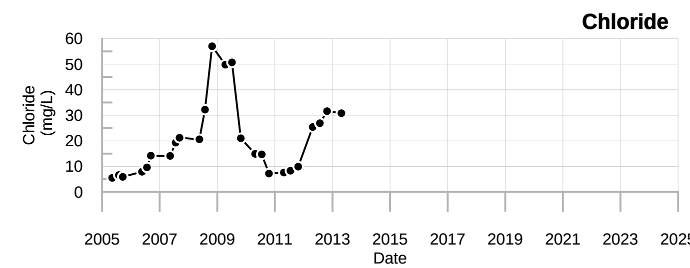


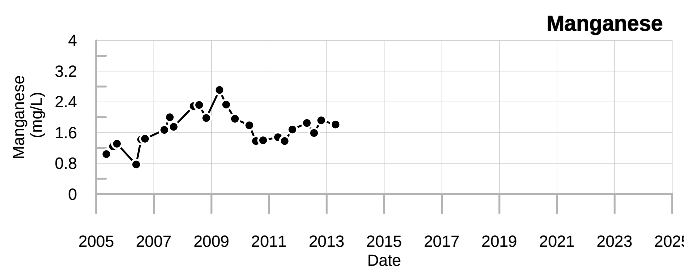


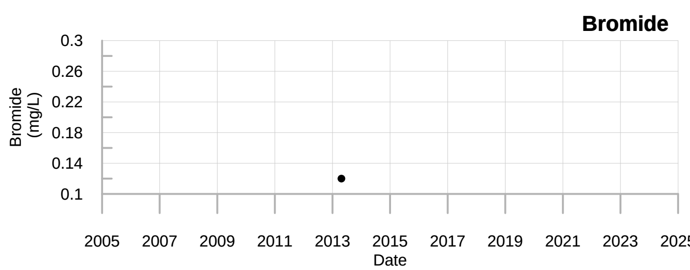












LEGEND

- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

SME
SEVEE & MAHER
ENGINEERS

DP-4
Juniper Ridge Landfill

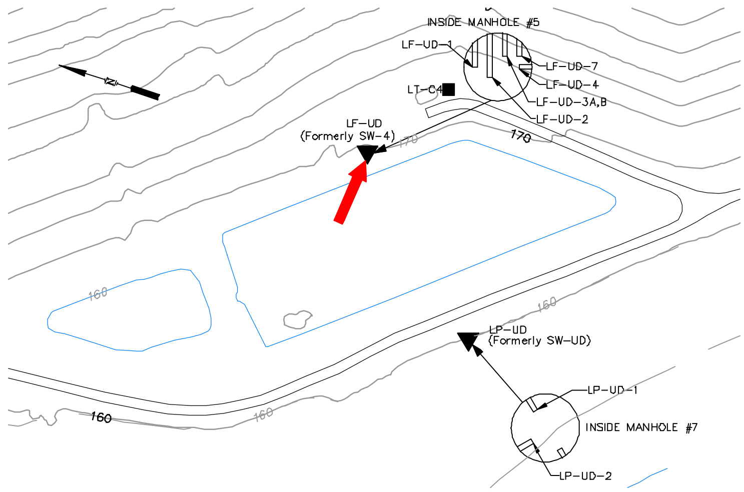
Well Description

Manhole #5 composite sample

Sampled:

Sampled Since: **See comments below**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean ± SE	n
Specific Conductance (µmhos/cm @25°C)	471	490	↑650	↑615	101	to	504	370 ± 6.900	123
pH (STU)	7.2	7.5	7.4	7.6	6.7	to	8.4	7.4 ± 0.036	123
Temperature (Deg C)	13.4	22.4	22.9	19.9	3.2	to	29.7	17 ± 0.470	123
Eh (mV)	357	337	353	356	293	to	446	360 ± 2.800	123
Dissolved Oxygen (mg/L)	6	8	6	6	4	to	10	6.8 ± 0.120	121
Alkalinity (CaCO3) (field) (mg/L)	200	190	175	250	55	to	325	170 ± 4.300	122
Turbidity (field) (NTU)	6.3	6	9.2	4.1	0	to	625.23	15 ± 5.600	122

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

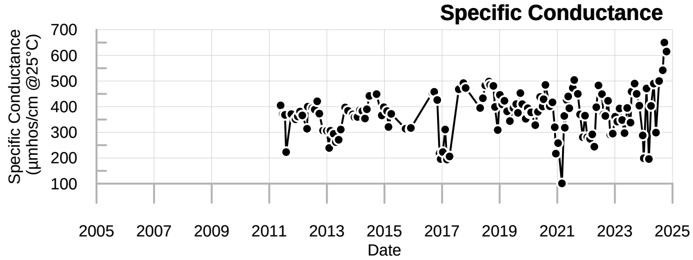
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

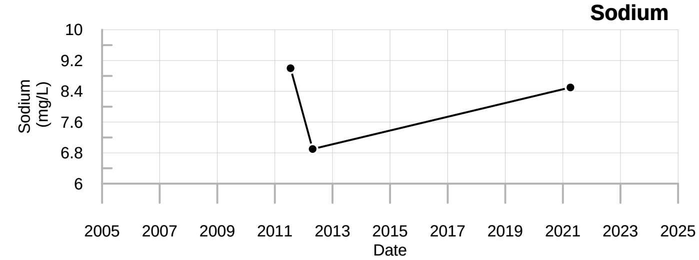
Comments

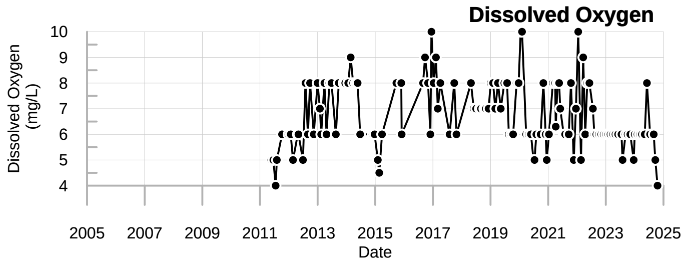
During times when LF-UD-1, LF-UD-2, LF-UD-3A & B, LF-UD-4, and LF-UD-7 have not been able to be sampled seperately due to pipe submergence, LF-COMP has been collected from manhole #5. Field parameters are measured at this location during some monthly monitoring rounds by NEWSME.

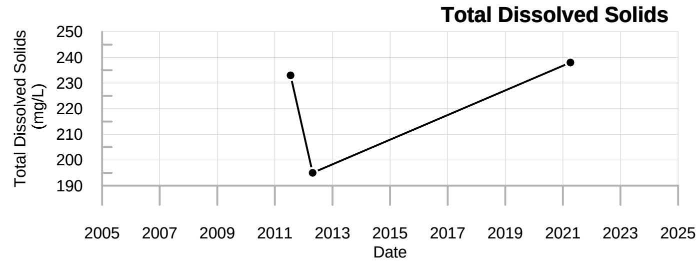
Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

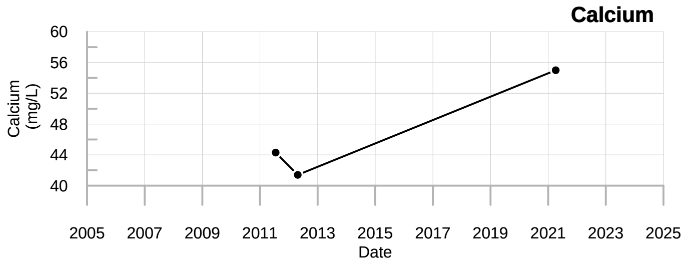
LF-COMP

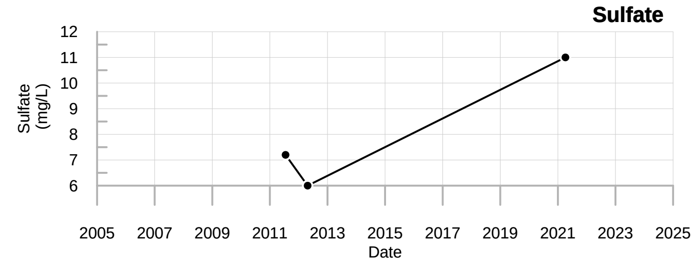


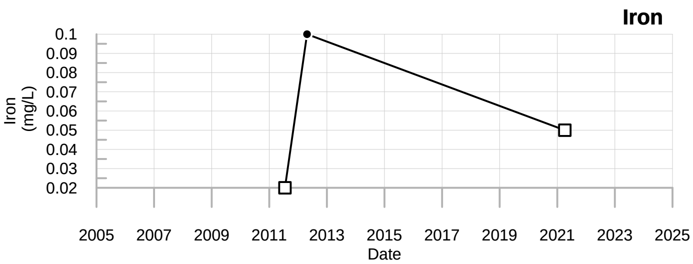


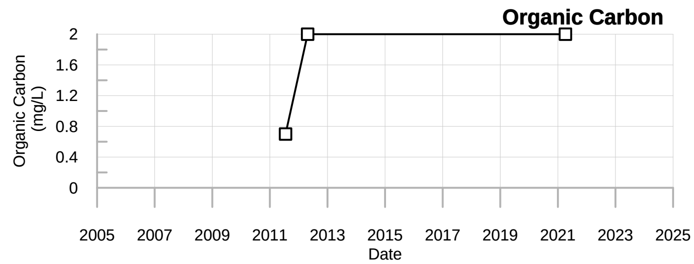


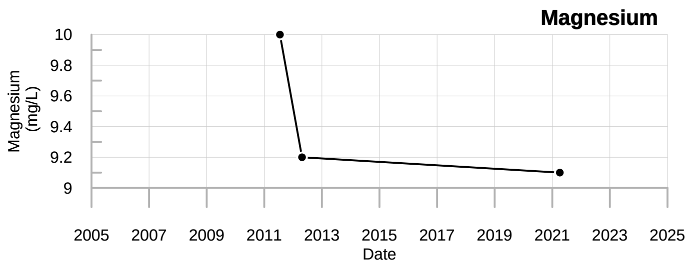


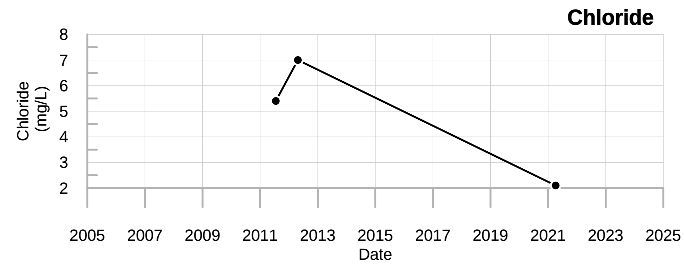


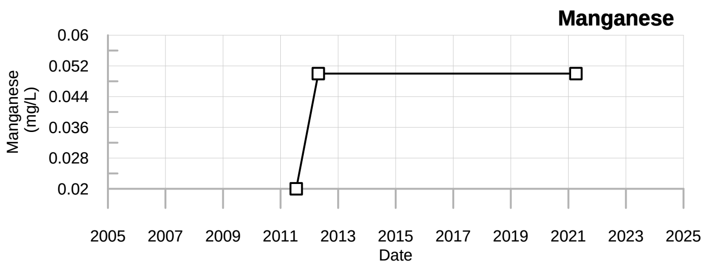


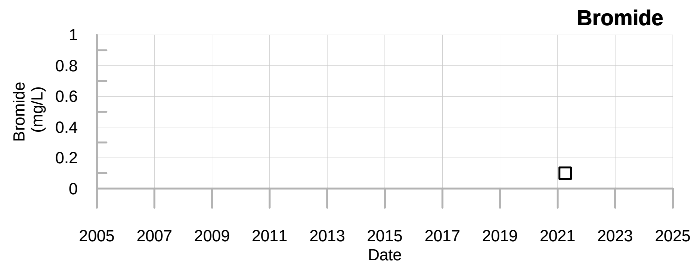












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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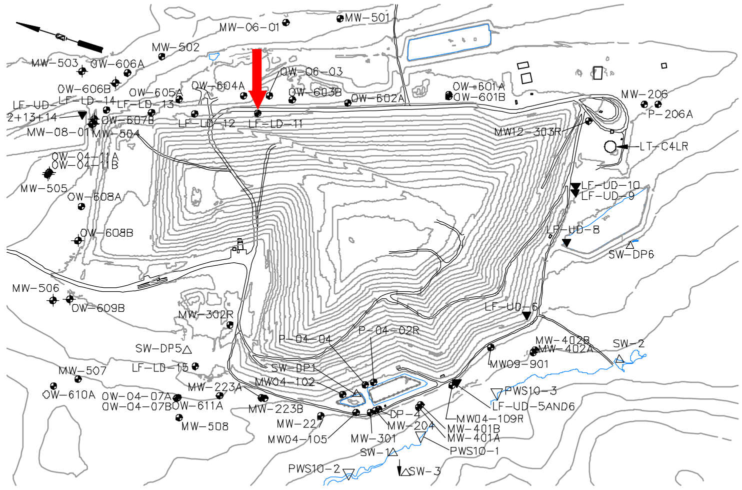
LF-COMP
Juniper Ridge Landfill

Well Description

LF-LD-11 monitors the leak detection system for Cell 11 from the Cell 11 leak detection system pump station.



Sampled: **Annually in summer***

Sampled Since: **Apr-21**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	972	940	938	978	568	to	1275	900	±	17.000	65
pH (STU)	7.4	7.4	7.2	7.3	6.3	to	7.9	6.9	±	0.037	65
Temperature (Deg C)	19.6	24.9	23	22.7	13.2	to	25.9	19	±	0.360	65
Eh (mV)	372	↑451	↑422	↑456	130	to	420	320	±	8.200	65
Dissolved Oxygen (mg/L)	6	6	6	8	1.5	to	9	5	±	0.180	65
Flow Rate (cfs)		0.035	0.035	0.0236	0.0189	to	0.035	0.031	±	0.003	6
Total Flow (gallons)			↑7527418	↑7530408	44128	to	58785	50000	±	2600.000	6
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005 U	0.005	±	0.000	4
Calcium (mg/L)			140		120	to	150	140	±	7.100	4
Copper (mg/L)			0.003 U		0.003 U	to	0.006 U	0.0038	±	0.001	4
Iron (mg/L)			0.05 U		0.05 U	to	0.17	0.08	±	0.030	4
Magnesium (mg/L)			29		26	to	33	30	±	1.700	4
Manganese (mg/L)			0.05 U		0.05 U	to	0.56	0.21	±	0.120	4
Potassium (mg/L)			7.9		7.1	to	8.3	7.6	±	0.280	4
Sodium (mg/L)			↑15		10	to	14	12	±	0.850	4
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	4
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	4
Nitrite/Nitrate - (N) (mg/L)			1.2		0.31	to	1.3	0.72	±	0.210	4
Total Dissolved Solids (mg/L)			567		494	to	597	550	±	22.000	4
Total Suspended Solids (mg/L)			↑8.3		2.5 U	to	2.5 U	2.5	±	0.000	4
Sulfate (mg/L)			45		34	to	72	48	±	8.300	4
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	4
Alkalinity (CaCO3) (mg/L)			460		430	to	470	450	±	8.500	4
Alkalinity (CaCO3) (field) (mg/L)	400	400	350	250	125	to	500	370	±	11.000	57
Organic Carbon (mg/L)			↑2.4		2 U	to	2.3	2.1	±	0.075	4
Chloride (mg/L)			1 U		1 U	to	3.2	2	±	0.590	4
Bromide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	4
Turbidity (field) (NTU)	8.4	6.6	0.9	0.5	0.3	to	36.6	3.8	±	0.730	65
Methane (ug/L)			↓5.2 U		20 U	to	59	31	±	9.400	4

underlined/bold - values exceed a regulatory standard listed below.

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↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

*Field parameters measured monthly by NEWSME.

Q1= 1 - 2024 U = Not Detected above the laboratory reporting limit.
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

Data Group: 245
Printed: 4/16/2025 11:25

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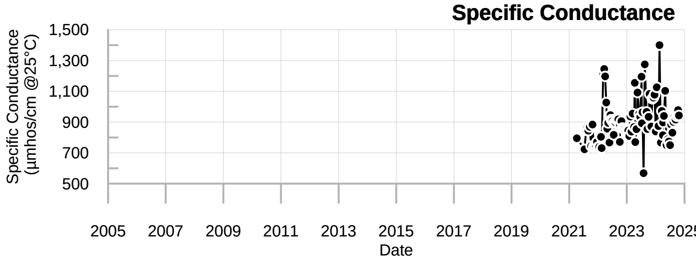

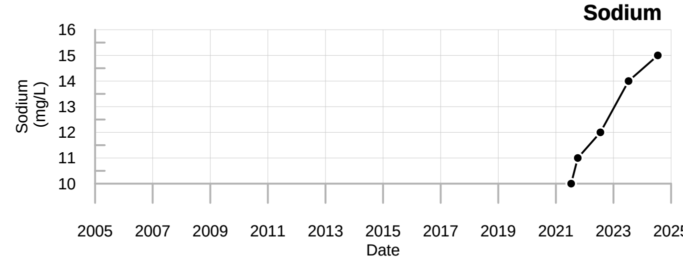

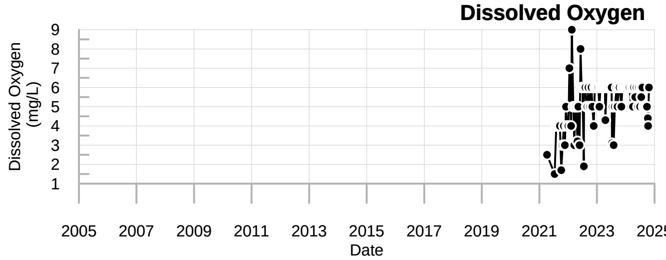

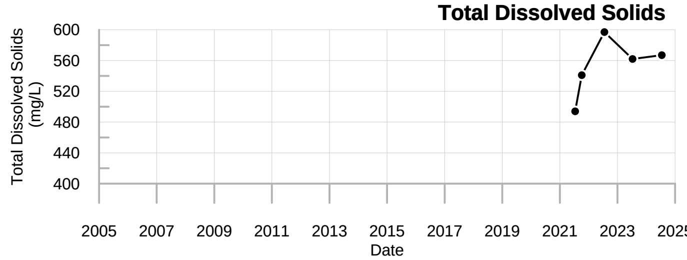

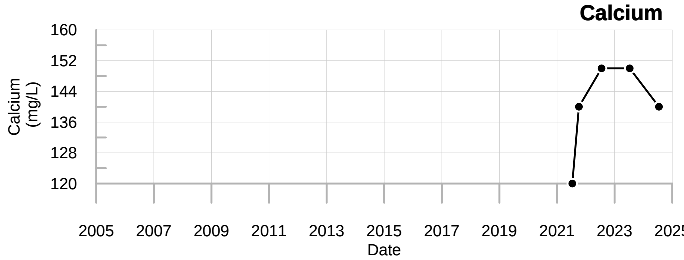

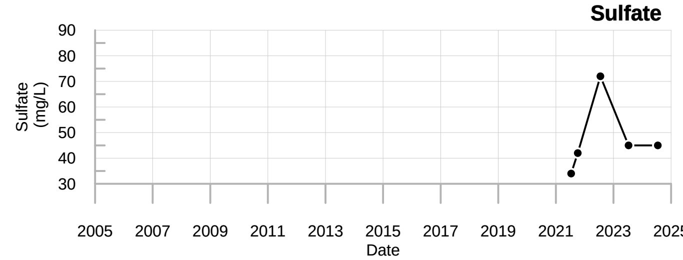

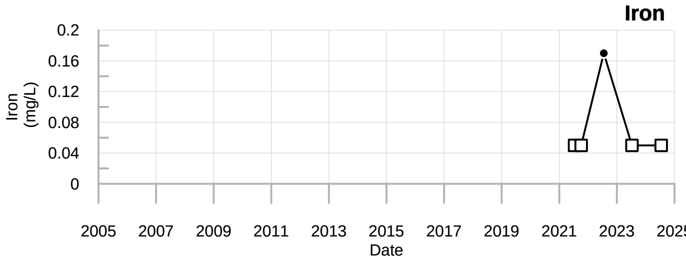

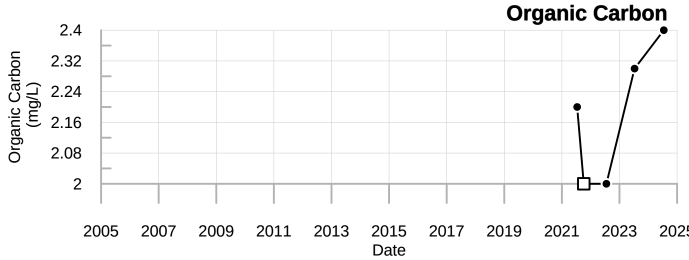

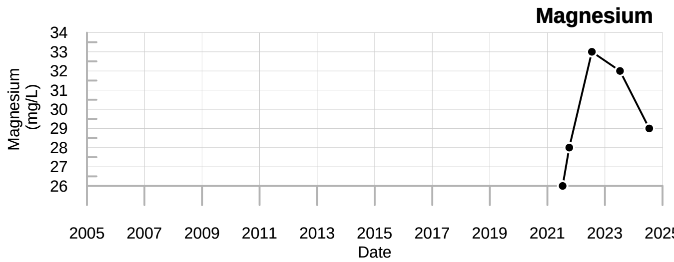

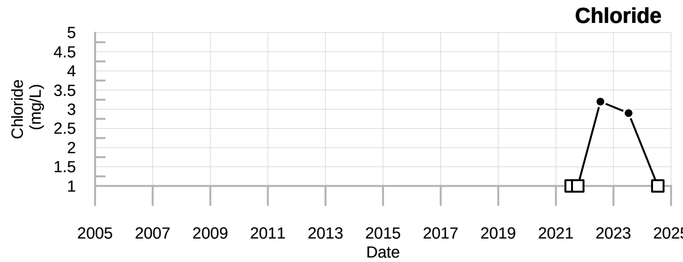

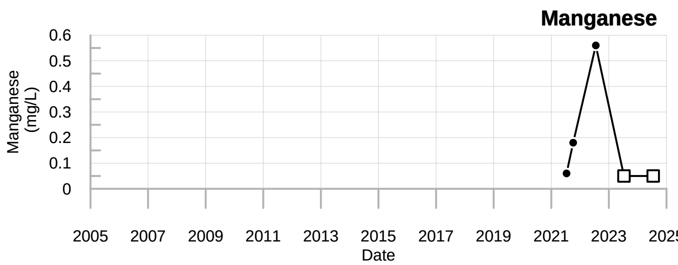

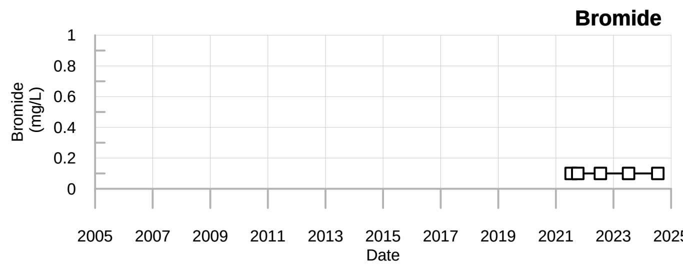

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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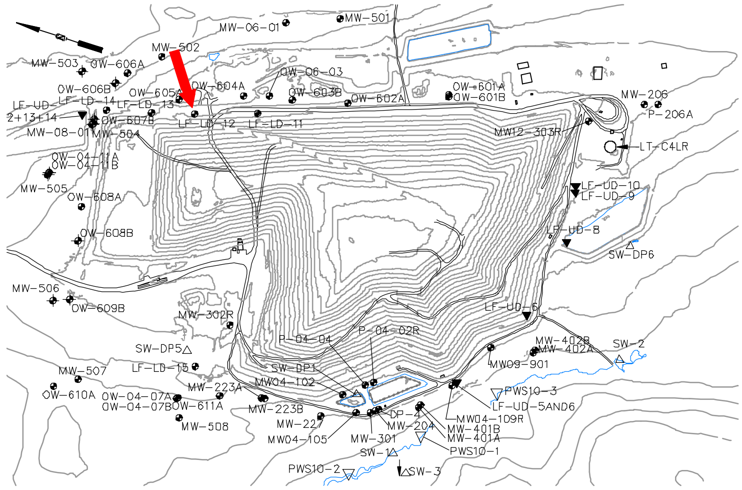
LF-LD-11

Juniper Ridge Landfill

Well Description

LF-LD-12 monitors the leak detection system for Cell 12 from the Cell 12 leak detection system pump station



Sampled: **Annually in summer***

Sampled Since: **Apr-21**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	972	909	920	964	300	to	1410	600	±	25.000	65
pH (STU)	6.7	6.8	6.6	6.8	4.3	to	7	6.4	±	0.043	65
Temperature (Deg C)	20.4	25.3	23.9	22.7	15.3	to	25.9	20	±	0.320	65
Eh (mV)	245	330	398	368	74	to	405	280	±	8.900	65
Dissolved Oxygen (mg/L)	6	6	6	5.6	0.8	to	7	4	±	0.210	65
Flow Rate (cfs)		0.0205	↑0.0352	0.0207	0.0176	to	0.0245	0.021	±	0.001	6
Total Flow (gallons)		↑71745	↑79757	↑83612	1910	to	14410	6700	±	2100.000	6
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005	0.005	±	0.000	4
Calcium (mg/L)			↑130		47	to	91	75	±	9.900	4
Copper (mg/L)			↑0.0042		0.003 U	to	0.003 U	0.003	±	0.000	4
Iron (mg/L)			↑5.7		0.06	to	1.2	0.48	±	0.250	4
Magnesium (mg/L)			↑21		8.1	to	16	13	±	1.900	4
Manganese (mg/L)			↑15		0.77	to	5.9	3.8	±	1.200	4
Potassium (mg/L)			↑5.9		3.2	to	4.5	4.1	±	0.310	4
Sodium (mg/L)			↑14		6.3	to	9.2	7.6	±	0.620	4
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	4
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	4
Nitrite/Nitrate - (N) (mg/L)			0.05 U		0.05 U	to	0.1	0.066	±	0.012	4
Total Dissolved Solids (mg/L)			↑566		240	to	397	320	±	33.000	4
Total Suspended Solids (mg/L)			↑8.3 U		2.5 U	to	6.7	3.6	±	1.100	4
Sulfate (mg/L)			↑120		20	to	48	35	±	6.100	4
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	4
Alkalinity (CaCO3) (mg/L)			↑300		160	to	290	240	±	28.000	4
Alkalinity (CaCO3) (field) (mg/L)	350	325	200	200	150	to	475	280	±	8.000	56
Organic Carbon (mg/L)			↑6.5		2.4	to	3.8	3.3	±	0.310	4
Chloride (mg/L)			↑37		1 U	to	2.2	1.4	±	0.280	4
Bromide (mg/L)			↑0.57		0.1 U	to	0.1 U	0.1	±	0.000	4
Turbidity (field) (NTU)	5.6	4.3	↑54.9	9.6	0.2	to	47.8	5	±	0.810	65
Methane (ug/L)			↑270		48	to	240	170	±	45.000	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

*Field parameters measured monthly by NEWSME.

Q1= 1 - 2024 U = Not Detected above the laboratory reporting limit.
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

Data Group: 245
Printed: 4/16/2025 11:25

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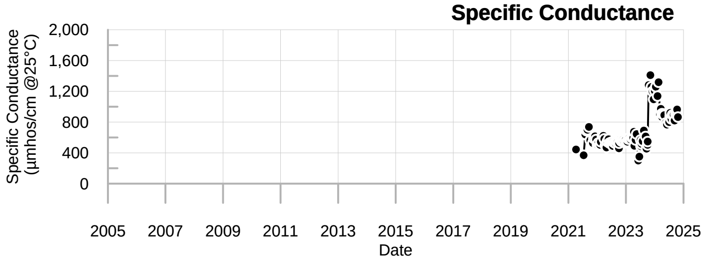

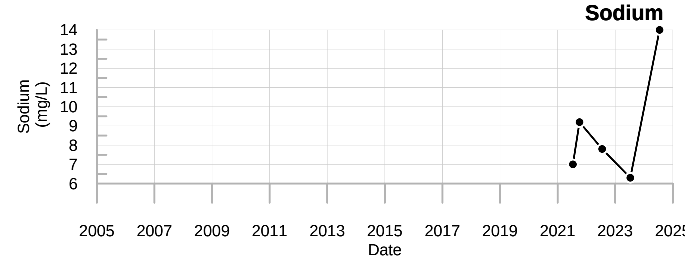

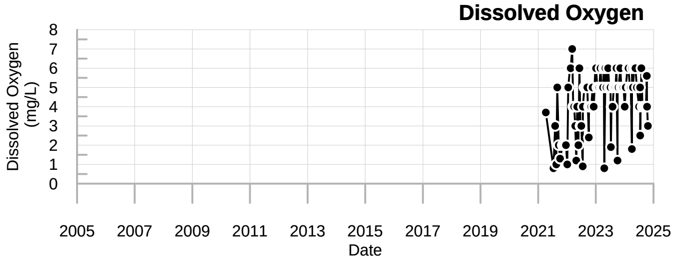

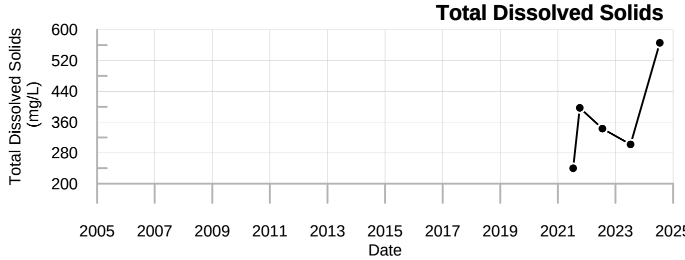

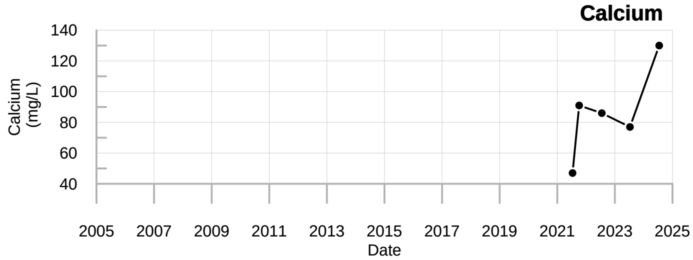

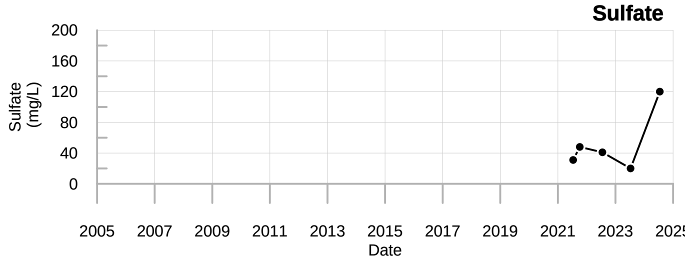

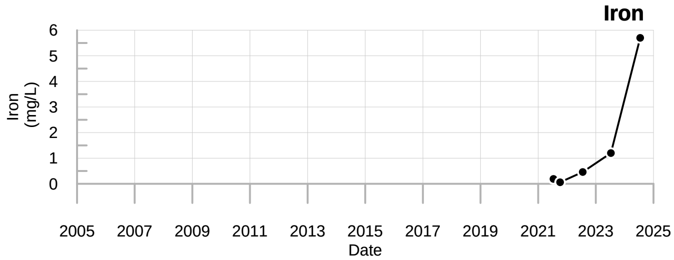

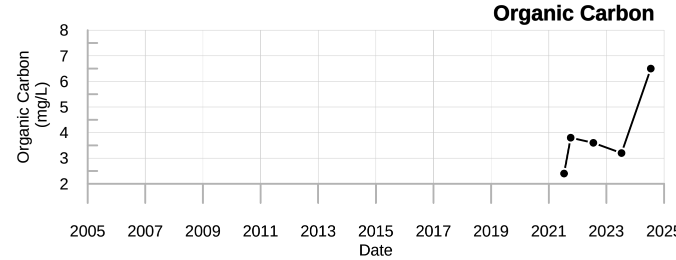

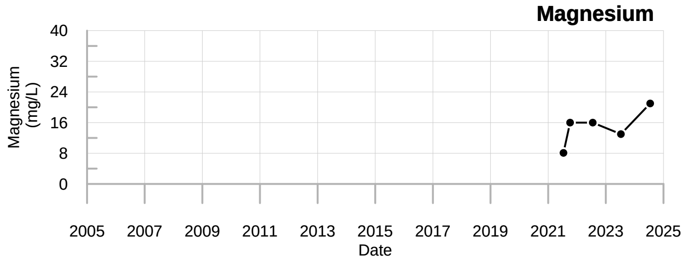

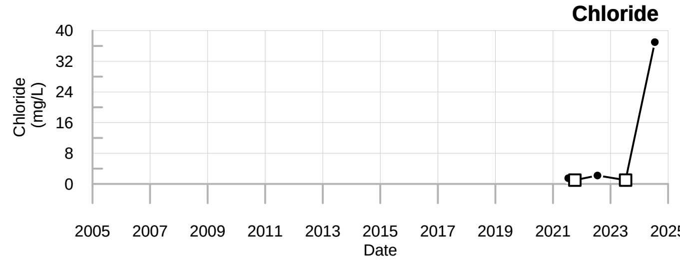

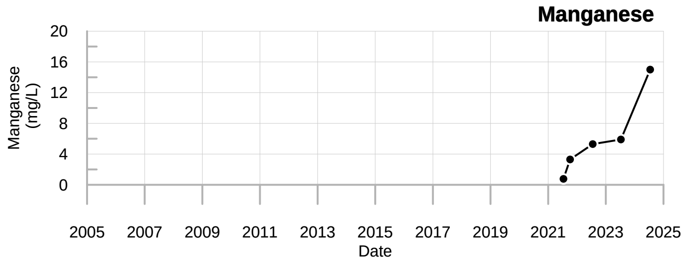

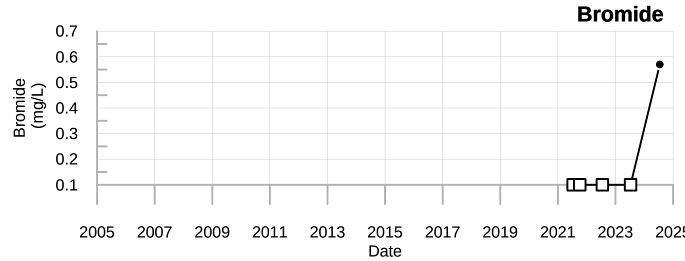

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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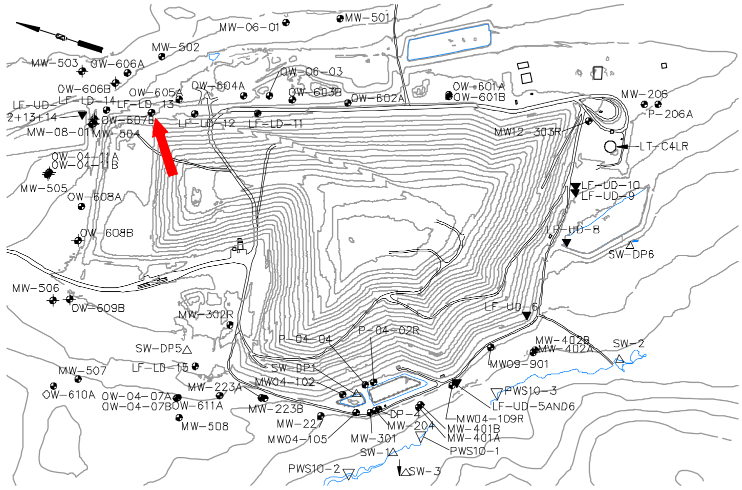
LF-LD-12
Juniper Ridge Landfill

Well Description

LF-LD-13 monitors the leak detection system for Cell 13 from the Cell 13 leak detection system pump station.



Sampled: **Annually in summer***

Sampled Since: **9/14/2021**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	↑690	↑582	↑568	↑626	185	to	557	340	±	10.000	61
pH (STU)	6.8	6.9	6.6	6.8	6.1	to	23.7	6.9	±	0.280	61
Temperature (Deg C)	20.9	24.9	25.4	23.2	6.8	to	27.9	20	±	0.430	61
Eh (mV)	277	314	↑714	338	115	to	404	280	±	7.900	61
Dissolved Oxygen (mg/L)	6	5	5	6.3	1.3	to	9	5.2	±	0.180	59
Flow Rate (cfs)		0.0147	0.0147	↓0.0111	0.0131	to	0.0158	0.015	±	0.000	5
Total Flow (gallons)		↑12898	↑13094	↑15693	11967	to	12162	12000	±	57.000	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005 U	0.005	±	0.000	2
Calcium (mg/L)			↑66		43	to	61	52	±	9.000	2
Copper (mg/L)			↑0.0031		0.003 U	to	0.003 U	0.003	±	0.000	2
Iron (mg/L)			↑0.52		0.05 U	to	0.13	0.09	±	0.040	2
Magnesium (mg/L)			↑14		9	to	13	11	±	2.000	2
Manganese (mg/L)			↑4.6		0.48	to	2.5	1.5	±	1.000	2
Potassium (mg/L)			4.6		4.1	to	4.7	4.4	±	0.300	2
Sodium (mg/L)			↑9.6		6.4	to	8.6	7.5	±	1.100	2
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	2
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	2
Nitrite/Nitrate - (N) (mg/L)			↓0.05 U		0.066	to	0.07	0.068	±	0.002	2
Total Dissolved Solids (mg/L)			↑333		207	to	265	240	±	29.000	2
Total Suspended Solids (mg/L)			↑8.3 U		2.5 U	to	2.5 U	2.5	±	0.000	2
Sulfate (mg/L)			↑51		28	to	29	29	±	0.500	2
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	2
Alkalinity (CaCO3) (mg/L)			↑210		130	to	190	160	±	30.000	2
Alkalinity (CaCO3) (field) (mg/L)	250	200	175	150	70	to	250	140	±	6.200	55
Organic Carbon (mg/L)			↑4.1		2.7	to	3.3	3	±	0.300	2
Chloride (mg/L)			↑12		1.7	to	2.2	2	±	0.250	2
Bromide (mg/L)			↑0.32		0.1	to	0.15	0.13	±	0.025	2
Turbidity (field) (NTU)	7.5	9	7.2	1.6	0.3	to	209	6.4	±	3.400	61
Methane (ug/L)			↑300		39	to	53	46	±	7.000	2

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

*Field parameters measured monthly by NEWSME.

Q1= 1 - 2024

U = Not Detected above the laboratory reporting limit.

Q2= 4 - 2024

Q3= 7 - 2024

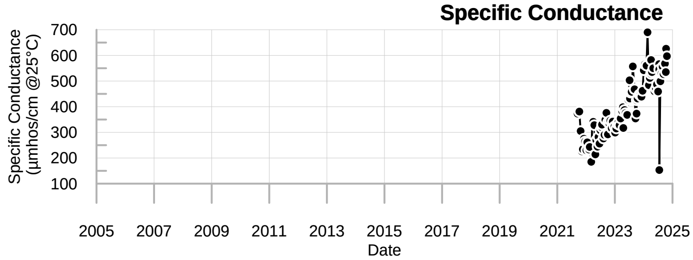
Q4= 10 - 2024

Data Group: 245

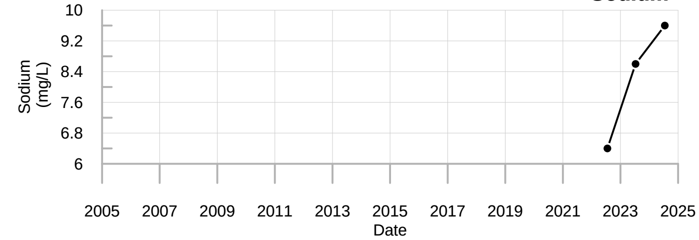
Printed: 4/16/2025 11:25

SEVEE & MAHER ENGINEERS

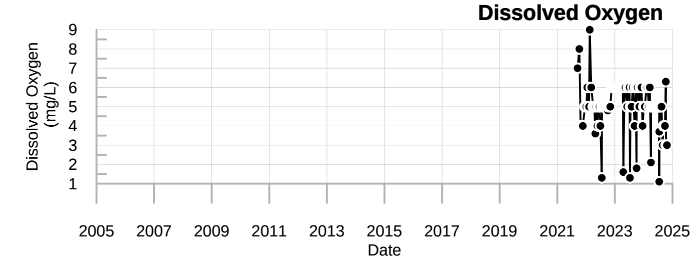
Specific Conductance



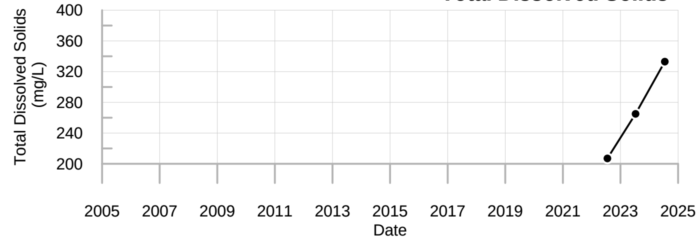
Sodium



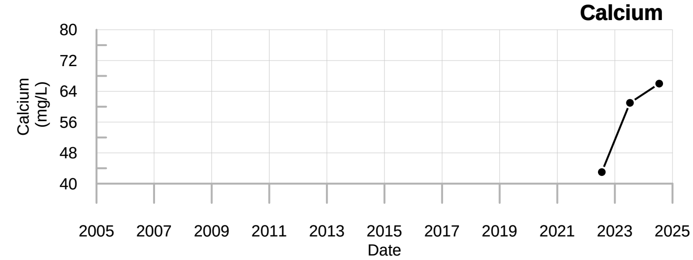
Dissolved Oxygen



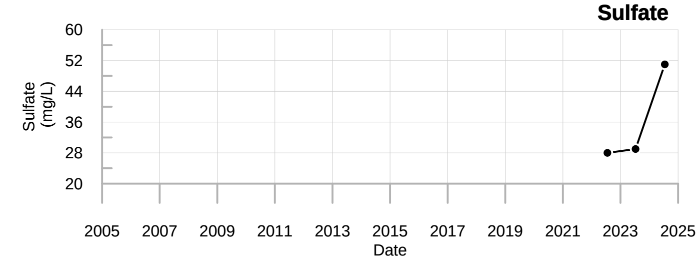
Total Dissolved Solids



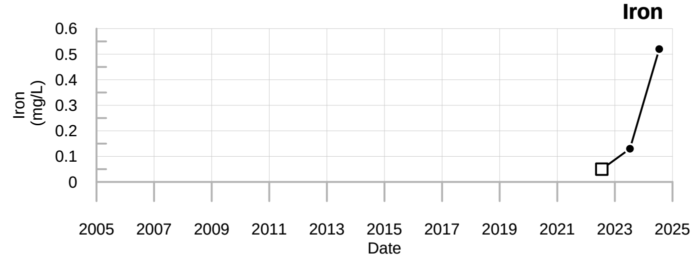
Calcium



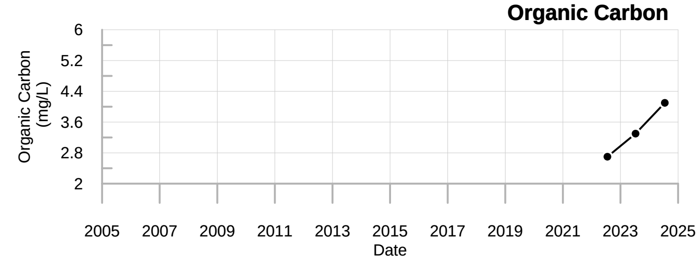
Sulfate



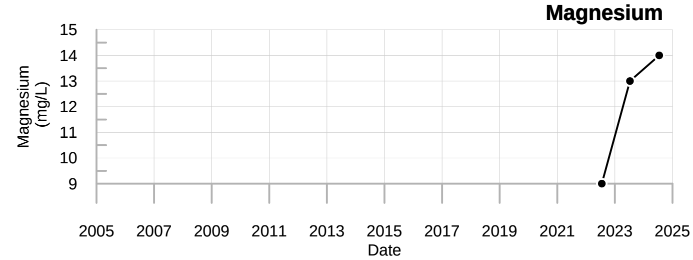
Iron



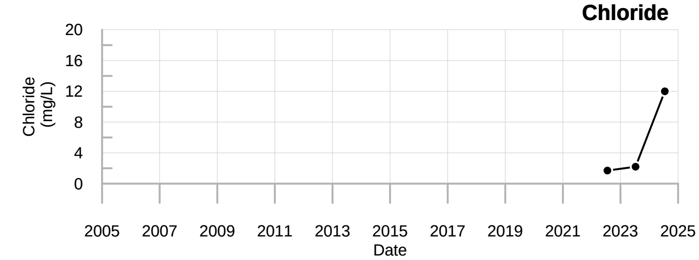
Organic Carbon



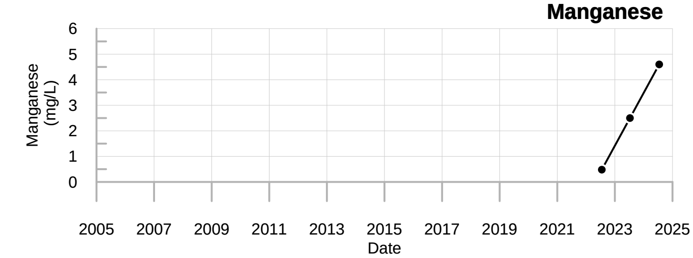
Magnesium



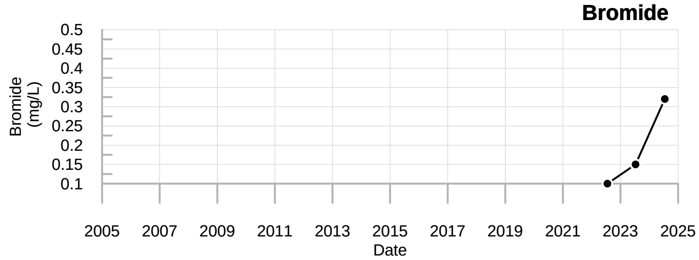
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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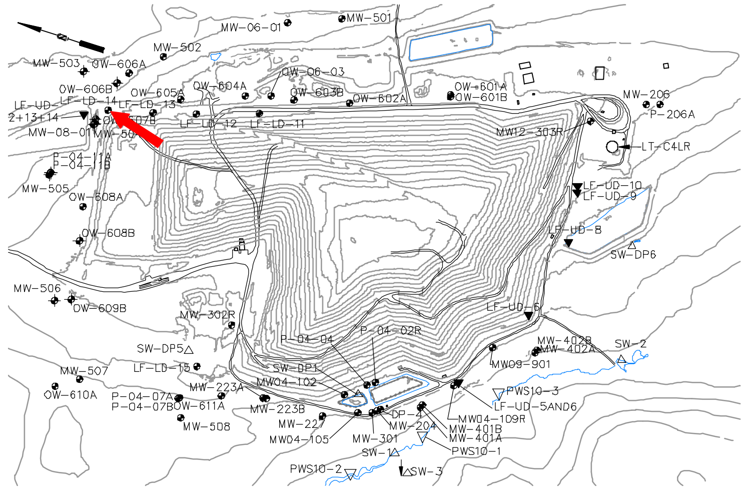
LF-LD-13
Juniper Ridge Landfill

Well Description

LF-LD-14 monitors the leak detection system for Cell 14 from the Cell 14 leak detection system pump station.



Sampled: **Annually in summer***

Sampled Since: **7/26/2022**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	798	↑892	↑854	↑836	319	to	803	550	±	18.000	39
pH (STU)	7	7.1	6.9	6.9	6.5	to	7.4	7	±	0.044	39
Temperature (Deg C)	20.6	25.4	24.5	22.8	14.3	to	27.6	20	±	0.510	39
Eh (mV)	209	313	345	345	137	to	399	270	±	9.700	39
Dissolved Oxygen (mg/L)	6	6	5	↑6.4	1.8	to	6	5.4	±	0.160	39
Flow Rate (cfs)		↓0.0022	0.0129	↑0.105	0.0045	to	0.0147	0.011	±	0.003	3
Total Flow (gallons)		↑208320	↑243945	↑267369	32626	to	32626	33000	±	0.000	1
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005 U	0.005	±	0.000	1
Calcium (mg/L)			↑120		96	to	96	96	±	0.000	1
Copper (mg/L)			0.003		0.003 U	to	0.003 U	0.003	±	0.000	1
Iron (mg/L)			↑1.6		0.72	to	0.72	0.72	±	0.000	1
Magnesium (mg/L)			↑25		22	to	22	22	±	0.000	1
Manganese (mg/L)			↑4.7		1.3	to	1.3	1.3	±	0.000	1
Potassium (mg/L)			↓6.7		7	to	7	7	±	0.000	1
Sodium (mg/L)			7.8		7.8	to	7.8	7.8	±	0.000	1
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	1
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	1
Nitrite/Nitrate - (N) (mg/L)			↓0.05 U		0.088	to	0.088	0.088	±	0.000	1
Total Dissolved Solids (mg/L)			↑474		368	to	368	370	±	0.000	1
Total Suspended Solids (mg/L)			↑8.3 U		2.5 U	to	2.5 U	2.5	±	0.000	1
Sulfate (mg/L)			↑24		19	to	19	19	±	0.000	1
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	1
Alkalinity (CaCO3) (mg/L)			↑410		310	to	310	310	±	0.000	1
Alkalinity (CaCO3) (field) (mg/L)	400	400	250	250	150	to	400	270	±	11.000	35
Organic Carbon (mg/L)			↑3.9		3.6	to	3.6	3.6	±	0.000	1
Chloride (mg/L)			↓1.1		2.2	to	2.2	2.2	±	0.000	1
Bromide (mg/L)			↑0.11		0.1	to	0.1	0.1	±	0.000	1
Turbidity (field) (NTU)	9.1	24.2	6.2	↑93.9	0.2	to	44.6	11	±	1.300	39
Methane (ug/L)			↑600		79	to	79	79	±	0.000	1

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

*Field parameters measured monthly by NEWSME.

Q1= 1 - 2024

Q2= 4 - 2024

Q3= 7 - 2024

Q4= 10 - 2024

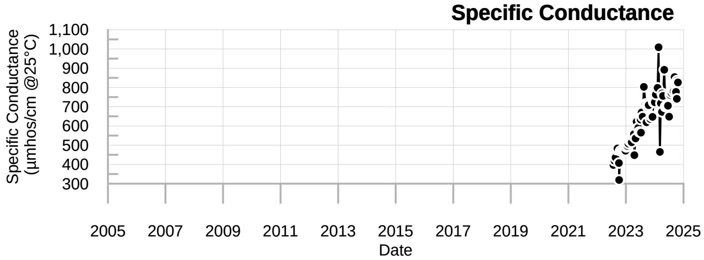
U = Not Detected above the laboratory reporting limit.

Data Group: 245

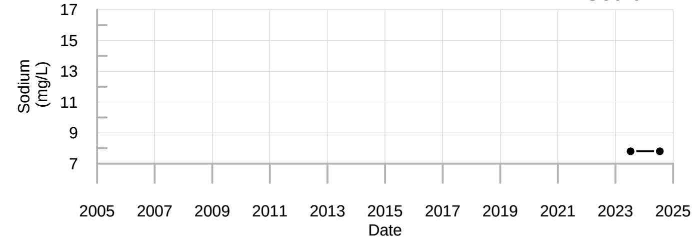
Printed: 4/16/2025 11:25

SME SEVEE & MAHER ENGINEERS

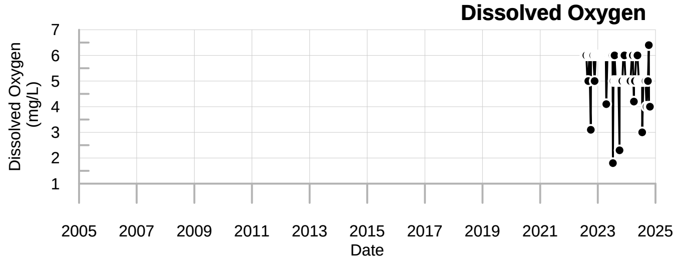
Specific Conductance



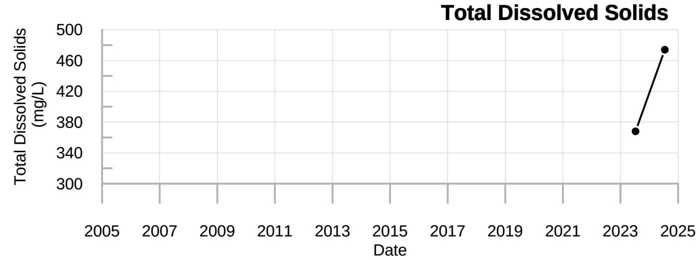
Sodium



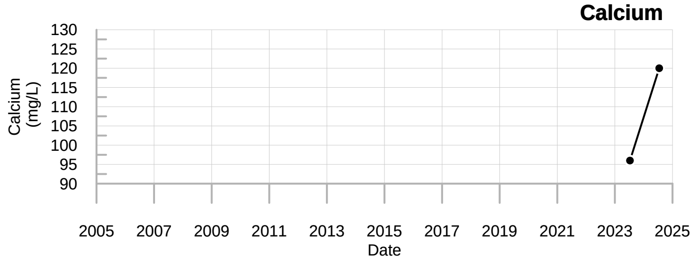
Dissolved Oxygen



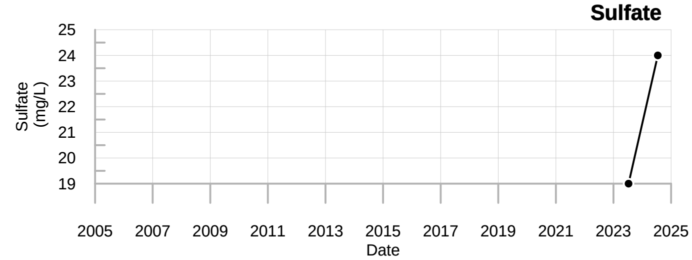
Total Dissolved Solids



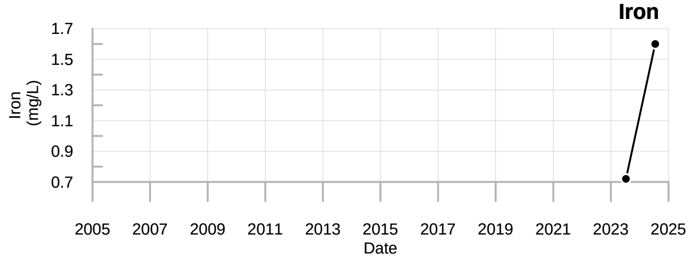
Calcium



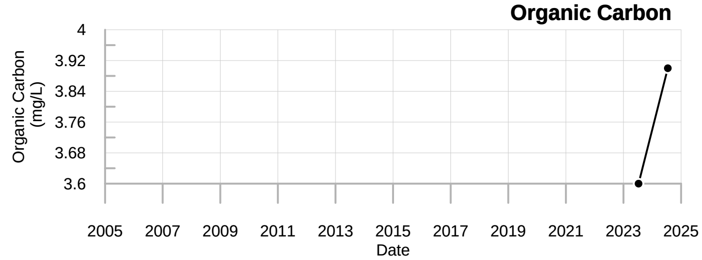
Sulfate



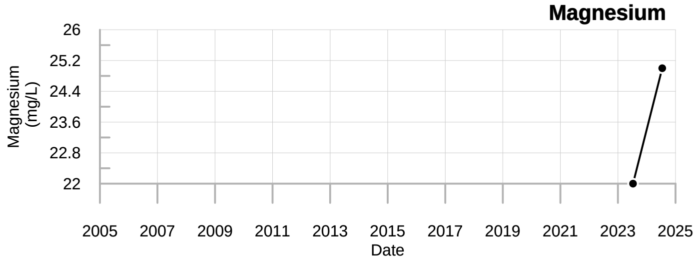
Iron



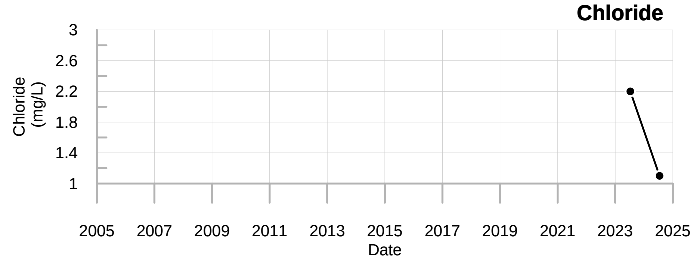
Organic Carbon



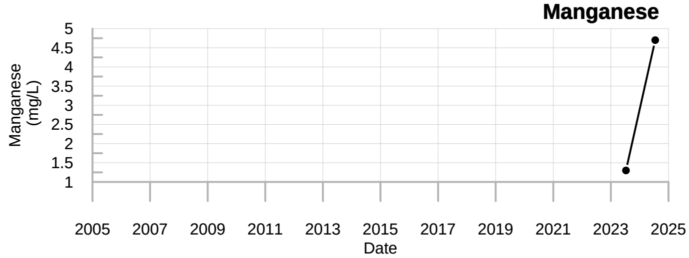
Magnesium



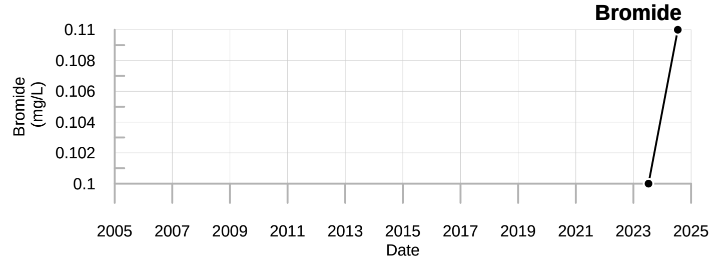
Chloride



Manganese



Bromide



LEGEND

- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

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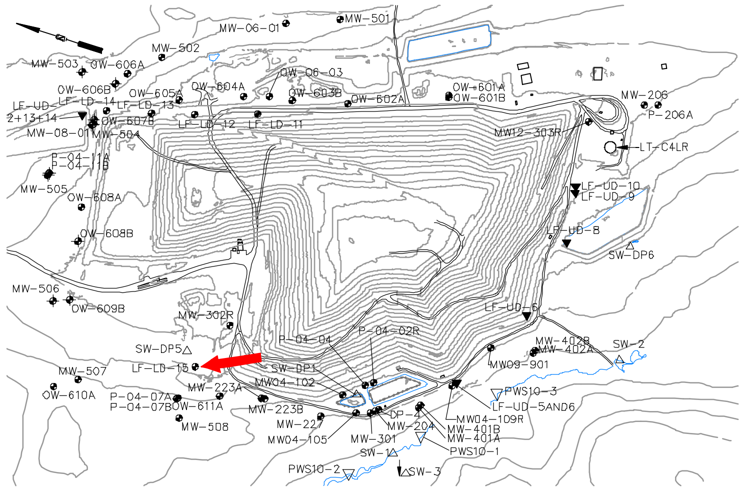
LF-LD-14
Juniper Ridge Landfill

Well Description

LF-LD-15 monitors the leak detection system for Cell 15 from the Cell 15 leak detection pump station.



Sampled: **Annually in summer***

Sampled Since: **7/18/2023**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min to Max	Mean ± SE	n
Specific Conductance (µmhos/cm @25°C)	738	↑788	↑925	↑981	307 to 761	500 ± 46.000	9
pH (STU)	7.6	7.3	7.1	7.1	7 to 7.8	7.5 ± 0.073	9
Temperature (Deg C)	↓17.8	24.9	21.7	22.6	18.6 to 25.3	21 ± 0.810	9
Eh (mV)	259	321	↑373	↑494	63 to 353	220 ± 32.000	9
Dissolved Oxygen (mg/L)	6	6	↑7.6	↑6.4	4.2 to 6	5.5 ± 0.230	9
Flow Rate (cfs)		↓0.0022	↑0.015	↑0.01493	0.0145 to 0.0145	0.015 ± 0.000	1
Arsenic (mg/L)			0.005 U	0.005 U	No historical data for Arsenic.		
Calcium (mg/L)			160	130	No historical data for Calcium.		
Copper (mg/L)			0.0032	0.003 U	No historical data for Copper.		
Iron (mg/L)			0.17	0.062	No historical data for Iron.		
Magnesium (mg/L)			27	26	No historical data for Magnesium.		
Manganese (mg/L)			5.1	3.3	No historical data for Manganese.		
Potassium (mg/L)			8.5	7.2	No historical data for Potassium.		
Sodium (mg/L)			9.7	9.1	No historical data for Sodium.		
Boron (mg/L)			0.05 U	0.05 U	No historical data for Boron.		
Ammonia (N) (mg/L)			0.5 U	0.5 U	No historical data for Ammonia (N).		
Nitrite/Nitrate - (N) (mg/L)			0.05 U	0.05 U	No historical data for Nitrite/Nitrate - (N).		
Total Dissolved Solids (mg/L)			565	536	No historical data for Total Dissolved Solids.		
Total Suspended Solids (mg/L)			8.3 U	8.3 U	No historical data for Total Suspended Solids.		
Sulfate (mg/L)			13	16	No historical data for Sulfate.		
Sulfide (mg/L)			0.1 U	0.1 U	No historical data for Sulfide.		
Alkalinity (CaCO3) (mg/L)			510	500	No historical data for Alkalinity (CaCO3).		
Alkalinity (CaCO3) (field) (mg/L)	↑350	↑350	250	200	150 to 250	200 ± 14.000	8
Organic Carbon (mg/L)			1.5	1.4	No historical data for Organic Carbon.		
Chloride (mg/L)			1 U	3.6	No historical data for Chloride.		
Bromide (mg/L)			0.1 U	0.1 U	No historical data for Bromide.		
Turbidity (field) (NTU)	7.7	7	7.5	9.9	0.4 to 22.9	9.6 ± 2.100	9
Methane (ug/L)			570	1400	No historical data for Methane.		

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

*Field parameters measured monthly by NEWSME.

Q1= 1 - 2024 U = Not Detected above the laboratory reporting limit.

Q2= 4 - 2024

Q3= 7 - 2024

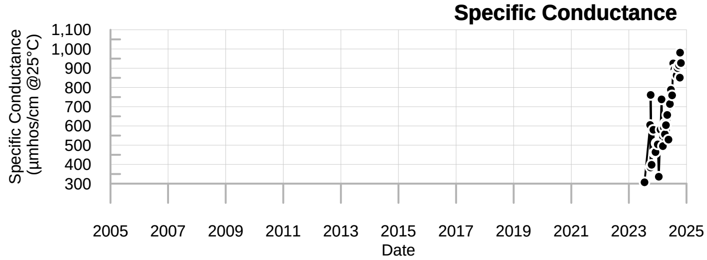
Q4= 10 - 2024

Data Group: 245

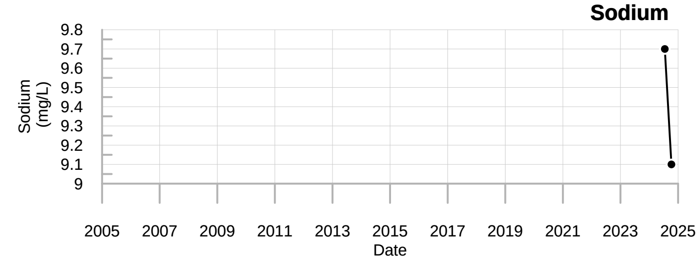
Printed: 4/16/2025 11:25

SME SEVEE & MAHER ENGINEERS

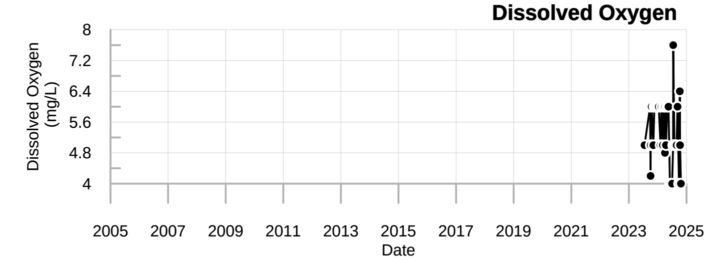
Specific Conductance



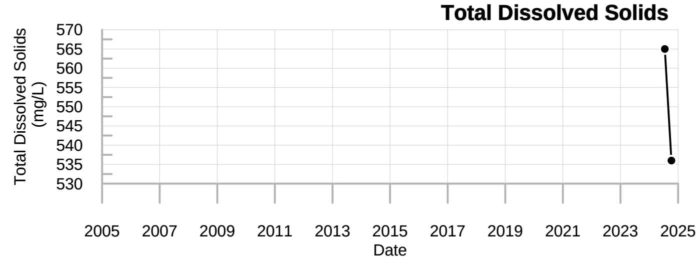
Sodium



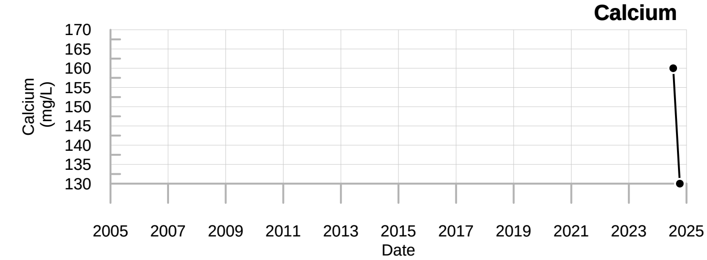
Dissolved Oxygen



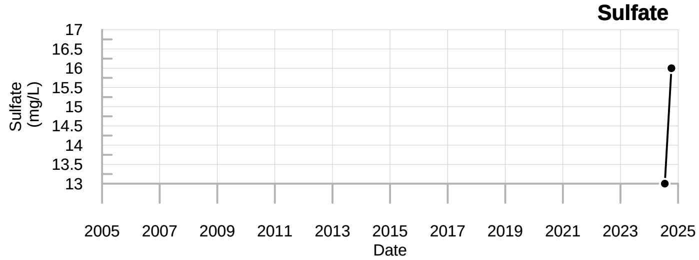
Total Dissolved Solids



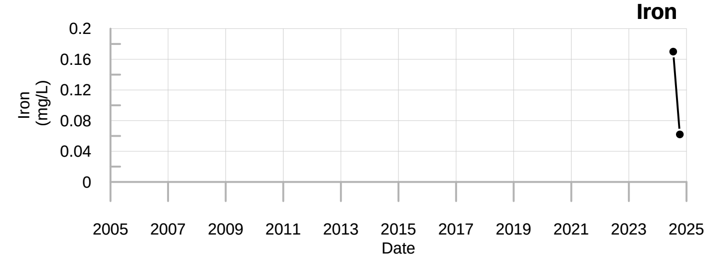
Calcium



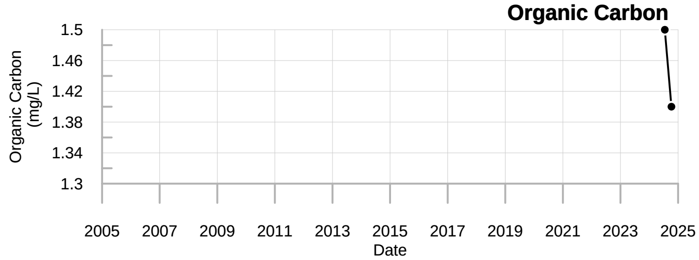
Sulfate



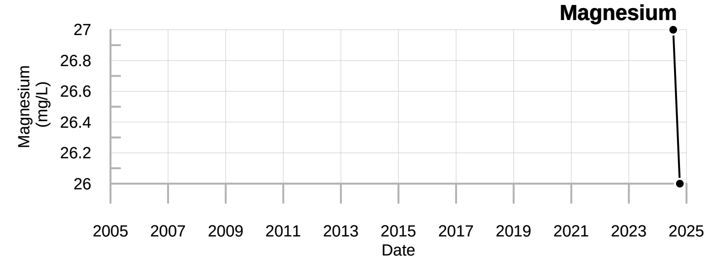
Iron



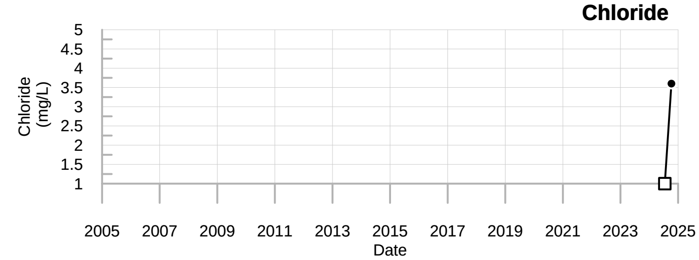
Organic Carbon



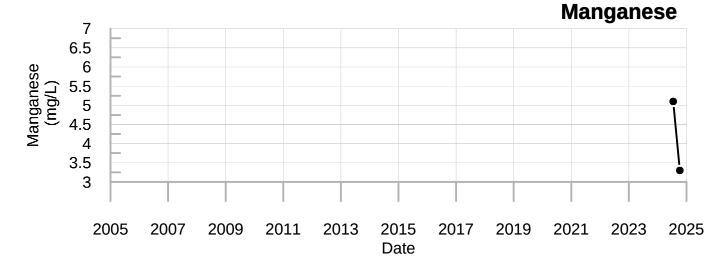
Magnesium



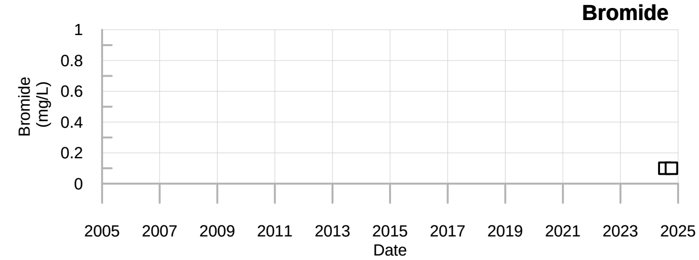
Chloride



Manganese



Bromide



LEGEND

- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

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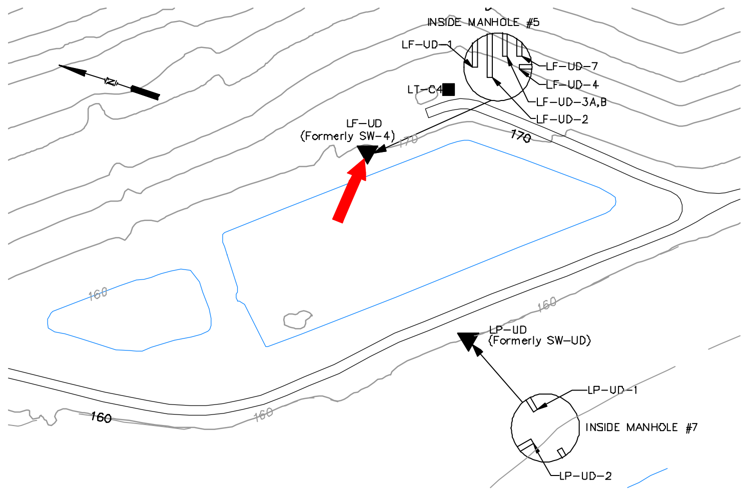
LF-LD-15
Juniper Ridge Landfill

Well Description

LF-UD-1 monitors the landfill underdrain from Cell #1 at Manhole #5.



Sampled: **Monthly & 3 Times Annually**

Sampled Since: **07/28/04**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	H8	H8	H8	H8	102	to	611	330	±	6.000	139
pH (STU)	H8	H8	H8	H8	6.3	to	8.4	7.3	±	0.042	139
Temperature (Deg C)	H8	H8	H8	H8	0.6	to	25.9	14	±	0.440	139
Eh (mV)	H8	H8	H8	H8	173	to	524	340	±	5.300	139
Dissolved Oxygen (mg/L)	H8	H8	H8	H8	2	to	11	6.6	±	0.140	138
Flow Rate (cfs)	H8	H8	H8	H8	0.00002	to	0.0067	0.0012	±	0.000	119
Arsenic (mg/L)		D	F6	F6	0.001	to	0.015	0.0058	±	0.001	30
Calcium (mg/L)		D	F6	F6	25	to	58	43	±	1.700	30
Iron (mg/L)		D	F6	F6	0.02 U	to	4.57	0.22	±	0.150	30
Magnesium (mg/L)		D	F6	F6	7.4	to	14	10	±	0.290	30
Manganese (mg/L)		D	F6	F6	0.02 U	to	0.1	0.034	±	0.004	30
Potassium (mg/L)		D	F6	F6	1.8	to	4.1	3	±	0.140	30
Sodium (mg/L)		D	F6	F6	5.8	to	10	8	±	0.190	30
Nitrite/Nitrate - (N) (mg/L)		D	F6	F6	0.07	to	2 U	0.52	±	0.250	7
Total Phosphorus Mixed Forms (PO4 and		D	F6	F6	0.01 U	to	0.33	0.039	±	0.011	30
Total Dissolved Solids (mg/L)		D	F6	F6	130	to	290	200	±	7.100	30
Total Suspended Solids (mg/L)		D	F6	F6	2.5 U	to	394	23	±	13.000	30
Sulfate (mg/L)		D	F6	F6	4.1	to	35	9.6	±	1.200	30
Bicarbonate Alkalinity (CaCO3) (mg/L)		D	F6	F6	110	to	179	150	±	4.200	30
Alkalinity (CaCO3) (field) (mg/L)			H8		40	to	485	140	±	4.200	132
Organic Carbon (mg/L)		D	F6	F6	0.5 U	to	6.4	1.9	±	0.190	30
Chloride (mg/L)		D	F6	F6	1.9	to	26	9.1	±	1.500	30
Bromide (mg/L)		D	F6	F6	0.1 U	to	0.21	0.15	±	0.014	11
Turbidity (field) (NTU)	H8	H8	H8	H8	0	to	8.1	1.1	±	0.110	138

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

H8 = No flow from pipe. See LF-COMP for readings

H2 = Water level higher than pipes. See LF-COMP for readings

F6 = No flow. Sample not taken.

D = The sampling location was dry.

Data Group: 245
Printed: 4/16/2025 11:25

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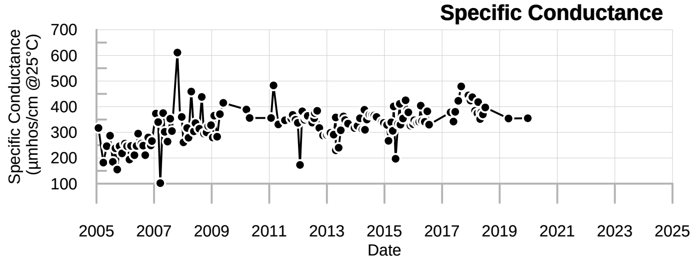
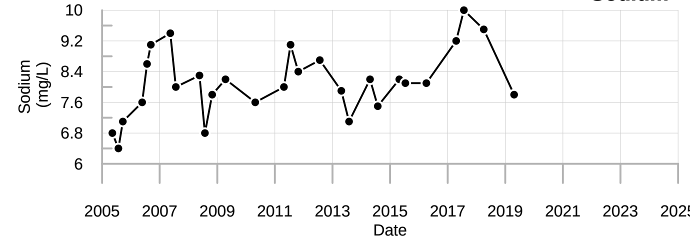
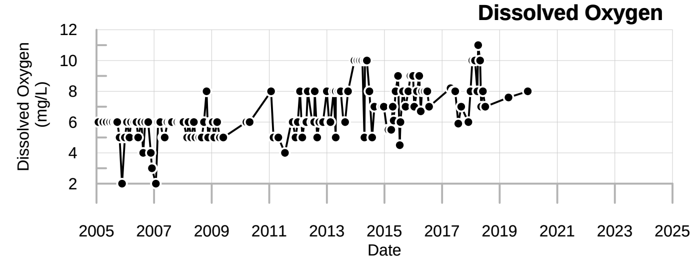
Specific Conductance



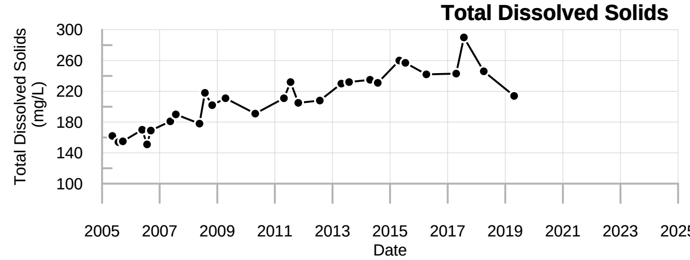
Sodium



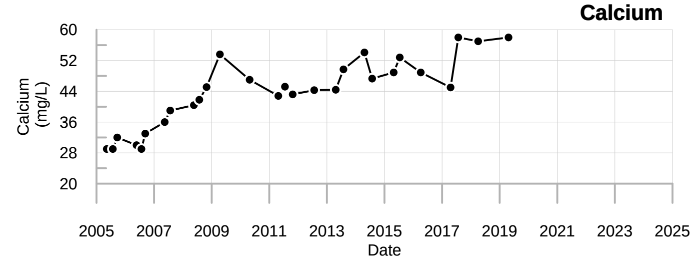
Dissolved Oxygen



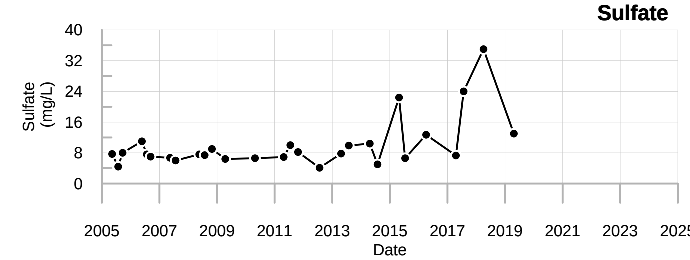
Total Dissolved Solids



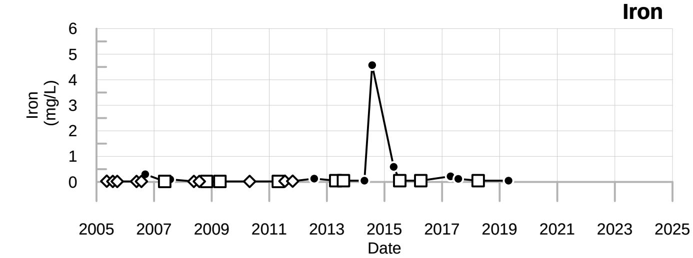
Calcium



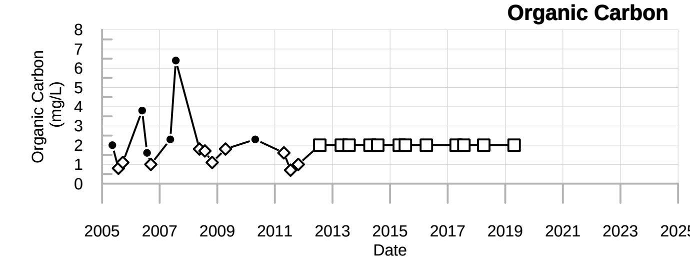
Sulfate



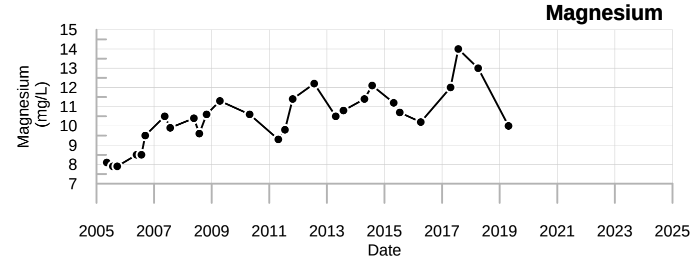
Iron



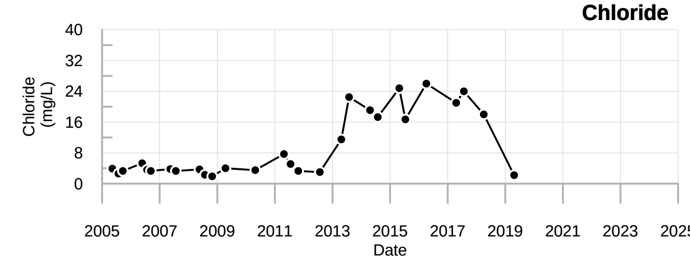
Organic Carbon



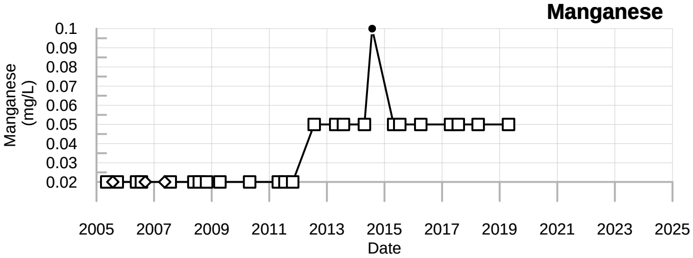
Magnesium



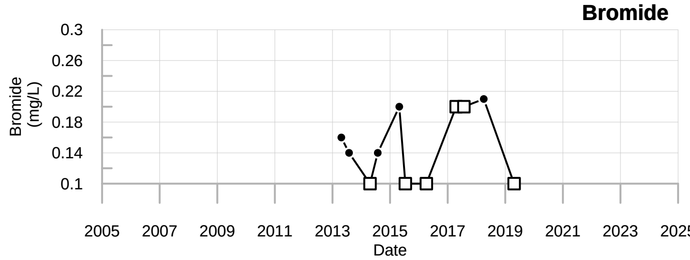
Chloride



Manganese



Bromide



LEGEND

- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

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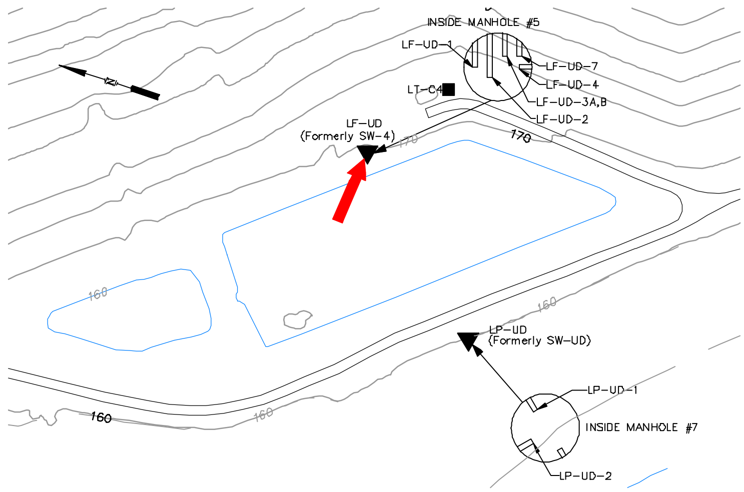
LF-UD-1
Juniper Ridge Landfill

Well Description

LF-UD-2 monitors the landfill underdrain from Cell #2 at Manhole #5.



Sampled: **Monthly & 3 Times Annually**

Sampled Since: **07/28/04**

Sampling Method: **Grab**

Chemical Summary

	2024				Historical (11/1/1990 - 12/31/2023)						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	H8	H8	H8	H8	134	to	709	330	±	6.200	202
pH (STU)	H8	H8	H8	H8	6	to	8.5	7.5	±	0.036	202
Temperature (Deg C)	H8	H8	H8	H8	2.2	to	28.4	16	±	0.360	202
Eh (mV)	H8	H8	H8	H8	168	to	554	340	±	4.800	202
Dissolved Oxygen (mg/L)	H8	H8	H8	H8	2	to	10.2	6.4	±	0.095	200
Flow Rate (cfs)	H8	H8	H8	H8	0.00002	to	0.0223	0.0022	±	0.000	184
Arsenic (mg/L)		D	D	F6	0.001 U	to	0.024	0.007	±	0.001	46
Calcium (mg/L)		D	D	F6	20	to	71.5	45	±	2.100	46
Iron (mg/L)		D	D	F6	0.02 U	to	2.5	0.14	±	0.057	46
Magnesium (mg/L)		D	D	F6	6.1	to	15	10	±	0.350	46
Manganese (mg/L)		D	D	F6	0.02 U	to	0.13	0.038	±	0.003	46
Potassium (mg/L)		D	D	F6	1.9	to	5.4	3.2	±	0.120	46
Sodium (mg/L)		D	D	F6	5.2	to	18.1	7.9	±	0.400	46
Nitrite/Nitrate - (N) (mg/L)		D	D	F6	0.05 U	to	2 U	0.35	±	0.110	17
Total Phosphorus Mixed Forms (PO4 and		D	D	F6	0.01 U	to	0.66	0.049	±	0.014	46
Total Dissolved Solids (mg/L)		D	D	F6	132	to	307	220	±	8.000	46
Total Suspended Solids (mg/L)		D	D	F6	2.5 U	to	370	18	±	8.100	46
Sulfate (mg/L)		D	D	F6	2 U	to	56	8.9	±	1.400	46
Bicarbonate Alkalinity (CaCO3) (mg/L)		D	D	F6	92	to	230	150	±	5.700	46
Alkalinity (CaCO3) (field) (mg/L)			H2		35	to	350	140	±	3.100	183
Organic Carbon (mg/L)		D	D	F6	0.6	to	43	2.8	±	0.930	46
Chloride (mg/L)		D	D	F6	1.7	to	41.2	12	±	1.600	46
Bromide (mg/L)		D	D	F6	0.1 U	to	0.2	0.15	±	0.009	23
Turbidity (field) (NTU)	H8	H8	H8	H8	0	to	8.7	0.97	±	0.100	201

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

H8 = No flow from pipe. See LF-COMP for readings

H2 = Water level higher than pipes. See LF-COMP for readings

F6 = No flow. Sample not taken.

D = The sampling location was dry.

Data Group: 245
Printed: 4/16/2025 11:25

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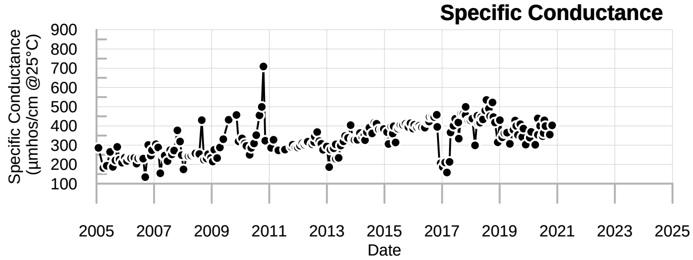
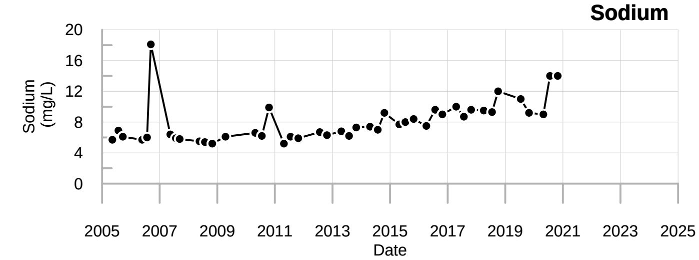
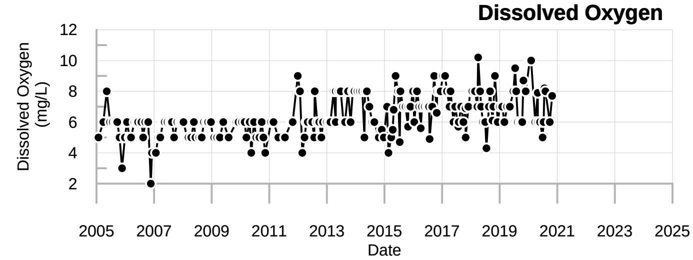
Specific Conductance



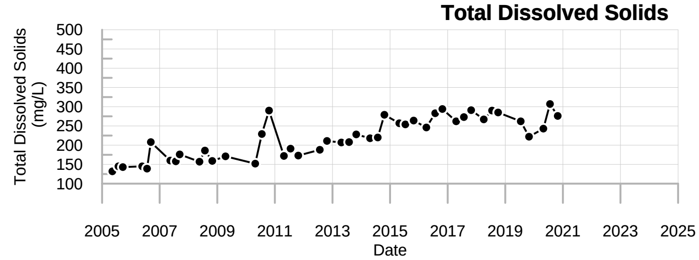
Sodium



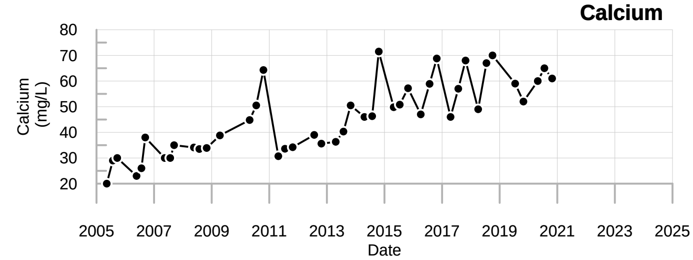
Dissolved Oxygen



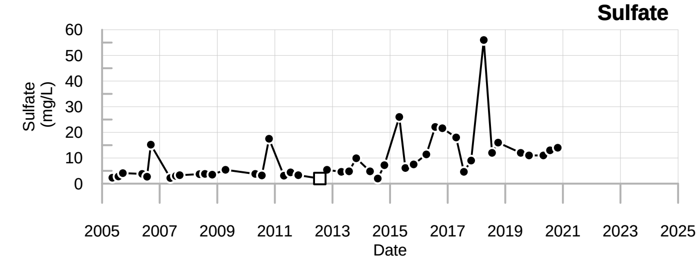
Total Dissolved Solids



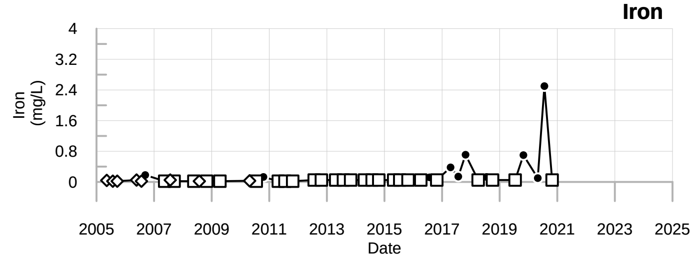
Calcium



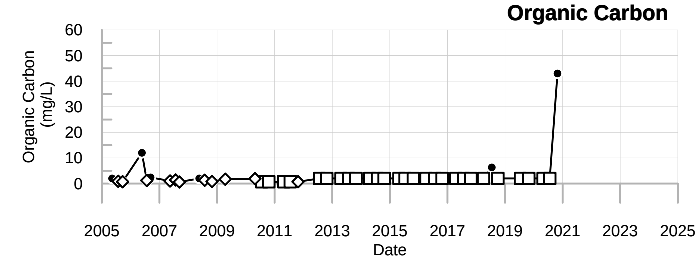
Sulfate



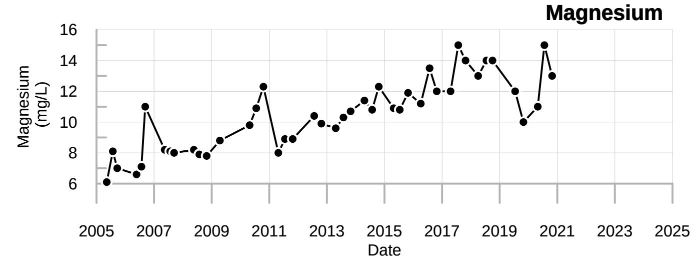
Iron



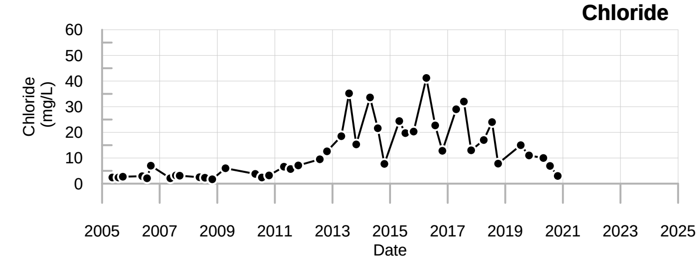
Organic Carbon



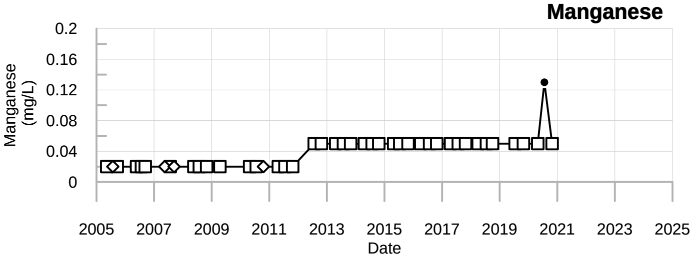
Magnesium



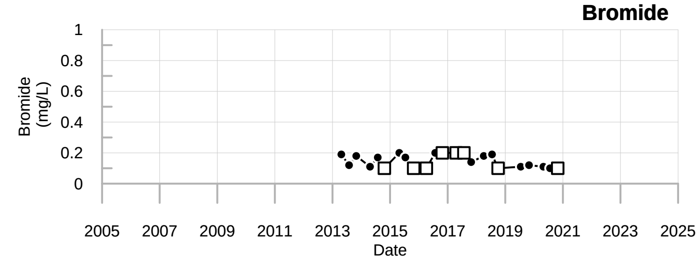
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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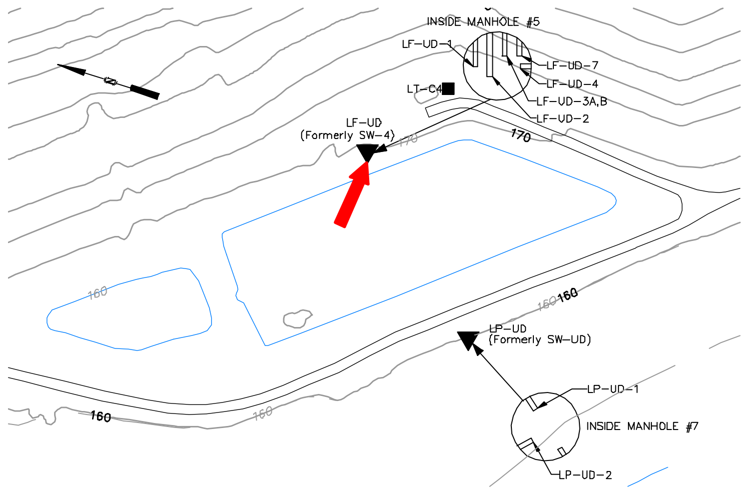
LF-UD-2
Juniper Ridge Landfill

Well Description

LF-UD-3A, B monitors the landfill underdrains from cell 3A and cell 3B at Manhole #5.



Sampled: **Monthly and 3 Times Annually**

Sampled Since: **July 2011**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	H8	H8	H8	H8	126	to	565	370	±	19.000	27
pH (STU)	H8	H8	H8	H8	6.2	to	8.4	7.6	±	0.120	27
Temperature (Deg C)	H8	H8	H8	H8	5	to	19.8	13	±	0.820	27
Eh (mV)	H8	H8	H8	H8	94	to	447	290	±	13.000	27
Dissolved Oxygen (mg/L)	H8	H8	H8	H8	4	to	8	5.6	±	0.140	27
Flow Rate (cfs)	H8	H8	H8	H8	0.0003	to	0.0067	0.0033	±	0.000	27
Arsenic (mg/L)		D	D	F6	0.003 U	to	0.01	0.0048	±	0.001	5
Calcium (mg/L)		D	D	F6	46.4	to	69.9	56	±	4.400	5
Iron (mg/L)		D	D	F6	0.02 U	to	0.02 U	0.02	±	0.000	5
Magnesium (mg/L)		D	D	F6	8.2	to	12.5	10	±	0.810	5
Manganese (mg/L)		D	D	F6	0.02 U	to	0.12	0.048	±	0.020	5
Potassium (mg/L)		D	D	F6	1.8	to	3.3	2.4	±	0.310	5
Sodium (mg/L)		D	D	F6	6	to	9.5	8	±	0.630	5
Nitrite/Nitrate - (N) (mg/L)		D	D	F6	No historical data for Nitrite/Nitrate - (N).						
Total Phosphorus Mixed Forms (PO4 and		D	D	F6	0.01 U	to	0.01	0.01	±	0.000	5
Total Dissolved Solids (mg/L)		D	D	F6	163	to	263	230	±	17.000	5
Total Suspended Solids (mg/L)		D	D	F6	4 U	to	4 U	4	±	0.000	5
Sulfate (mg/L)		D	D	F6	8.3	to	16.3	13	±	1.300	5
Bicarbonate Alkalinity (CaCO3) (mg/L)		D	D	F6	123	to	201	160	±	15.000	5
Alkalinity (CaCO3) (field) (mg/L)			H2		85	to	475	180	±	17.000	27
Organic Carbon (mg/L)		D	D	F6	1.2	to	4.8	3.4	±	0.660	5
Chloride (mg/L)		D	D	F6	2.4	to	12.6	7.8	±	1.700	5
Bromide (mg/L)		D	D	F6	No historical data for Bromide.						
Turbidity (field) (NTU)	H8	H8	H8	H8	0	to	5	0.9	±	0.200	27

underlined/bold - values exceed a regulatory standard listed below.

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↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

H8 = No flow from pipe. See LF-COMP for readings

H2 = Water level higher than pipes. See LF-COMP for readings

F6 = No flow. Sample not taken.

D = The sampling location was dry.

Data Group: 245
Printed: 4/16/2025 11:25

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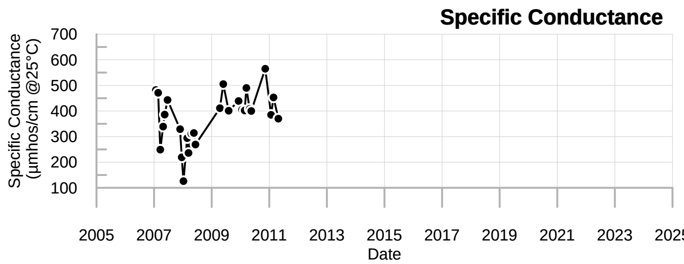

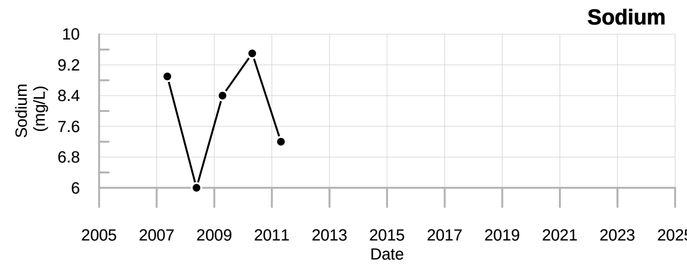

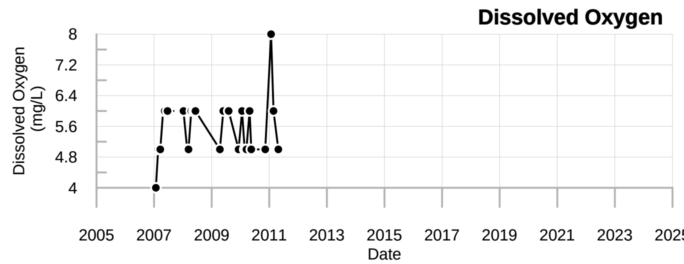

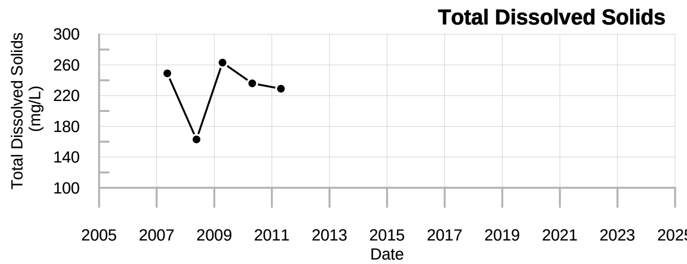

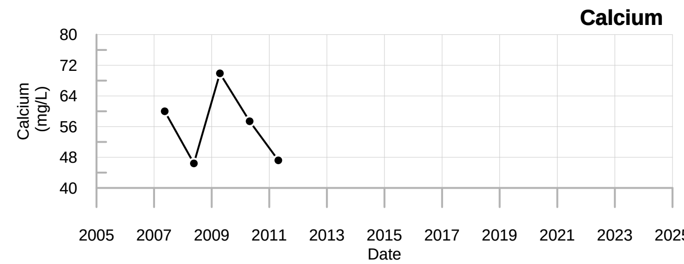

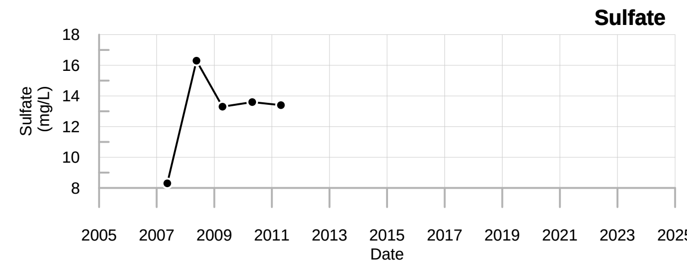

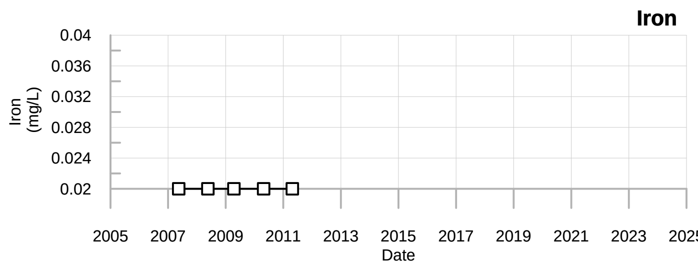

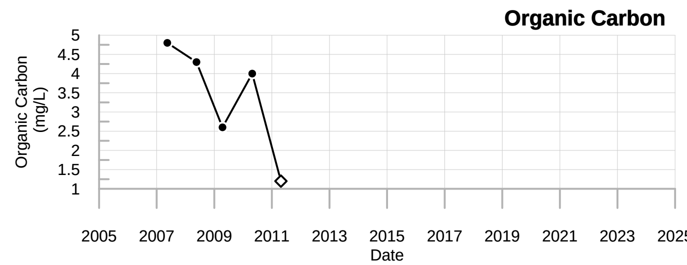

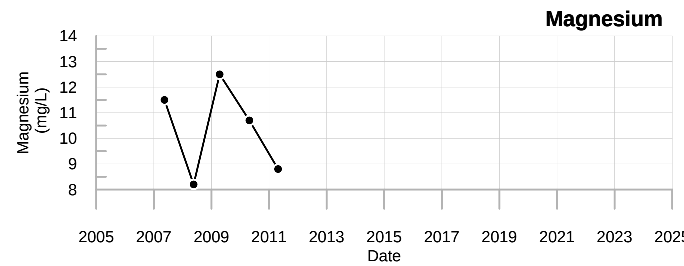

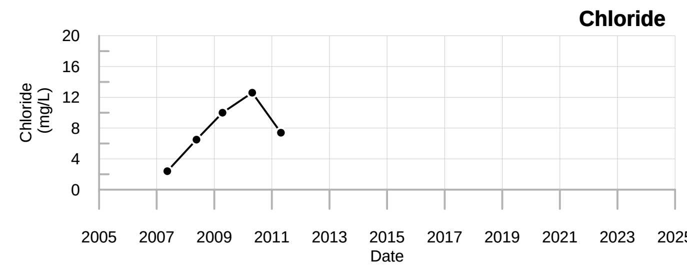

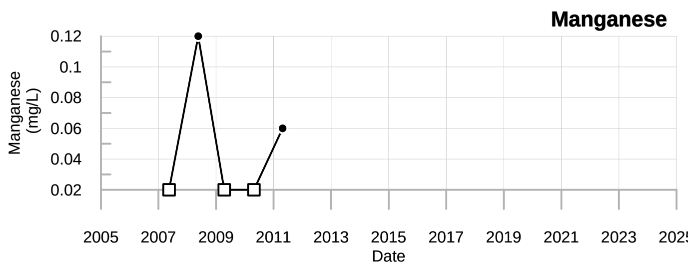

No Data Found for Bromide

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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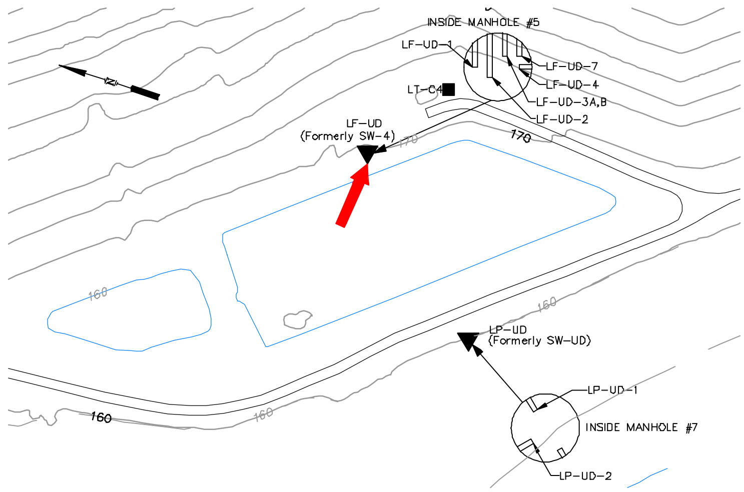
LF-UD-3A,B
Juniper Ridge Landfill

Well Description

LF-UD-4 monitors the landfill underdrain from Cell #4 at Manhole #5.



Sampled: **Monthly & 3 Times Annually**

Sampled Since: **03/11/2009**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	H8	H8	H8	H8	153	to	562	410	±	9.900	43
pH (STU)	H8	H8	H8	H8	6.9	to	8.3	7.5	±	0.065	43
Temperature (Deg C)	H8	H8	H8	H8	4.5	to	30.7	16	±	0.750	43
Eh (mV)	H8	H8	H8	H8	212	to	571	350	±	12.000	43
Dissolved Oxygen (mg/L)	H8	H8	H8	H8	4	to	10.3	6.4	±	0.250	43
Flow Rate (cfs)	H8	H8	H8	H8	0.0001	to	0.0078	0.0015	±	0.000	40
Arsenic (mg/L)		D	F6	F6	0.002	to	0.014	0.0067	±	0.001	16
Calcium (mg/L)		D	F6	F6	44.8	to	75.7	57	±	2.100	16
Iron (mg/L)		D	F6	F6	0.02 U	to	1.4	0.2	±	0.086	16
Magnesium (mg/L)		D	F6	F6	9.4	to	14	12	±	0.400	16
Manganese (mg/L)		D	F6	F6	0.02 U	to	0.16	0.055	±	0.007	16
Potassium (mg/L)		D	F6	F6	3.4	to	5.8	4.1	±	0.160	16
Sodium (mg/L)		D	F6	F6	7.4	to	11	9.4	±	0.270	16
Nitrite/Nitrate - (N) (mg/L)		D	F6	F6	0.13	to	0.42	0.25	±	0.031	10
Total Phosphorus Mixed Forms (PO4 and		D	F6	F6	0.01 U	to	0.18	0.051	±	0.009	16
Total Dissolved Solids (mg/L)		D	F6	F6	206	to	298	250	±	6.200	16
Total Suspended Solids (mg/L)		D	F6	F6	2.5 U	to	210	29	±	14.000	16
Sulfate (mg/L)		D	F6	F6	2 U	to	27	14	±	1.800	16
Bicarbonate Alkalinity (CaCO3) (mg/L)		D	F6	F6	136	to	210	180	±	5.000	16
Alkalinity (CaCO3) (field) (mg/L)			H2		92	to	300	180	±	8.400	33
Organic Carbon (mg/L)		D	F6	F6	1 U	to	5.1	2.1	±	0.220	16
Chloride (mg/L)		D	F6	F6	1 U	to	24	9.7	±	2.000	16
Bromide (mg/L)		D	F6	F6	0.1 U	to	0.2	0.14	±	0.013	13
Turbidity (field) (NTU)	H8	H8	H8	H8	0	to	9.1	0.91	±	0.220	43

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the

↑ indicates a value greater than the historical maximum value; ↓

Comments

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

H8 = No flow from pipe. See LF-COMP for readings

H2 = Water level higher than pipes. See LF-COMP for readings

F6 = No flow. Sample not taken.

D = The sampling location was dry.

Data Group: 245
Printed: 4/16/2025 11:25

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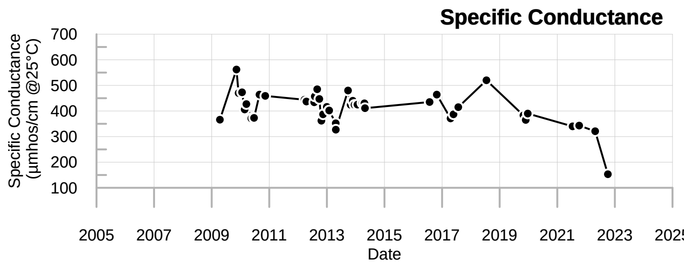

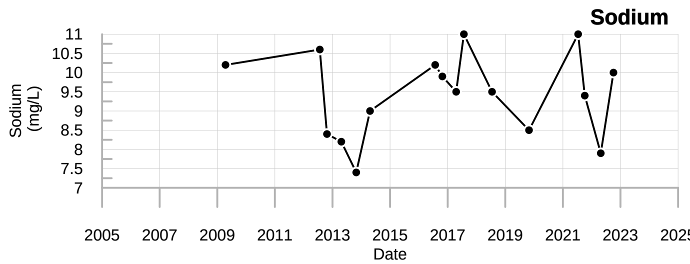

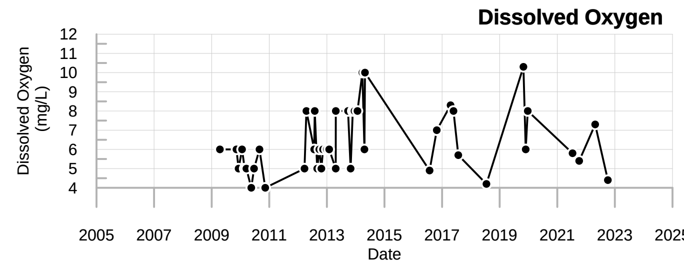

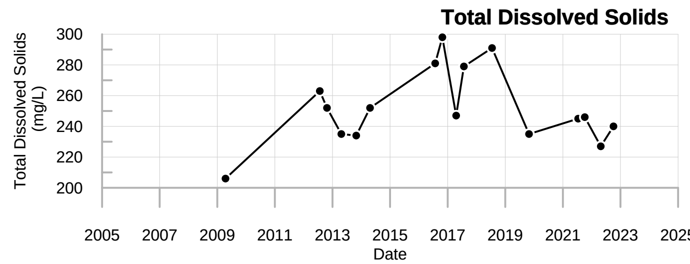

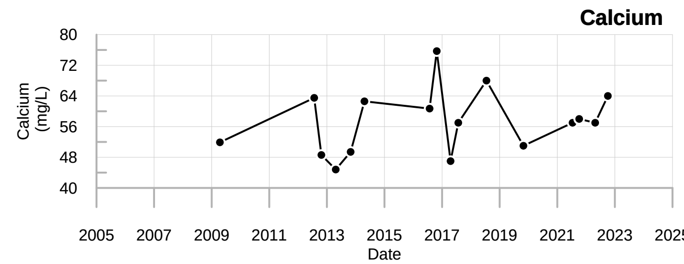

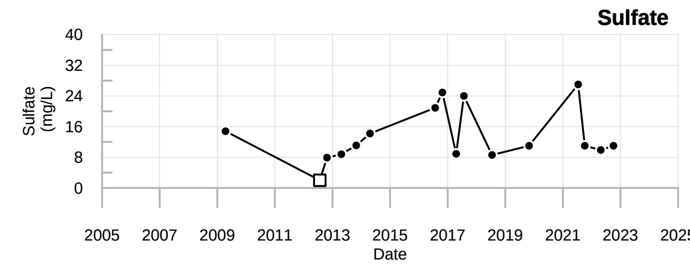

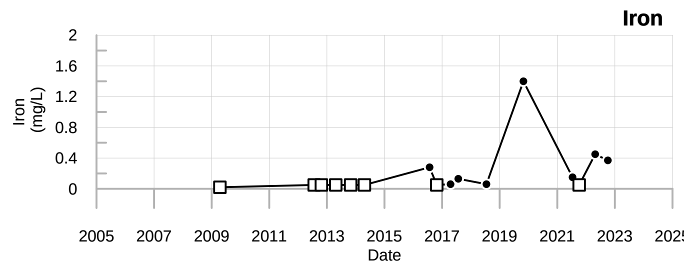

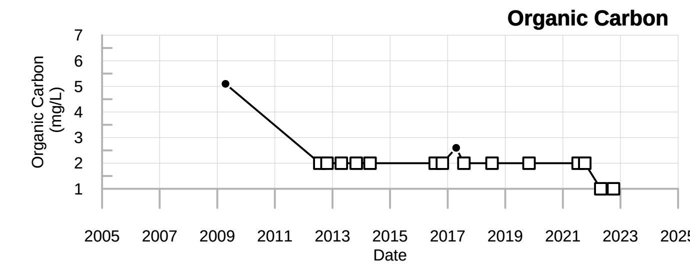

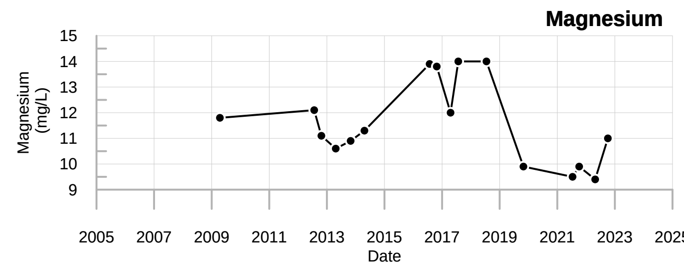

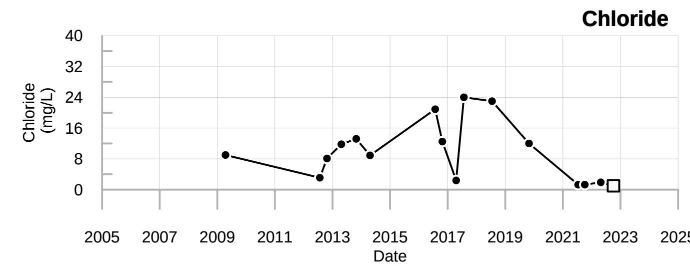

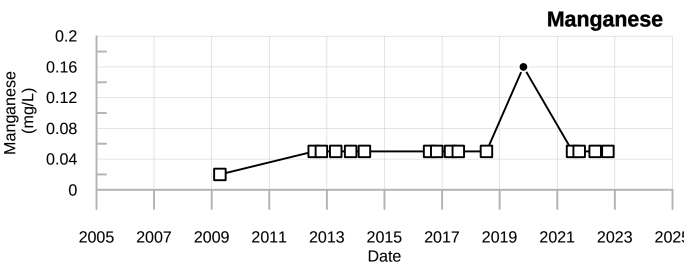

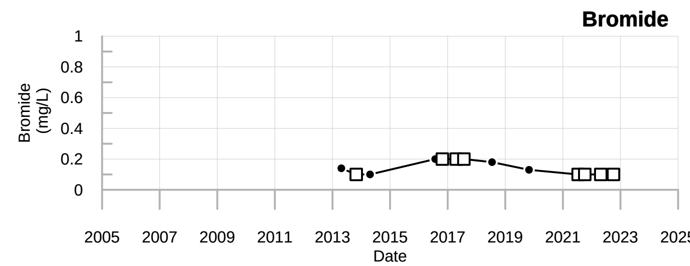

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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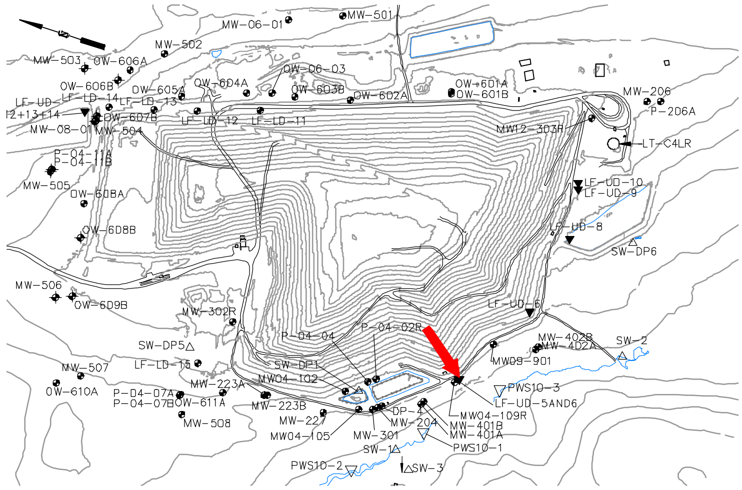
LF-UD-4
Juniper Ridge Landfill

Well Description

LF-UD-5and6 monitors the landfill underdrain from Cell #5 and Cell #6(composite). This underdrain pipe is located southeast of MW04-109R.



Sampled: **3 Times Annually and Monthly**

Sampled Since: **July 2011**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024				Historical (11/1/1990 - 12/31/2023)						
	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	342	352	323	371	117	to	652	360	±	5.900	180
pH (STU)	7.9	8	7.5	8.3	6.7	to	8.5	7.8	±	0.031	180
Temperature (Deg C)	13.4	9	21.5	19.6	4.2	to	26.5	16	±	0.350	180
Eh (mV)	351	439	410	331	70	to	532	350	±	4.300	179
Dissolved Oxygen (mg/L)	6	8.8	8	8	4	to	12.8	7.2	±	0.120	178
Flow Rate (cfs)	0.0001	0.0022	0.0006	F6	0.00003	to	0.0053	0.00058	±	0.000	158
Arsenic (mg/L)		0.005 U	0.005 U	F6	0.005 U	to	0.024	0.0085	±	0.001	37
Calcium (mg/L)		35	39	F6	34	to	71.3	52	±	1.500	37
Iron (mg/L)		0.11	0.16	F6	0.02 U	to	11.3	0.44	±	0.300	37
Magnesium (mg/L)		8.7	9.7	F6	8.2	to	15.4	11	±	0.260	37
Manganese (mg/L)		0.05 U	0.05 U	F6	0.02 U	to	0.25	0.053	±	0.006	37
Potassium (mg/L)		2.2	2.2	F6	1.8	to	7	3.5	±	0.200	37
Sodium (mg/L)		7.9	8.6	F6	6.2	to	10.2	8.3	±	0.160	37
Nitrite/Nitrate - (N) (mg/L)		0.21	0.1	F6	0.05 U	to	0.5 U	0.18	±	0.023	24
Total Phosphorus Mixed Forms (PO4 and		0.04 U	0.04 U	F6	0.01	to	0.16	0.045	±	0.004	37
Total Dissolved Solids (mg/L)		↓172	188	F6	183	to	332	230	±	6.000	37
Total Suspended Solids (mg/L)		8.3 U	8.3 U	F6	2.5 U	to	154	16	±	5.400	37
Sulfate (mg/L)		8.6	9.4	F6	8.3	to	39	13	±	0.970	37
Bicarbonate Alkalinity (CaCO3) (mg/L)		↓140	150	F6	150	to	238	180	±	4.200	37
Alkalinity (CaCO3) (field) (mg/L)	175	180	80	175	35	to	435	170	±	4.100	151
Organic Carbon (mg/L)		1.4	1 U	F6	1 U	to	2.5	1.8	±	0.067	37
Chloride (mg/L)		3.7	3.7	F6	1.5	to	6.2	2.8	±	0.140	37
Bromide (mg/L)		0.14	0.13	F6	0.1 U	to	0.2 U	0.13	±	0.007	29
Turbidity (field) (NTU)	7.4	6.4	2.7	8.3	0	to	57.7	4.2	±	0.640	179

<u>underlined/bold</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

I = The sampling location yielded insufficient quantity to collect a sample.

F6 = No flow. Sample not taken.

Data Group: 245
Printed: 4/16/2025 11:25

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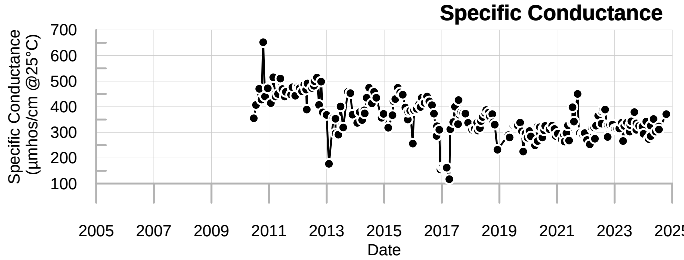
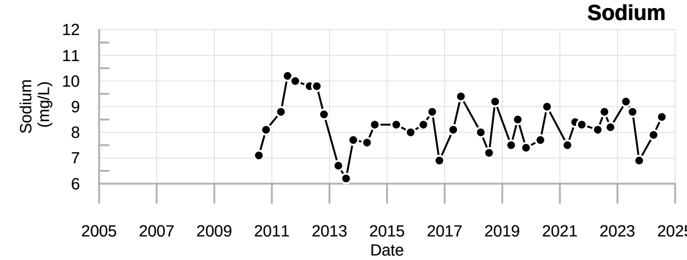
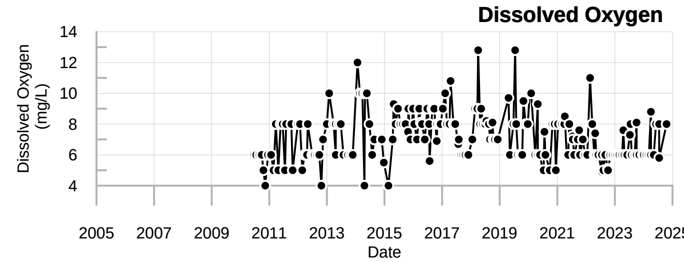
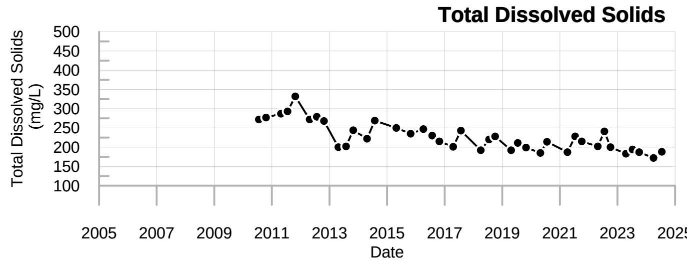
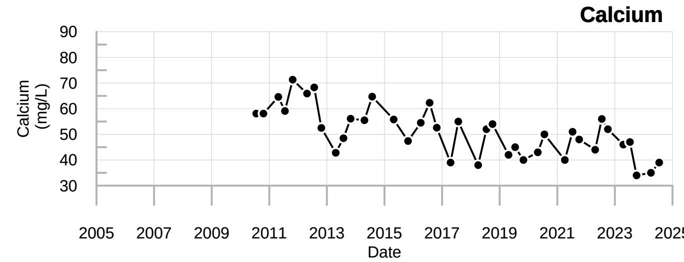
LF-UD-5and6

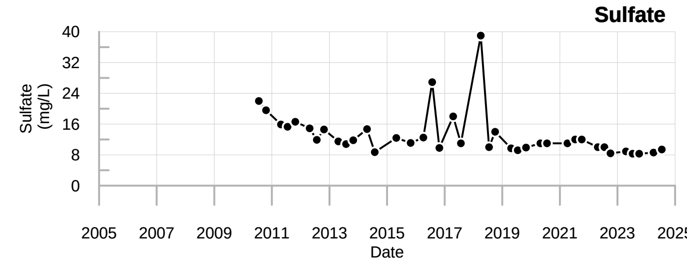


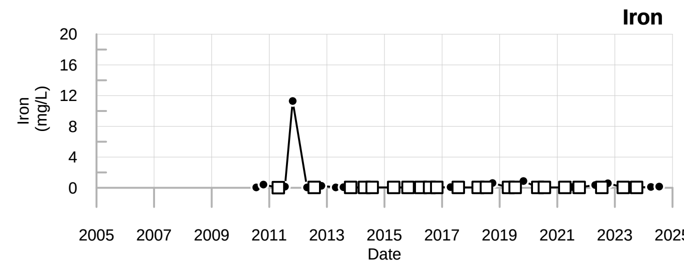


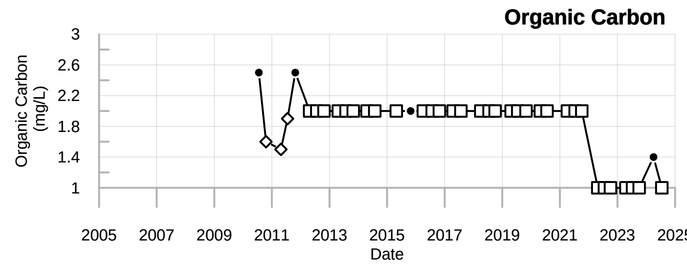


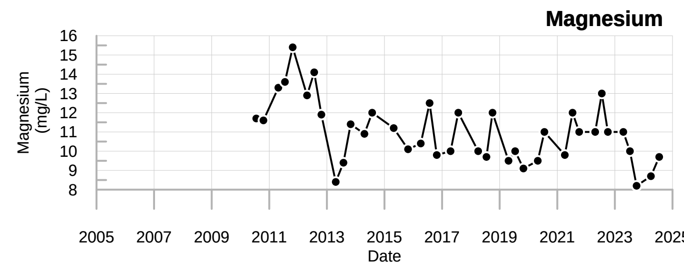


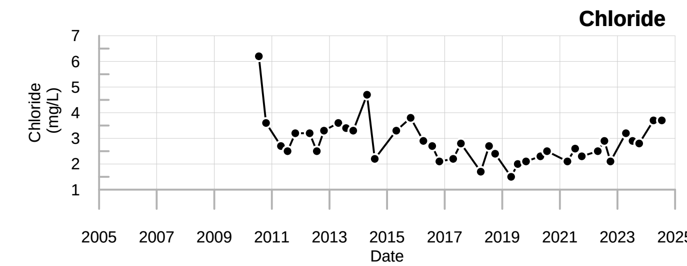


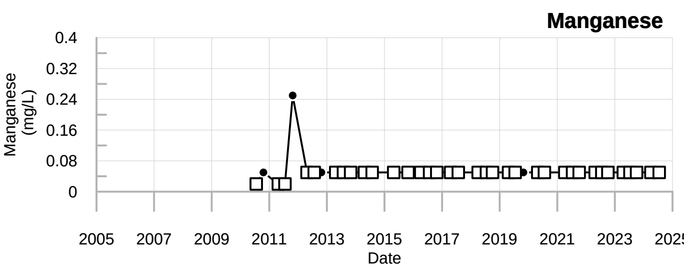


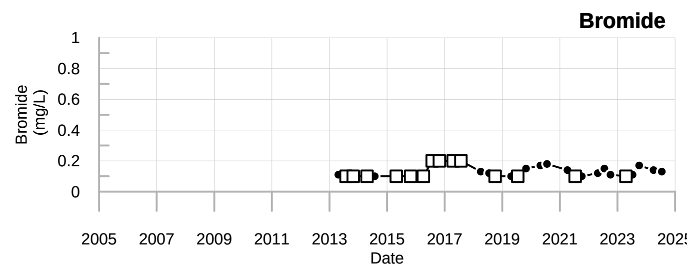












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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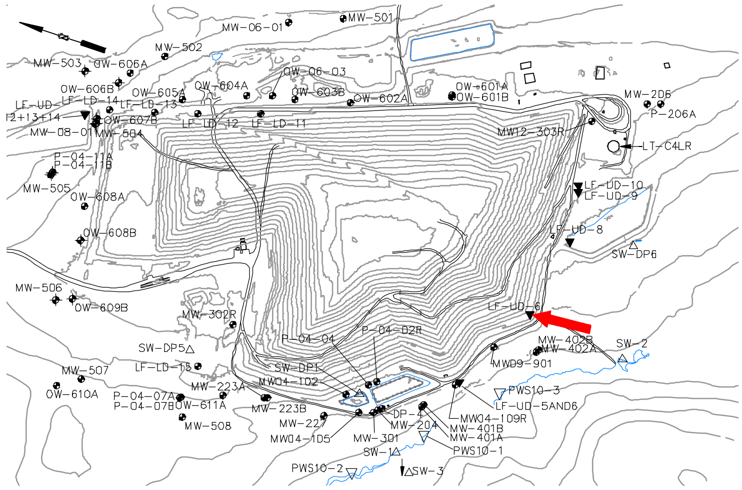
LF-UD-5and6
Juniper Ridge Landfill

Well Description

LF-UD-6 monitors the landfill underdrain from Cell #6. This underdrain pipe is located along the south perimeter of the landfill.



Sampled: **Monthly and 3 Times Annually**

Sampled Since: **02/03/2011**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	F6	F6	F6	F6	70	to	1365	570	±	23.000	115
pH (STU)	F6	F6	F6	F6	3.8	to	8.5	7.1	±	0.087	114
Temperature (Deg C)	F6	F6	F6	F6	7.6	to	24.8	17	±	0.360	115
Eh (mV)	F6	F6	F6	F6	140	to	605	380	±	5.900	114
Dissolved Oxygen (mg/L)	F6	F6	F6	F6	3.6	to	10	6.4	±	0.130	113
Flow Rate (cfs)	F6	F6	F6	F6	0.00002	to	0.0045	0.0018	±	0.000	28
Arsenic (mg/L)			D	D	0.003	to	0.026	0.013	±	0.002	27
Calcium (mg/L)			D	D	24	to	160	73	±	5.100	27
Iron (mg/L)			D	D	0.02 U	to	6.28	0.29	±	0.230	27
Magnesium (mg/L)			D	D	2.9	to	25.4	15	±	1.500	27
Manganese (mg/L)			D	D	0.02 U	to	5.5	0.47	±	0.240	27
Potassium (mg/L)			D	D	1.7	to	20	4.7	±	0.630	27
Sodium (mg/L)			D	D	0.5	to	74.3	31	±	5.800	27
Nitrite/Nitrate - (N) (mg/L)			D	D	1.4	to	130	20	±	8.800	15
Total Phosphorus Mixed Forms (PO4 and			D	D	0.01	to	5.7	0.49	±	0.260	27
Total Dissolved Solids (mg/L)			D	D	149	to	1255	420	±	42.000	27
Total Suspended Solids (mg/L)			D	D	2.5 U	to	150	15	±	6.500	27
Sulfate (mg/L)			D	D	2 U	to	143	51	±	9.000	27
Bicarbonate Alkalinity (CaCO3) (mg/L)			D	D	1.5 U	to	359	220	±	24.000	27
Alkalinity (CaCO3) (field) (mg/L)			D		35	to	490	210	±	11.000	92
Organic Carbon (mg/L)			D	D	2 U	to	5	2.7	±	0.140	27
Chloride (mg/L)			D	D	1 U	to	18.2	7.5	±	1.100	27
Bromide (mg/L)			D	D	0.1 U	to	0.5 U	0.13	±	0.020	21
Turbidity (field) (NTU)	F6	F6	F6	F6	0.1	to	126.9	5.7	±	1.300	114

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

F6 = No flow. Sample not taken.

D = The sampling location was dry.

!1 = The sampling location was damaged or destroyed, and has been discontinued.

Data Group: 245
Printed: 4/16/2025 11:25

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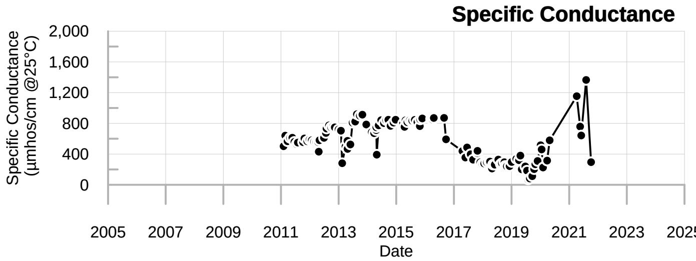

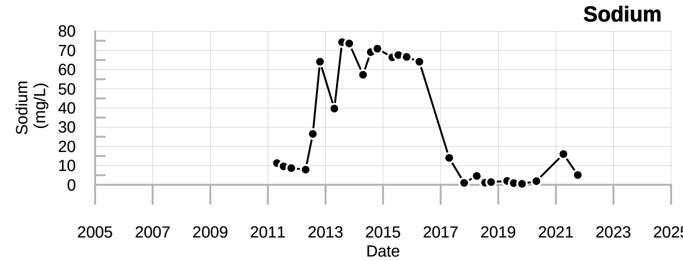

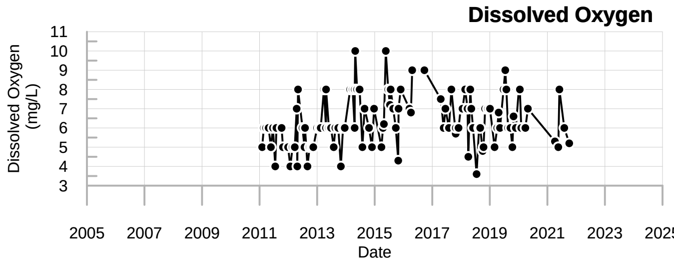

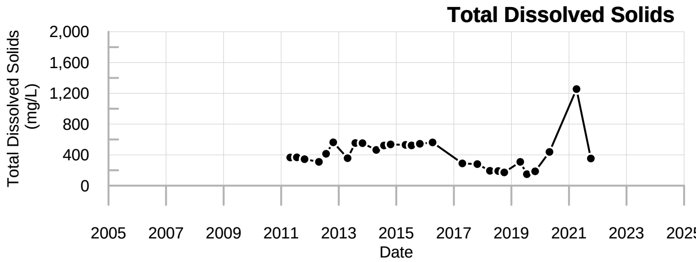

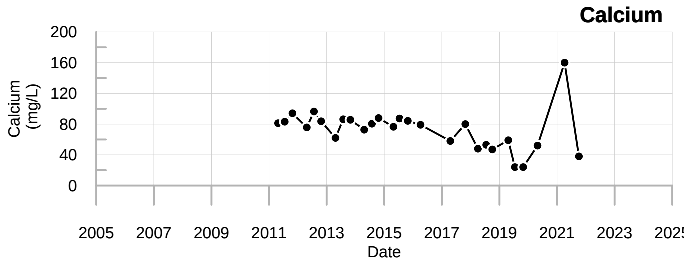

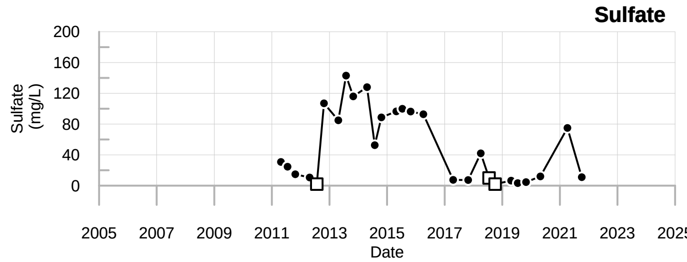

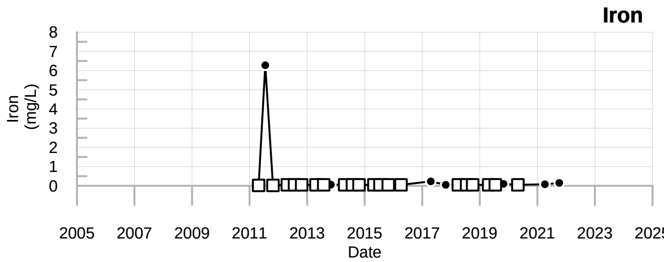

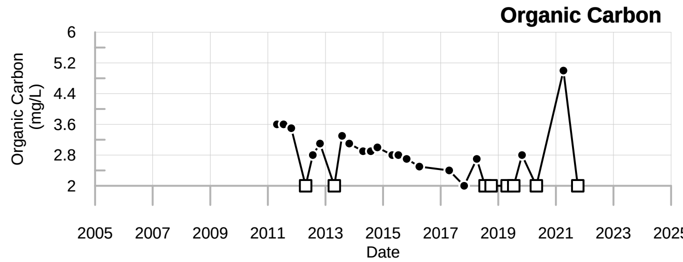

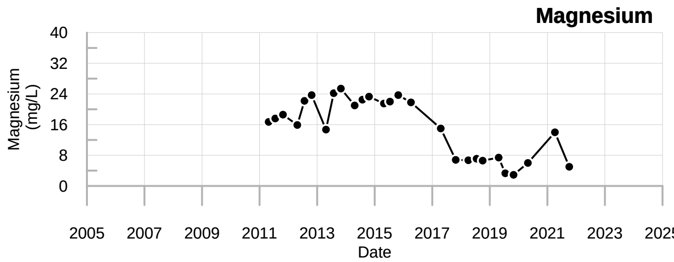

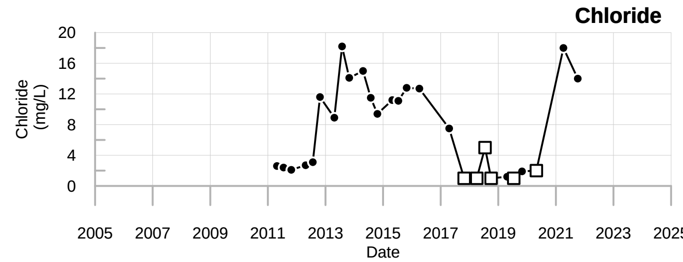

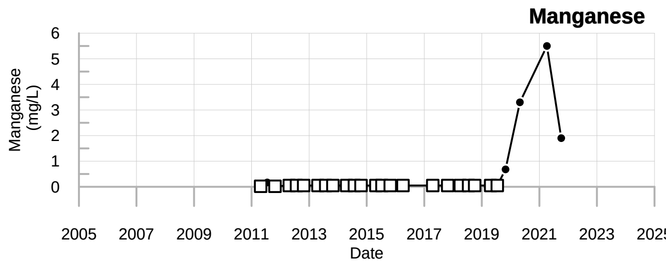

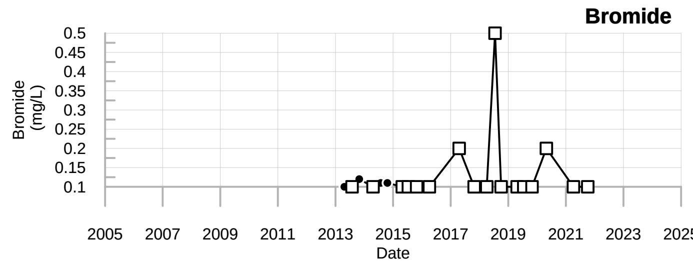

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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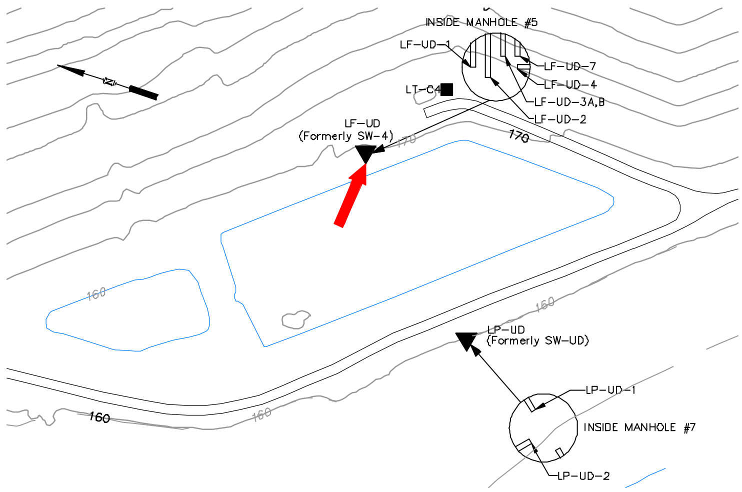
LF-UD-6

Juniper Ridge Landfill

Well Description

LF-UD-7 monitors the landfill underdrain from Cell #7 and Manhole #5.



Sampled: **Monthly and 3 Times Annually**

Sampled Since: **11/30/2011**

Sampling Method: **Grab**

Chemical Summary

	2024				Historical (-)				
Indicator Parameters	Q1	Q2	Q3	Q4	Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)	H8	H8	H8	H8	No historical data for Specific Conductance.				
pH (STU)	H8	H8	H8	H8	No historical data for pH.				
Temperature (Deg C)	H8	H8	H8	H8	No historical data for Temperature.				
Eh (mV)	H8	H8	H8	H8	No historical data for Eh.				
Dissolved Oxygen (mg/L)	H8	H8	H8	H8	No historical data for Dissolved Oxygen.				
Flow Rate (cfs)	H8	H8	H8	H8	No historical data for Flow Rate.				
Arsenic (mg/L)		D	D	F6	No historical data for Arsenic.				
Calcium (mg/L)		D	D	F6	No historical data for Calcium.				
Iron (mg/L)		D	D	F6	No historical data for Iron.				
Magnesium (mg/L)		D	D	F6	No historical data for Magnesium.				
Manganese (mg/L)		D	D	F6	No historical data for Manganese.				
Potassium (mg/L)		D	D	F6	No historical data for Potassium.				
Sodium (mg/L)		D	D	F6	No historical data for Sodium.				
Nitrite/Nitrate - (N) (mg/L)		D	D	F6	No historical data for Nitrite/Nitrate - (N).				
Total Phosphorus Mixed Forms (PO4 and		D	D	F6	ta for Total Phosphorus Mixed Forms (PO4 and Organic)				
Total Dissolved Solids (mg/L)		D	D	F6	No historical data for Total Dissolved Solids.				
Total Suspended Solids (mg/L)		D	D	F6	No historical data for Total Suspended Solids.				
Sulfate (mg/L)		D	D	F6	No historical data for Sulfate.				
Bicarbonate Alkalinity (CaCO3) (mg/L)		D	D	F6	No historical data for Bicarbonate Alkalinity (CaCO3).				
Alkalinity (CaCO3) (field) (mg/L)			H2		No historical data for Alkalinity (CaCO3) (field).				
Organic Carbon (mg/L)		D	D	F6	No historical data for Organic Carbon.				
Chloride (mg/L)		D	D	F6	No historical data for Chloride.				
Bromide (mg/L)		D	D	F6	No historical data for Bromide.				
Turbidity (field) (NTU)	H8	H8	H8	H8	No historical data for Turbidity (field).				

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

H8 = No flow from pipe. See LF-COMP for readings

H2 = Water level higher than pipes. See LF-COMP for readings

F6 = No flow. Sample not taken.

D = The sampling location was dry.

Data Group: 245
Printed: 4/16/2025 11:25

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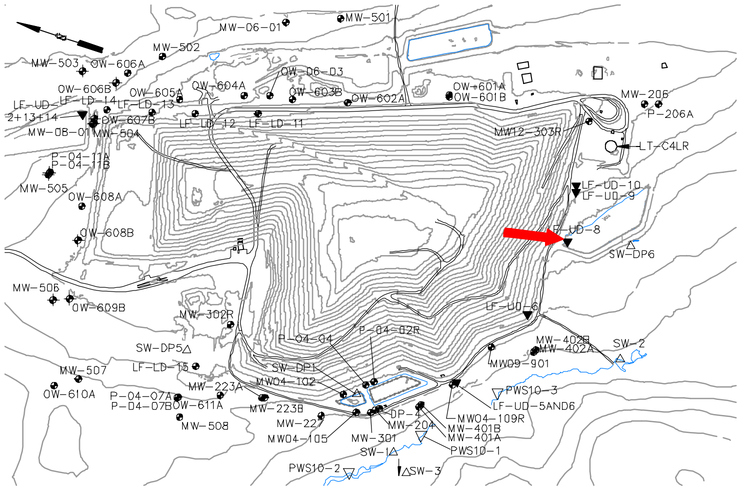
Well Description



LF-UD-8 monitors the landfill underdrain from Cell #8. This underdrain pipe is located along the southern perimeter of the landfill.

Sampled: **Monthly and 3 Times Annually**

Sampled Since: **4/23/2013**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)	F6	F6	F6	F6	64	to	407	200	± 32.000	17
pH (STU)	F6	F6	F6	F6	6.8	to	8.5	7.5	± 0.130	17
Temperature (Deg C)	F6	F6	F6	F6	2.8	to	26.9	12	± 1.500	17
Eh (mV)	F6	F6	F6	F6	235	to	568	370	± 21.000	17
Dissolved Oxygen (mg/L)	F6	F6	F6	F6	5	to	10.9	7.6	± 0.520	17
Flow Rate (cfs)	F6	F6	F6	F6	0.00003	to	0.0045	0.0014	± 0.000	14
Arsenic (mg/L)		D	D	D	0.005 U	to	0.014	0.0069	± 0.001	11
Calcium (mg/L)		D	D	D	4.8	to	50.1	19	± 5.400	11
Iron (mg/L)		D	D	D	0.05 U	to	1.5	0.57	± 0.140	11
Magnesium (mg/L)		D	D	D	0.8	to	11.1	3.6	± 1.300	11
Manganese (mg/L)		D	D	D	0.05 U	to	0.15	0.069	± 0.010	11
Potassium (mg/L)		D	D	D	0.8	to	3.7	1.9	± 0.360	11
Sodium (mg/L)		D	D	D	1.3	to	7.3	3.8	± 0.670	11
Nitrite/Nitrate - (N) (mg/L)		D	D	D	0.05 U	to	0.5 U	0.14	± 0.073	6
Total Phosphorus Mixed Forms (PO4 and		D	D	D	0.04 U	to	0.1	0.05	± 0.006	11
Total Dissolved Solids (mg/L)		D	D	D	42	to	222	100	± 21.000	11
Total Suspended Solids (mg/L)		D	D	D	4 U	to	43	9.2	± 3.500	11
Sulfate (mg/L)		D	D	D	4.6	to	49	14	± 3.600	11
Bicarbonate Alkalinity (CaCO3) (mg/L)		D	D	D	6	to	180	58	± 22.000	11
Alkalinity (CaCO3) (field) (mg/L)			F6		15	to	185	120	± 18.000	11
Organic Carbon (mg/L)		D	D	D	2 U	to	6.3	3.9	± 0.480	11
Chloride (mg/L)		D	D	D	2	to	14	5.2	± 1.000	11
Bromide (mg/L)		D	D	D	0.1 U	to	0.2 U	0.11	± 0.009	11
Turbidity (field) (NTU)	F6	F6	F6	F6	0.04	to	24.35	2.6	± 1.400	17

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

F6 = No flow. Sample not taken.

D = The sampling location was dry.

Data Group: 245
Printed: 4/16/2025 11:25

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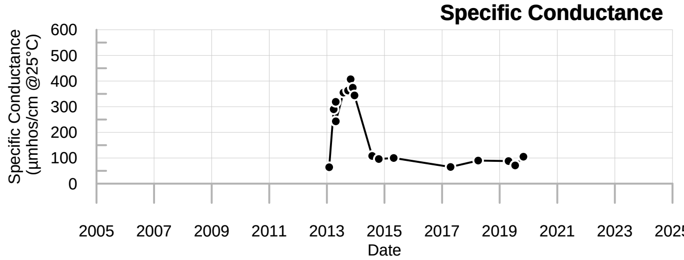
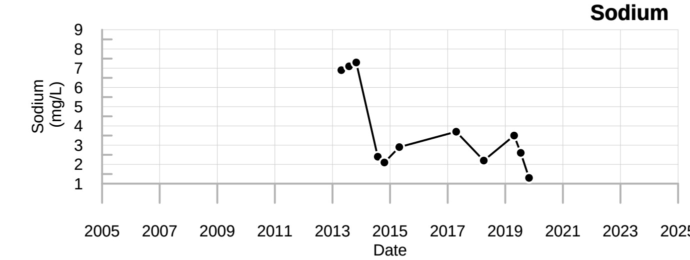
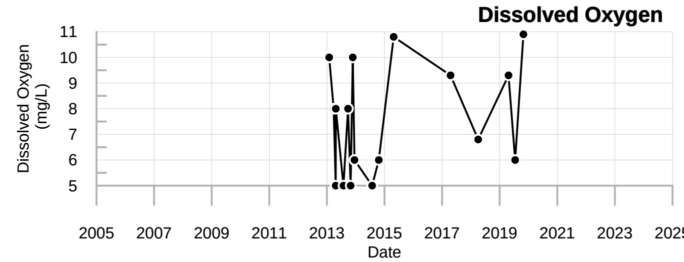
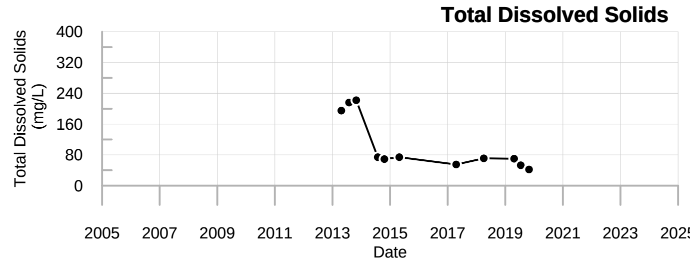
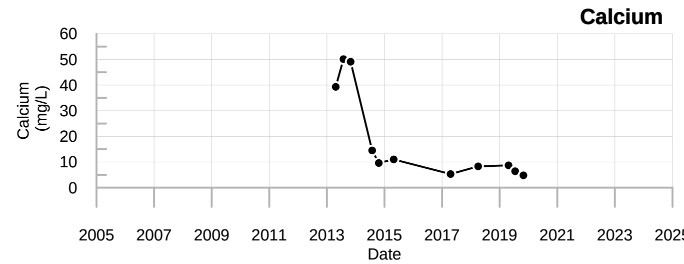
LF-UD-8

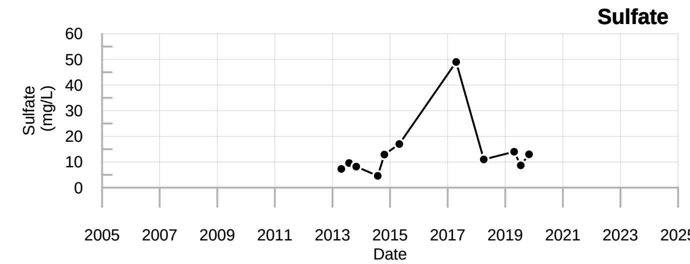


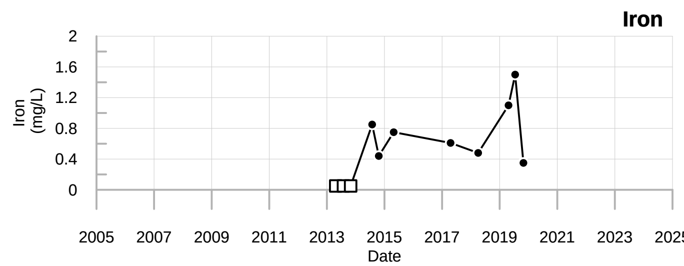


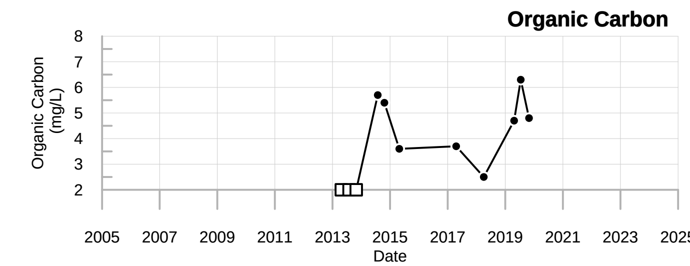


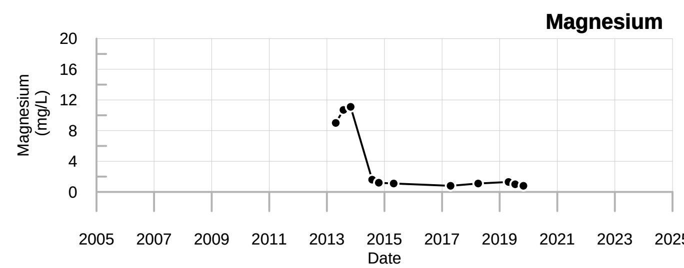


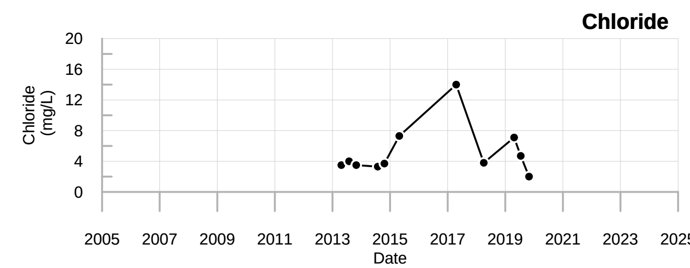


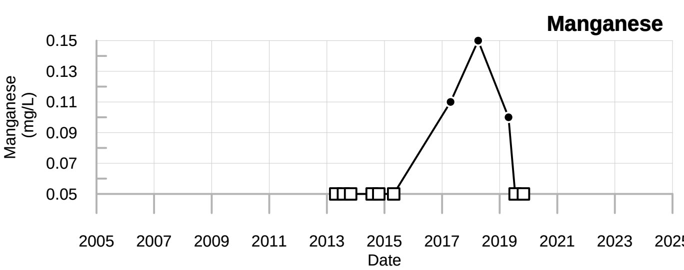


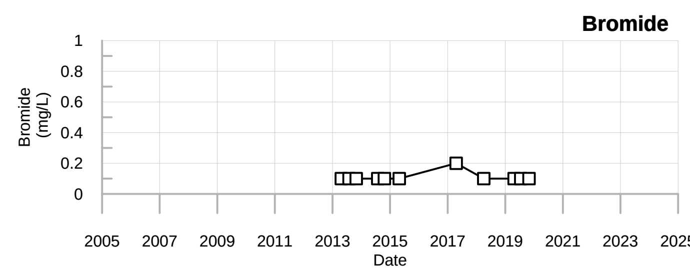












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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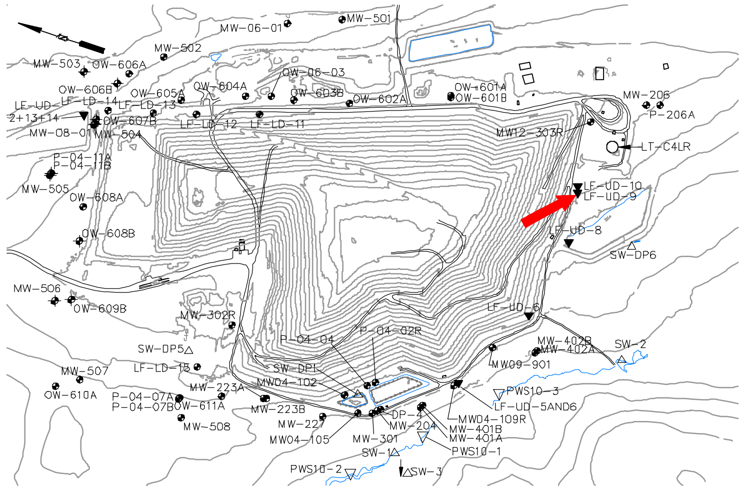
LF-UD-8
Juniper Ridge Landfill

Well Description

LF-UD-9 monitors the landfill underdrain from Cell #9. This underdrain pipe is located along the southern perimeter of the landfill.



Sampled: **Monthly and 3 Times Annually**

Sampled Since: **April 2016**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	F6	F6	L	H11	135	to	292	200	±	33.000	4
pH (STU)	F6	F6	L	H11	6.6	to	7.6	7.2	±	0.210	4
Temperature (Deg C)	F6	F6	L	H11	7.1	to	15.1	10	±	1.800	4
Eh (mV)	F6	F6	L	H11	278	to	458	370	±	37.000	4
Dissolved Oxygen (mg/L)	F6	F6	L	H11	7	to	10.8	8.5	±	0.910	4
Flow Rate (cfs)	F6	F6	L	H11	0.0004	to	0.0045	0.0023	±	0.001	4
Arsenic (mg/L)		D	D	D	0.007	to	0.007	0.007	±	0.000	1
Calcium (mg/L)		D	D	D	55	to	55	55	±	0.000	1
Iron (mg/L)		D	D	D	1.4	to	1.4	1.4	±	0.000	1
Magnesium (mg/L)		D	D	D	6.8	to	6.8	6.8	±	0.000	1
Manganese (mg/L)		D	D	D	0.06	to	0.06	0.06	±	0.000	1
Potassium (mg/L)		D	D	D	4.3	to	4.3	4.3	±	0.000	1
Sodium (mg/L)		D	D	D	6.5	to	6.5	6.5	±	0.000	1
Nitrite/Nitrate - (N) (mg/L)		D	D	D	0.88	to	0.88	0.88	±	0.000	1
Total Phosphorus Mixed Forms (PO4 and		D	D	D	0.08	to	0.08	0.08	±	0.000	1
Total Dissolved Solids (mg/L)		D	D	D	224	to	224	220	±	0.000	1
Total Suspended Solids (mg/L)		D	D	D	57	to	57	57	±	0.000	1
Sulfate (mg/L)		D	D	D	11	to	11	11	±	0.000	1
Bicarbonate Alkalinity (CaCO3) (mg/L)		D	D	D	90	to	90	90	±	0.000	1
Alkalinity (CaCO3) (field) (mg/L)			F6		25	to	50 U	35	±	7.600	3
Organic Carbon (mg/L)		D	D	D	2.7	to	2.7	2.7	±	0.000	1
Chloride (mg/L)		D	D	D	5.1	to	5.1	5.1	±	0.000	1
Bromide (mg/L)		D	D	D	0.2 U	to	0.2 U	0.2	±	0.000	1
Turbidity (field) (NTU)	F6	F6	L	H11	1.2	to	49.6	26	±	12.000	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024

Q2= 4 - 2024

Q3= 7 - 2024

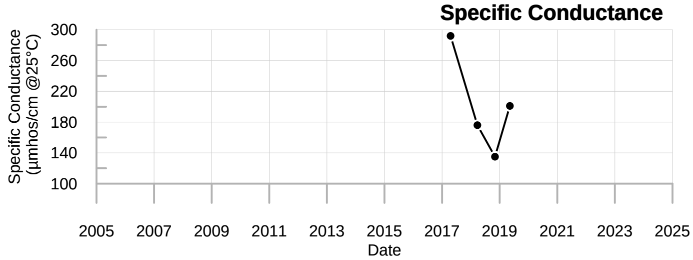
Q4= 10 - 2024

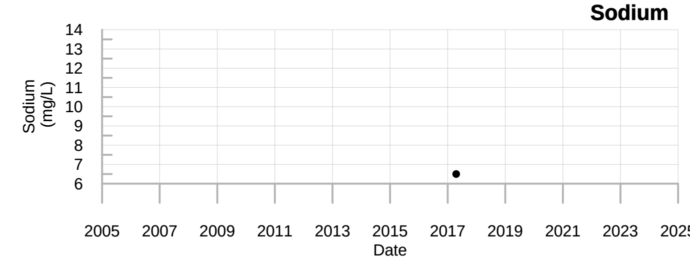
L = Could not locate sampling location.

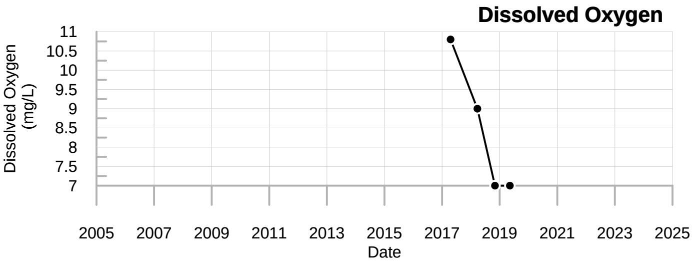
H11 = Could not locate pipe.

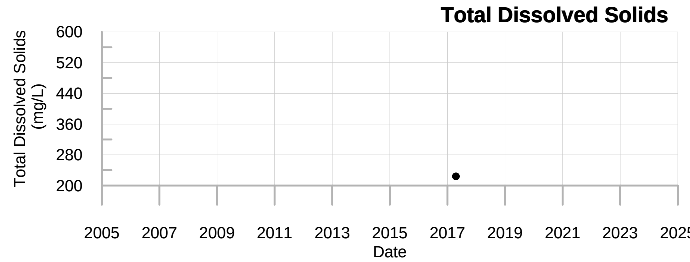
F6 = No flow. Sample not taken.

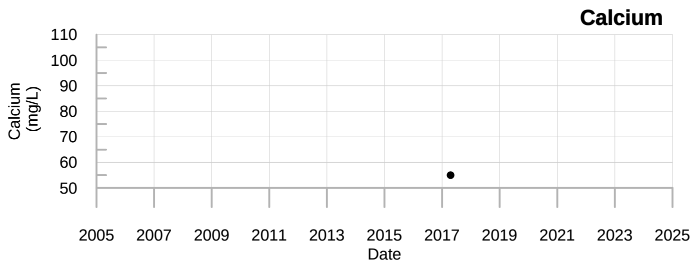
D = The sampling location was dry.

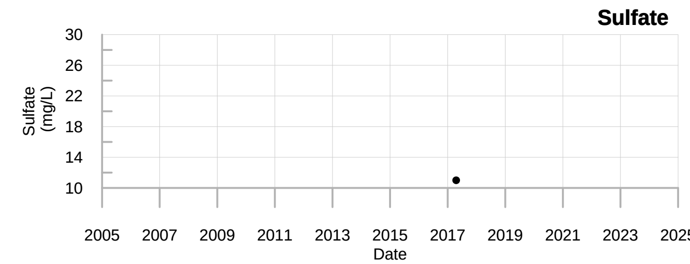


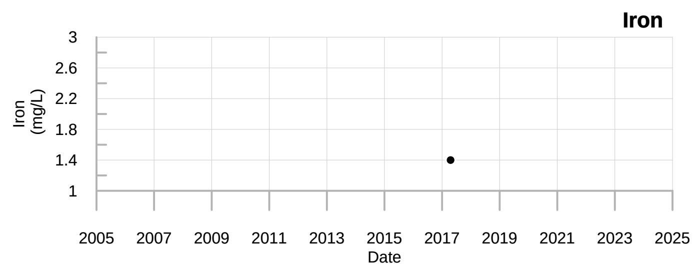


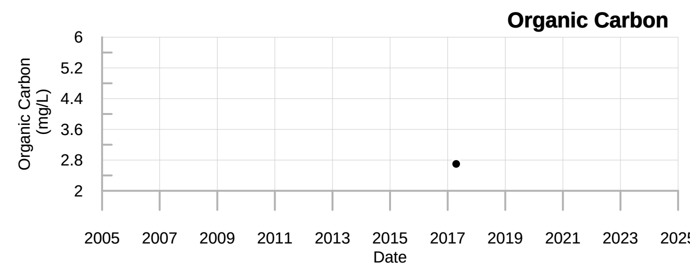


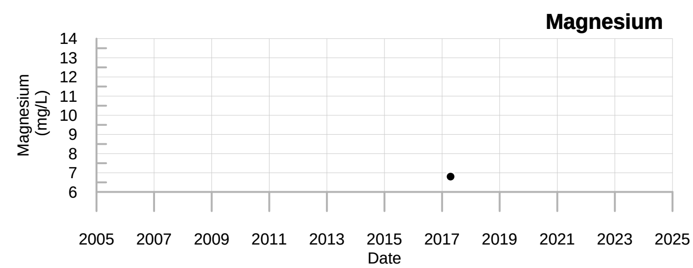


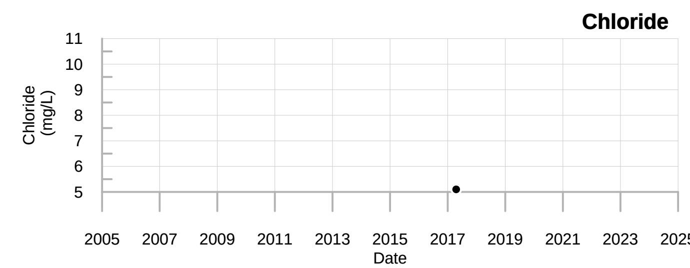


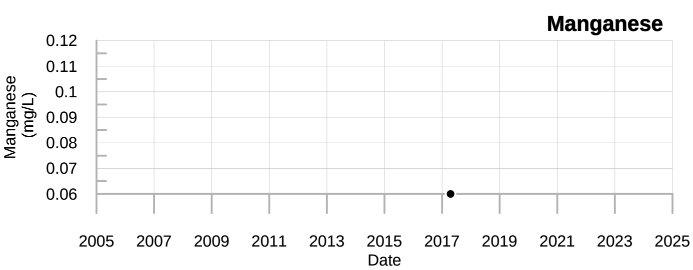


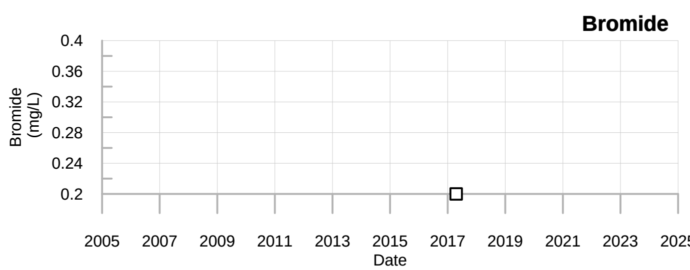












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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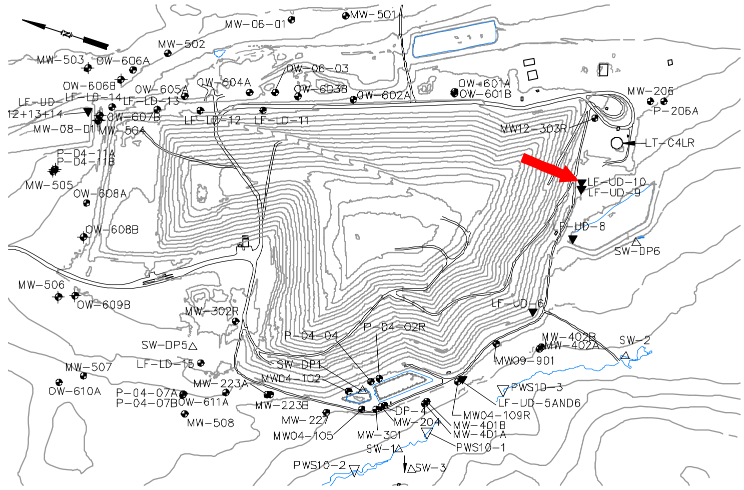
LF-UD-9
Juniper Ridge Landfill

Sevee & Maher Engineers, Inc.

Well Description

LF-UD-10 monitors the landfill underdrain from Cell #10. This underdrain pipe is located along the southern perimeter of the landfill.



Sampled: **Monthly and 3 Times Annually**

Sampled Since: **October 2017**

Sampling Method:

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)	F6	F6	L	H11	111	to 175	130	± 14.000	4
pH (STU)	F6	F6	L	H11	6.8	to 7.3	7.1	± 0.120	4
Temperature (Deg C)	F6	F6	L	H11	5.1	to 14.9	9.9	± 2.000	4
Eh (mV)	F6	F6	L	H11	295	to 455	390	± 34.000	4
Dissolved Oxygen (mg/L)	F6	F6	L	H11	7	to 9	7.8	± 0.480	4
Flow Rate (cfs)	F6	F6	L	H11	0.00056	to 0.0178	0.0066	± 0.004	4
Arsenic (mg/L)		D	D	D	No historical data for Arsenic.				
Calcium (mg/L)		D	D	D	No historical data for Calcium.				
Iron (mg/L)		D	D	D	No historical data for Iron.				
Magnesium (mg/L)		D	D	D	No historical data for Magnesium.				
Manganese (mg/L)		D	D	D	No historical data for Manganese.				
Potassium (mg/L)		D	D	D	No historical data for Potassium.				
Sodium (mg/L)		D	D	D	No historical data for Sodium.				
Nitrite/Nitrate - (N) (mg/L)		D	D	D	No historical data for Nitrite/Nitrate - (N).				
Total Phosphorus Mixed Forms (PO4 and		D	D	D	ata for Total Phosphorus Mixed Forms (PO4 and Organic)				
Total Dissolved Solids (mg/L)		D	D	D	No historical data for Total Dissolved Solids.				
Total Suspended Solids (mg/L)		D	D	D	No historical data for Total Suspended Solids.				
Sulfate (mg/L)		D	D	D	No historical data for Sulfate.				
Bicarbonate Alkalinity (CaCO3) (mg/L)		D	D	D	No historical data for Bicarbonate Alkalinity (CaCO3).				
Alkalinity (CaCO3) (field) (mg/L)			F6		0	to 50 U	25	± 14.000	3
Organic Carbon (mg/L)		D	D	D	No historical data for Organic Carbon.				
Chloride (mg/L)		D	D	D	No historical data for Chloride.				
Bromide (mg/L)		D	D	D	No historical data for Bromide.				
Turbidity (field) (NTU)	F6	F6	L	H11	12.9	to 49.6	39	± 8.800	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

L = Could not locate sampling location.

H11 = Could not locate pipe.

F6 = No flow. Sample not taken.

D = The sampling location was dry.

Data Group: 245
Printed: 4/16/2025 11:25

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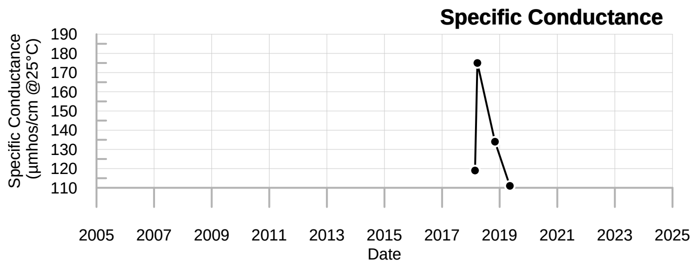
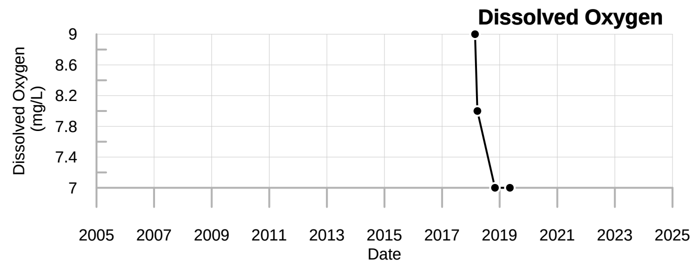


No Data Found for
Sodium



No Data Found for
Total Dissolved Solids

No Data Found for
Calcium

No Data Found for
Sulfate

No Data Found for
Iron

No Data Found for
Organic Carbon

No Data Found for
Magnesium

No Data Found for
Chloride

No Data Found for
Manganese

No Data Found for
Bromide

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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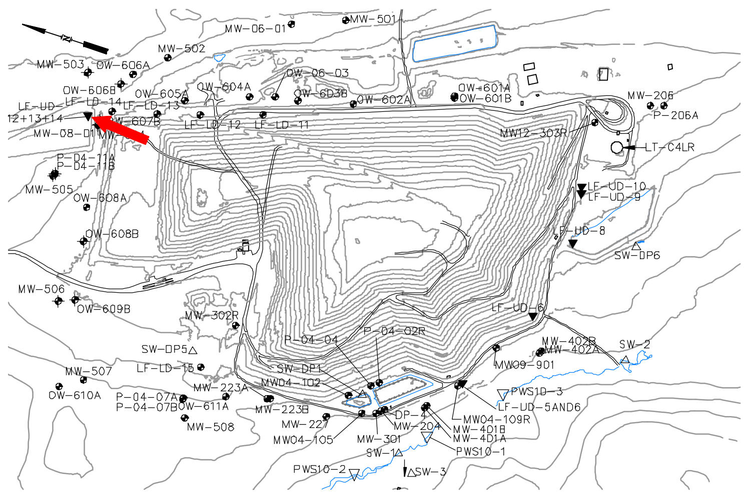
LF-UD-10
Juniper Ridge Landfill

Well Description

LF-UD-12+13+14 monitors the landfill underdrains from Cell #12, Cell #13, and Cell #14 (composite). This sample collection location is at the northeast corner of Cell 14.



Sampled: **3 Times Annually and Monthly**

Sampled Since: **4/6/2021**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	131	142	L	H11	100	to	756	240	±	100.000	6
pH (STU)	7.8	6.9	L	H11	6.2	to	7.9	7.5	±	0.270	6
Temperature (Deg C)	11.8	↓0.8	L	H11	9.4	to	23	14	±	2.400	6
Eh (mV)	318	↑442	L	H11	305	to	427	350	±	18.000	6
Dissolved Oxygen (mg/L)	6	8.4	L	H11	4.9	to	8.9	6.1	±	0.590	6
Flow Rate (cfs)	↑0.0017	0.0006	L	H11	0.0001	to	0.0011	0.00043	±	0.000	6
Total Flow (gallons)				F6	No historical data for Total Flow.						
Arsenic (mg/L)			D		0.005 U	to	0.005 U	0.005	±	0.000	1
Calcium (mg/L)			D		16	to	16	16	±	0.000	1
Copper (mg/L)			D		0.003 U	to	0.003 U	0.003	±	0.000	1
Iron (mg/L)			D		1.1	to	1.1	1.1	±	0.000	1
Magnesium (mg/L)			D		5.1	to	5.1	5.1	±	0.000	1
Manganese (mg/L)			D		0.071	to	0.071	0.071	±	0.000	1
Potassium (mg/L)			D		1.4	to	1.4	1.4	±	0.000	1
Sodium (mg/L)			D		5.4	to	5.4	5.4	±	0.000	1
Boron (mg/L)			D		0.05 U	to	0.05 U	0.05	±	0.000	1
Ammonia (N) (mg/L)			D		0.5 U	to	0.5 U	0.5	±	0.000	1
Nitrite/Nitrate - (N) (mg/L)			D		0.49	to	0.49	0.49	±	0.000	1
Total Dissolved Solids (mg/L)			D		111	to	111	110	±	0.000	1
Total Suspended Solids (mg/L)			D		63	to	63	63	±	0.000	1
Sulfate (mg/L)			D		6.5	to	6.5	6.5	±	0.000	1
Sulfide (mg/L)			D		0.1 U	to	0.1 U	0.1	±	0.000	1
Alkalinity (CaCO3) (mg/L)			D		50	to	50	50	±	0.000	1
Alkalinity (CaCO3) (field) (mg/L)	175		F6		50	to	500	200	±	100.000	4
Organic Carbon (mg/L)			D		1.5	to	1.5	1.5	±	0.000	1
Chloride (mg/L)			D		5.3	to	5.3	5.3	±	0.000	1
Bromide (mg/L)			D		0.1 U	to	0.1 U	0.1	±	0.000	1
Turbidity (field) (NTU)	89.1	0.6	L	H11	0.5	to	120.8	30	±	19.000	6
Methane (ug/L)			D		20 U	to	20 U	20	±	0.000	1

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1=	1 - 2024	L =	Could not locate sampling location.
Q2=	4 - 2024	H11 =	Could not locate pipe.
Q3=	7 - 2024	F6 =	No flow. Sample not taken.
Q4=	10 - 2024	D =	The sampling location was dry.

Data Group: 245

Printed: 4/16/2025 11:25

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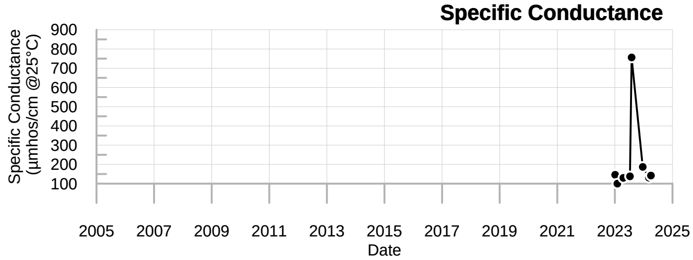

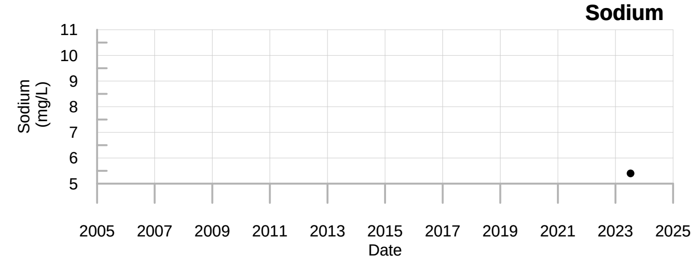

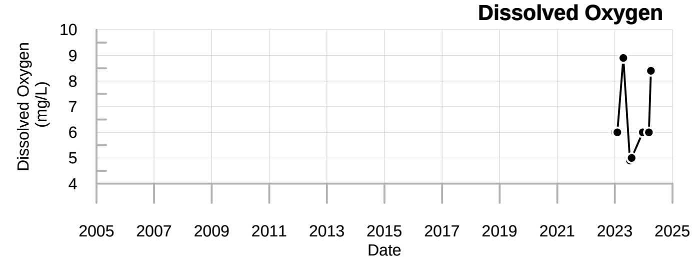

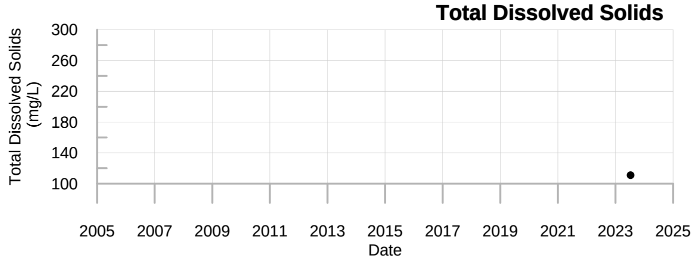

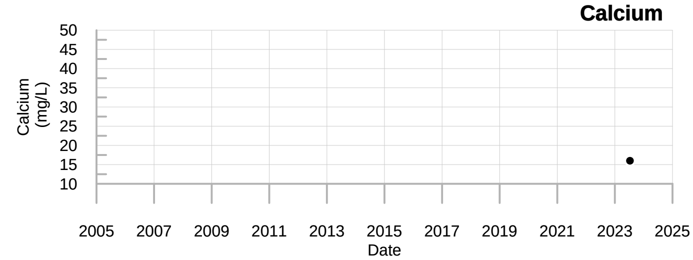

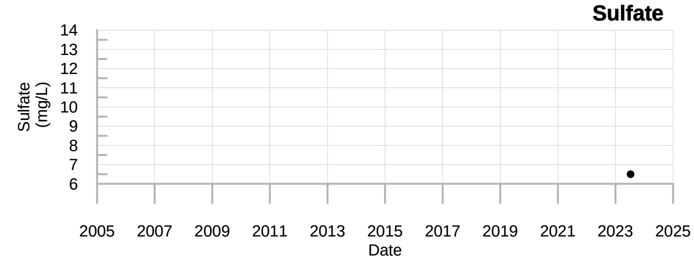

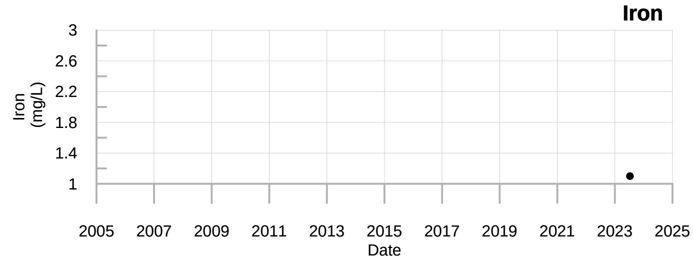

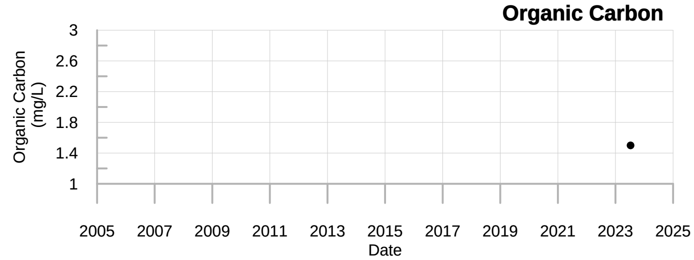

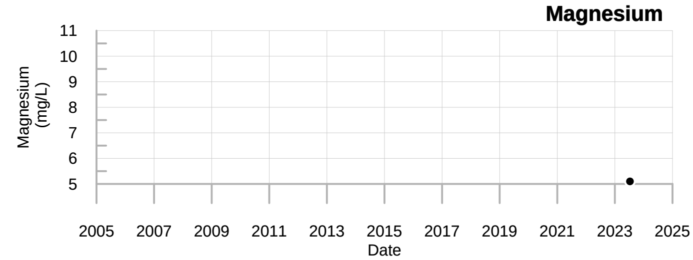

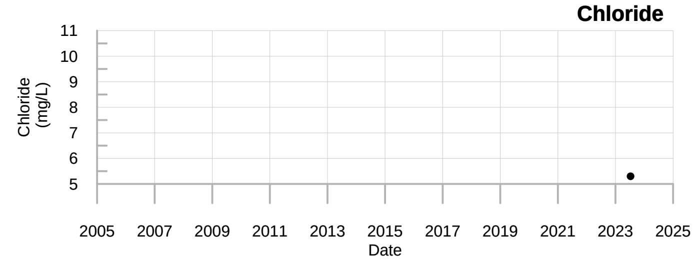

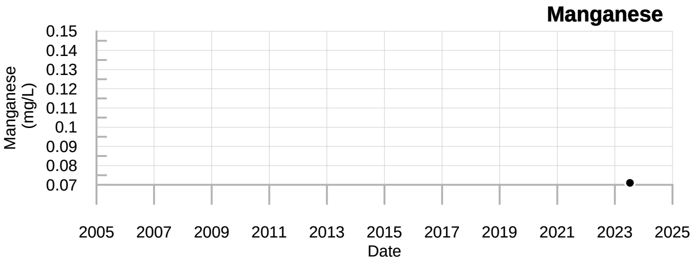

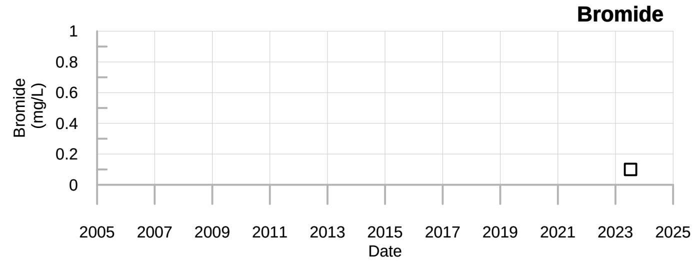

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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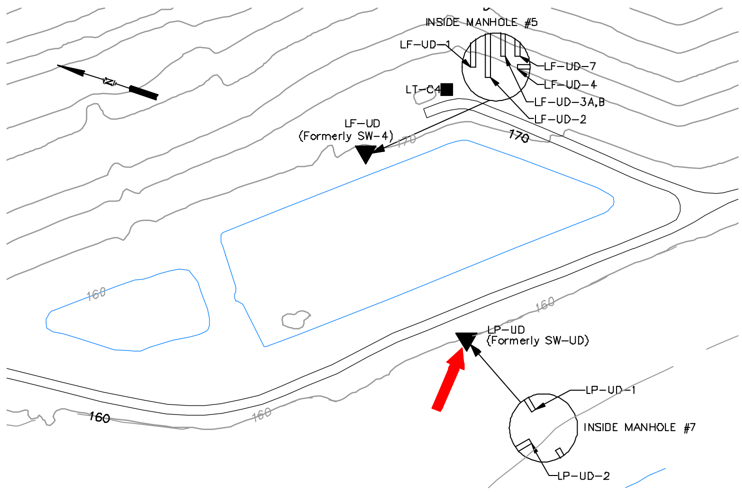
LF-UD-12+13+14
Juniper Ridge Landfill

Well Description

Manhole #7 composite sample



Sampled: **See comments below**

Sampled Since: **10/27/04**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	357	339	384	347	92	to	665	300	±	6.200	121
pH (STU)	7.4	7.3	7.2	7.6	2.2	to	8.4	7.1	±	0.052	121
Temperature (Deg C)	13.3	22.1	23.4	20.8	3.4	to	25.1	15	±	0.460	121
Eh (mV)	351	351	374	344	191	to	520	360	±	3.400	121
Dissolved Oxygen (mg/L)	6	8	8	8	3	to	10	6.9	±	0.140	119
Alkalinity (CaCO3) (field) (mg/L)	150	175	80	150	75	to	260	140	±	2.300	121
Turbidity (field) (NTU)	3.8	3.5	37.2	6.8	0	to	53.1	4	±	0.820	121

underlined/bold - values exceed a regulatory standard listed below.

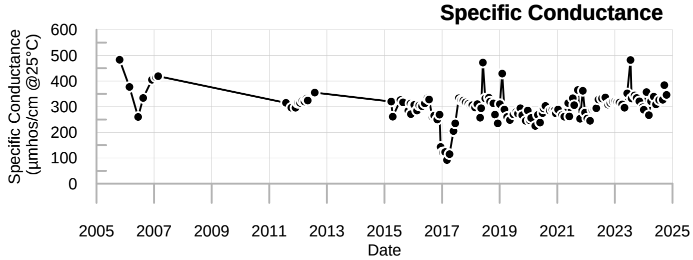
Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

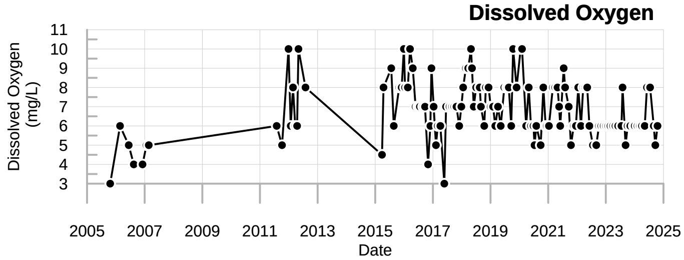
Comments

During times when LP-UD-1 and LP-UD-2 have not been able to be sampled seperately due to pipe submergence, LP-COMP has been collected from manhole #7. Field parameters are measured at this location during some monthly monitoring rounds by NEWSME.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024



No Data Found for Sodium



No Data Found for Total Dissolved Solids

No Data Found for Calcium

No Data Found for Sulfate

No Data Found for Iron

No Data Found for Organic Carbon

No Data Found for Magnesium

No Data Found for Chloride

No Data Found for Manganese

No Data Found for Bromide

LEGEND

☐ - Below reporting Limit, Associate value is the reporting limit.

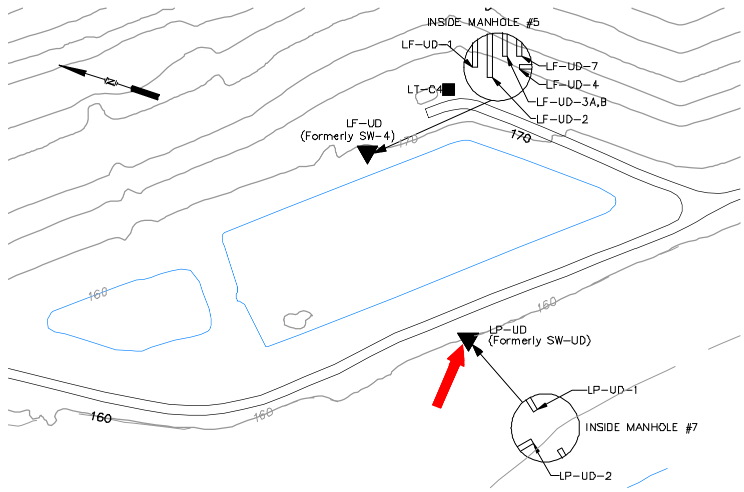
◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

LP-COMP
Juniper Ridge Landfill

Well Description

LP-UD-1 is located at Manhole #7 and monitors the leachate underdrain from the southern end of the former leachate pond.



Sampled: **Monthly and 3 Times Annually**

Sampled Since: **07/28/04**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	H9	H9	H9	H9	241	to	517	340	±	64.000	4
pH (STU)	H9	H9	H9	H9	6.7	to	7.1	6.9	±	0.085	4
Temperature (Deg C)	H9	H9	H9	H9	6.2	to	20.4	14	±	3.700	4
Eh (mV)	H9	H9	H9	H9	349	to	370	360	±	4.800	4
Dissolved Oxygen (mg/L)	H9	H9	H9	H9	2.5	to	6	4.9	±	0.830	4
Flow Rate (cfs)	H9	H9	H9	H9	0.0011	to	0.2152	0.12	±	0.063	3
Arsenic (mg/L)		F6	F6	F6	0.005 U	to	0.005 U	0.005	±	0.000	1
Calcium (mg/L)		F6	F6	F6	32	to	32	32	±	0.000	1
Iron (mg/L)		F6	F6	F6	0.05	to	0.05	0.05	±	0.000	1
Magnesium (mg/L)		F6	F6	F6	8.7	to	8.7	8.7	±	0.000	1
Manganese (mg/L)		F6	F6	F6	0.05 U	to	0.05 U	0.05	±	0.000	1
Potassium (mg/L)		F6	F6	F6	1.7	to	1.7	1.7	±	0.000	1
Sodium (mg/L)		F6	F6	F6	5.5	to	5.5	5.5	±	0.000	1
Nitrite/Nitrate - (N) (mg/L)		F6	F6	F6	0.31	to	0.31	0.31	±	0.000	1
Total Phosphorus Mixed Forms (PO4 and		F6	F6	F6	0.04 U	to	0.04 U	0.04	±	0.000	1
Total Dissolved Solids (mg/L)		F6	F6	F6	163	to	163	160	±	0.000	1
Total Suspended Solids (mg/L)		F6	F6	F6	2.5 U	to	2.5 U	2.5	±	0.000	1
Sulfate (mg/L)		F6	F6	F6	23	to	23	23	±	0.000	1
Bicarbonate Alkalinity (CaCO3) (mg/L)		F6	F6	F6	120	to	120	120	±	0.000	1
Alkalinity (CaCO3) (field) (mg/L)			H9		125	to	150	130	±	8.300	3
Organic Carbon (mg/L)		F6	F6	F6	2 U	to	2 U	2	±	0.000	1
Chloride (mg/L)		F6	F6	F6	3.1	to	3.1	3.1	±	0.000	1
Bromide (mg/L)		F6	F6	F6	0.1 U	to	0.1 U	0.1	±	0.000	1
Turbidity (field) (NTU)	H9	H9	H9	H9	0	to	11	4.1	±	2.600	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

Q1= 1 - 2024
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

H9 = No flow from pipe. See LP-COMP for readings

F6 = No flow. Sample not taken.

Data Group: 245
Printed: 4/16/2025 11:25

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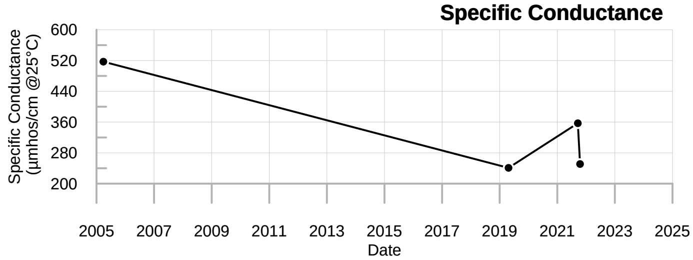
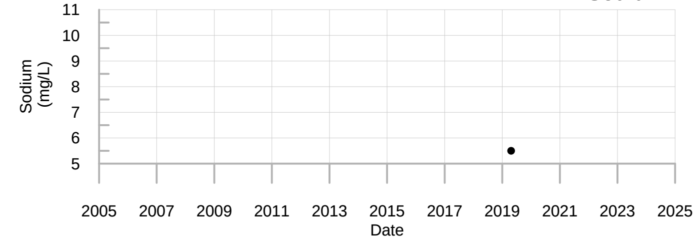
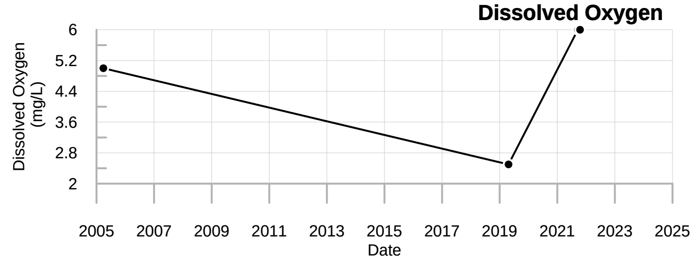
Specific Conductance



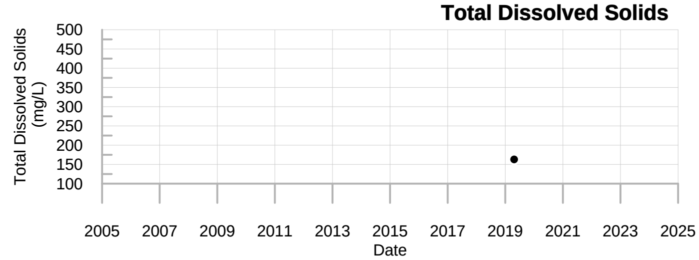
Sodium



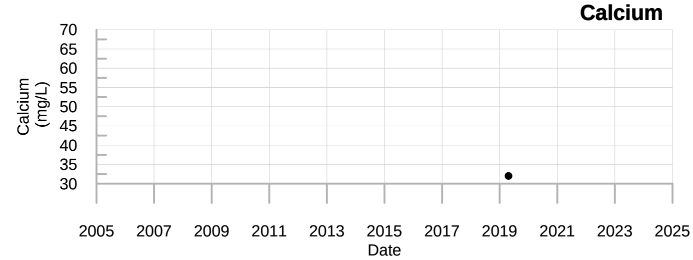
Dissolved Oxygen



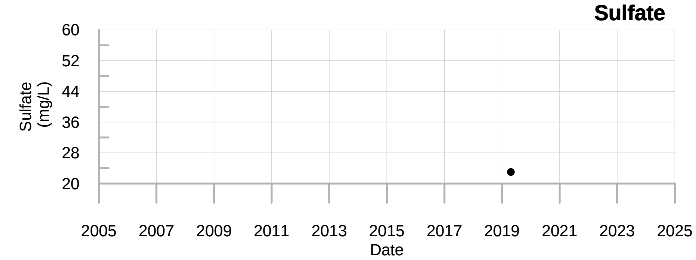
Total Dissolved Solids



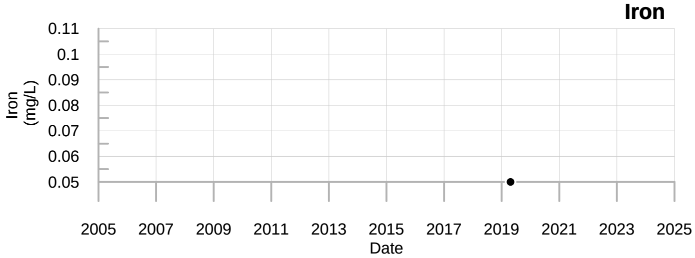
Calcium



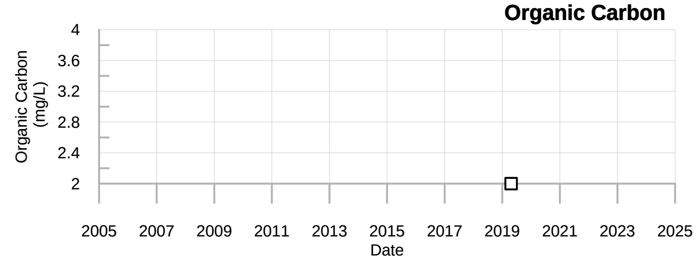
Sulfate



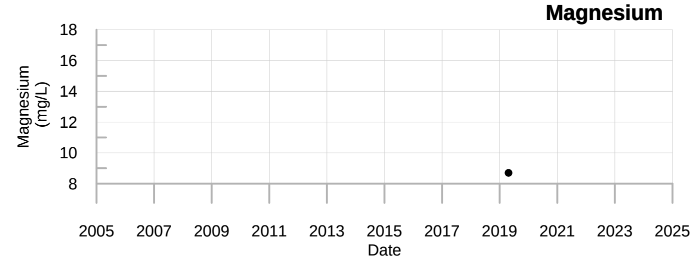
Iron



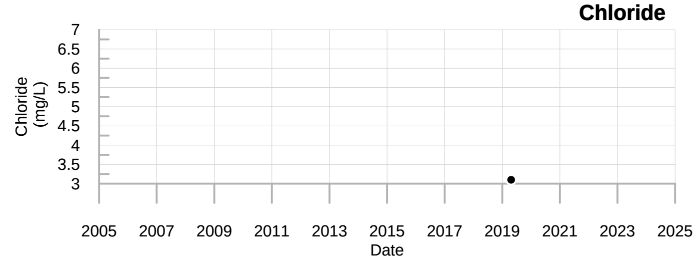
Organic Carbon



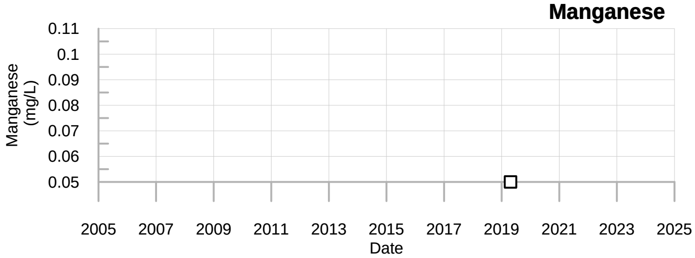
Magnesium



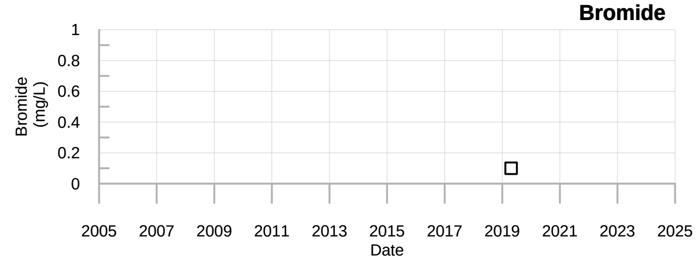
Chloride



Manganese



Bromide



LEGEND

- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

SME
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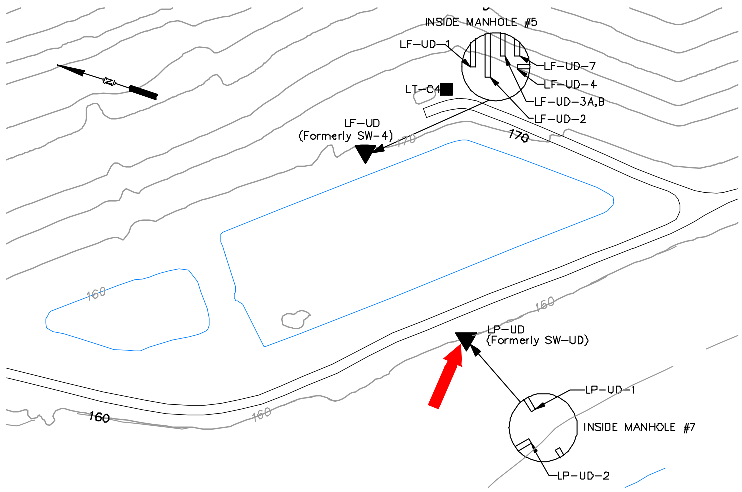
LP-UD-1
Juniper Ridge Landfill

Sevee & Maher Engineers, Inc.

Well Description

LP-UD-2 is located in Manhole #7 and monitors the water quality of the leachate underdrain on the north end of the former leachate pond.



Sampled: **Monthly and 3 Times Annually**

Sampled Since: **07/28/04**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)	522	531	339	319	110	to	834	330	±	5.100	235
pH (STU)	7.2	7	7.2	6.8	5.5	to	8.5	7.1	±	0.027	235
Temperature (Deg C)	14.7	6.9	22.1	15.1	1.3	to	25.2	14	±	0.330	235
Eh (mV)	361	444	393	440	157	to	520	350	±	3.900	234
Dissolved Oxygen (mg/L)	6	9.3	9.4	3.9	1	to	12	6.7	±	0.110	235
Flow Rate (cfs)	0.0007	0.0022	0.0027	0.0023	0.0002	to	0.0668	0.0021	±	0.000	193
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001 U	to	0.024	0.006	±	0.001	59
Calcium (mg/L)		32	38	39	28.8	to	68.2	38	±	0.930	59
Iron (mg/L)		0.99	↑3.4	0.46	0.02 U	to	2.86	0.21	±	0.070	59
Magnesium (mg/L)		8.8	10	9.9	7.7	to	21	11	±	0.270	59
Manganese (mg/L)		0.05 U	0.1	0.05 U	0.02 U	to	0.8	0.064	±	0.014	59
Potassium (mg/L)		↓1.6	2.3	1.7	1.7	to	25	3.2	±	0.410	59
Sodium (mg/L)		↓5	6.3	5.5	5.5	to	58	10	±	1.000	59
Nitrite/Nitrate - (N) (mg/L)		0.3	0.24	0.27	0.085	to	2 U	0.35	±	0.068	27
Total Phosphorus Mixed Forms (PO4 and		0.08	0.2	0.04 U	0.01 U	to	0.35	0.04	±	0.006	59
Total Dissolved Solids (mg/L)		155	192	193	151	to	455	200	±	6.000	59
Total Suspended Solids (mg/L)		32	56	20	2.5 U	to	85	7.7	±	2.000	59
Sulfate (mg/L)		6.6	7.7	7.1	2 U	to	116	13	±	2.100	59
Bicarbonate Alkalinity (CaCO3) (mg/L)		130	150	160	90	to	229	140	±	3.100	59
Alkalinity (CaCO3) (field) (mg/L)	150	175	112.5		30	to	350	140	±	2.600	206
Organic Carbon (mg/L)		1.1	2.7	1 U	0.7 U	to	27	2.3	±	0.440	59
Chloride (mg/L)		2.4	2.2	2.9	2.1	to	31.1	6.9	±	0.590	59
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11	±	0.006	33
Turbidity (field) (NTU)	2.2	3	8.6	1.2	0	to	60	1.6	±	0.300	234

underlined/bold - values exceed a regulatory standard listed below.

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↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

This location is monitored triannually for field and lab parameters and monthly for field parameters only.

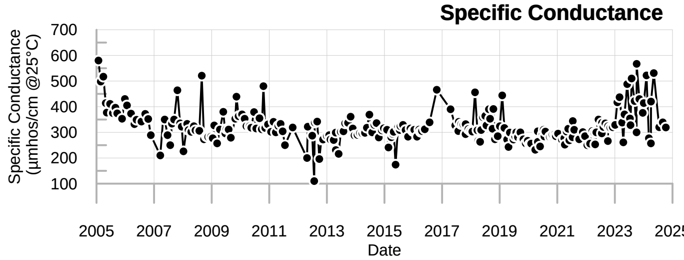
Q1= 1 - 2024

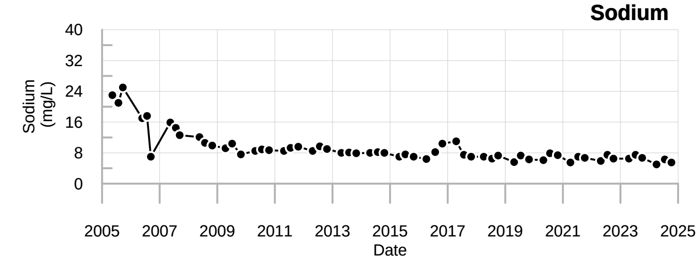
Q2= 4 - 2024

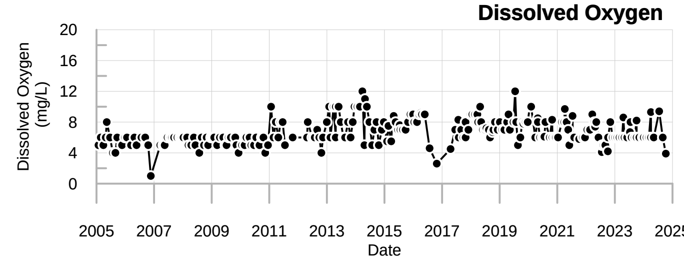
Q3= 7 - 2024

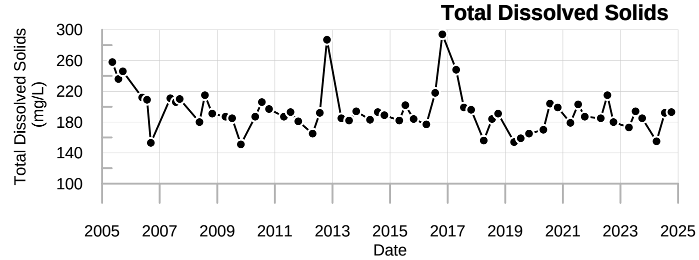
Q4= 10 - 2024

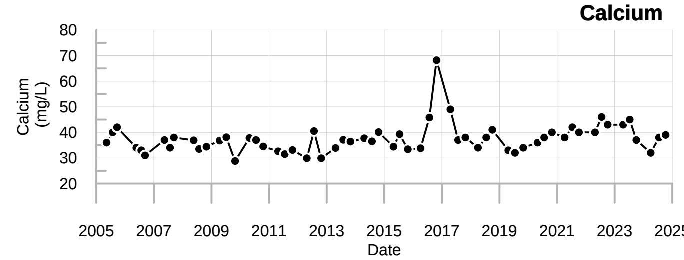
U = Not Detected above the laboratory reporting limit.

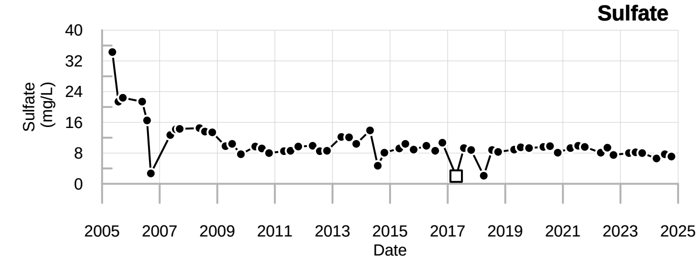


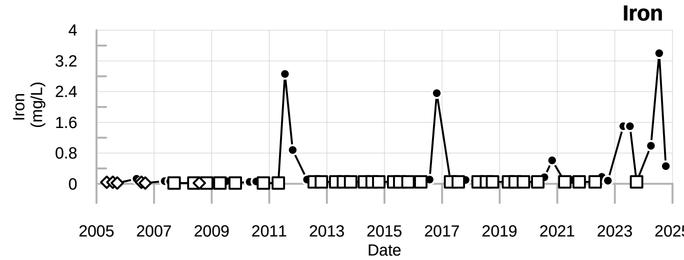


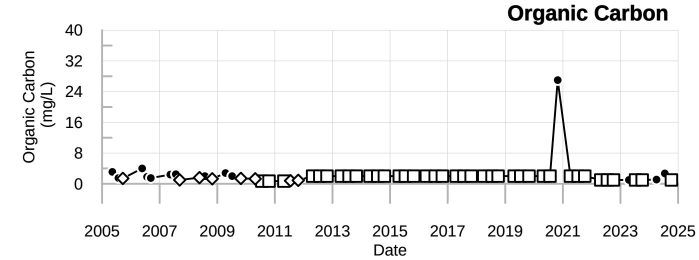


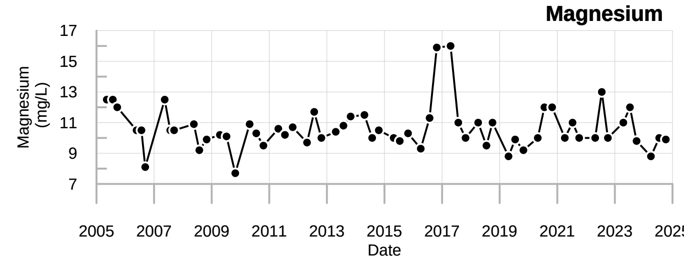


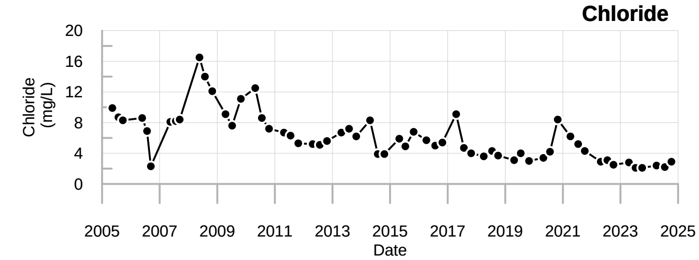


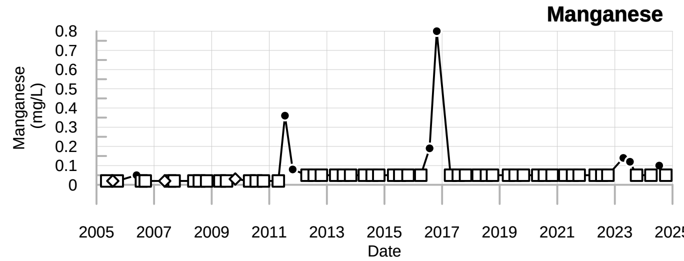


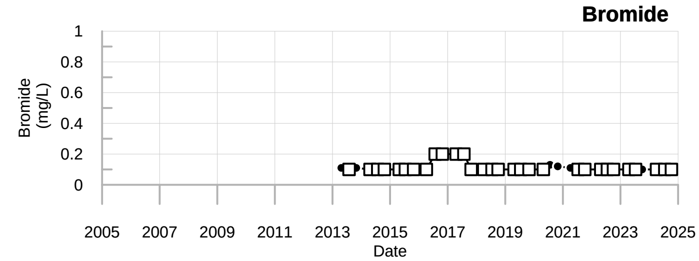












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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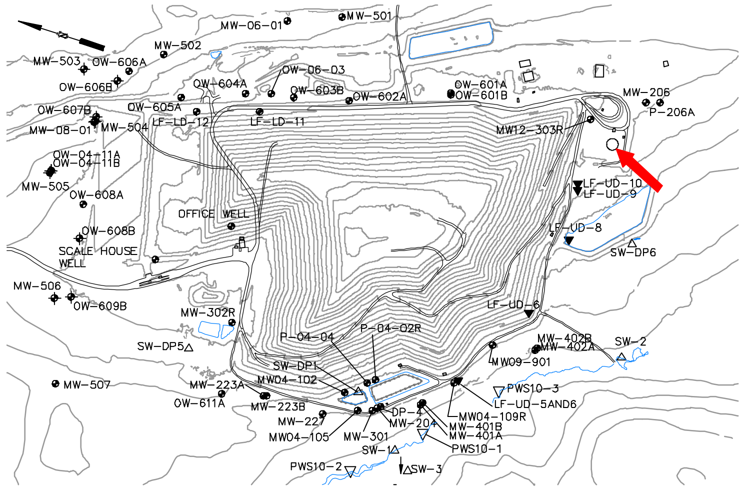
LP-UD-2

Juniper Ridge Landfill

LT-C4L & LT-C4LR

Well Description

Leachate collection location at leachate storage tank.



Sampled:	**3 Times Annually**
Sampled Since:	**07/30/2013**
Sampling Method:	**Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		12151	19800	22146	11470	to	30700	22000	±	700.000	45
pH (STU)		7.1	7	6.8	5.5	to	7.6	7	±	0.066	45
Temperature (Deg C)		13.5	↑31.9	19.6	9.4	to	29	19	±	0.810	45
Eh (mV)		-39	-50	-46	-311	to	238	-12	±	18.000	45
Dissolved Oxygen (mg/L)		0.4	0.5	0.1	0.1	to	8	2	±	0.510	19
Flow Rate (cfs)		0.0071	0.0071	0.0071	0.0071	to	0.0071	0.0071	±	0.000	4
Aluminum (mg/L)			0.53		0.201	to	1.4	0.52	±	0.081	15
Antimony (mg/L)			0.035		0.005 U	to	0.065	0.016	±	0.004	15
Arsenic (mg/L)		0.19	0.24	0.37	0.059	to	0.6	0.24	±	0.020	45
Barium (mg/L)			0.9		0.77	to	1.873	1.2	±	0.075	15
Beryllium (mg/L)			0.001 U		0.0002 U	to	0.0033	0.0013	±	0.000	15
Cadmium (mg/L)			0.0044		0.0006 U	to	0.025	0.0058	±	0.001	27
Calcium (mg/L)		370	260	200	200	to	1759	480	±	47.000	45
Chromium (mg/L)			0.22		0.024	to	0.29	0.093	±	0.019	15
Cobalt (mg/L)			0.01		0.01 U	to	0.05 U	0.024	±	0.004	15
Copper (mg/L)			0.0072		0.003 U	to	0.093	0.021	±	0.004	27
Iron (mg/L)		5.8	4.2	↓2.8	2.9	to	179	24	±	4.800	45
Lead (mg/L)			0.027		0.002	to	0.095	0.022	±	0.007	15
Magnesium (mg/L)		↓140	190	190	170	to	532	310	±	14.000	45
Manganese (mg/L)		3.6	2.2	1.3	1.3	to	26	6.1	±	0.980	45
Mercury (mg/L)			0.0005 U		0.0002 U	to	0.0005 U	0.00044	±	0.000	14
Nickel (mg/L)			0.054		0.022	to	0.304	0.093	±	0.012	27
Potassium (mg/L)		↓500	820	890	580	to	1982	1200	±	53.000	45
Selenium (mg/L)			0.0053		0.005 U	to	0.098	0.028	±	0.006	15
Silver (mg/L)			0.0013		0.0003	to	0.2	0.019	±	0.013	15
Sodium (mg/L)		1200	2000	2100	1024	to	8135	2400	±	160.000	45
Thallium (mg/L)			0.004 U		0.001 U	to	0.025	0.0093	±	0.002	15
Vanadium (mg/L)			0.062		0.01 U	to	0.1	0.036	±	0.006	15
Zinc (mg/L)			0.047		0.011	to	0.604	0.11	±	0.039	15
Tin (mg/L)			0.041		0.005 U	to	0.157	0.045	±	0.012	15
Total Kjeldahl Nitrogen (mg/L)		490	720	1100	290	to	1400	790	±	33.000	43
Ammonia (N) (mg/L)			630		74	to	840	590	±	35.000	27
Nitrate (N) (mg/L)			6 U		5 U	to	1210	120	±	47.000	27
Nitrite/Nitrate - (N) (mg/L)		0.082		0.3 U	0.05 U	to	10 U	0.9	±	0.560	18
Total Dissolved Solids (mg/L)		6930	9590	12710	13	to	19816	13000	±	540.000	45
Total Suspended Solids (mg/L)		8.3 U	25 U	8.3 U	2.5 U	to	625	63	±	15.000	45
Sulfate (mg/L)		330	70	32	10.4	to	2900	740	±	130.000	45
Sulfide (mg/L)			22		0.18	to	78	12	±	3.300	26

Data Group: 245
Printed: 4/16/2025 11:25

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Juniper Ridge Landfill

Annual Stats

Ca-mg Hardness (CaCO3) (mg/L)		1400		1300 to 6212	2200 ± 310.000	15
Bicarbonate Alkalinity (CaCO3) (mg/L)	2400	3200	↓390	1370 to 4710	3000 ± 100.000	45
Alkalinity (CaCO3) (mg/L)		3200		1370 to 3700	2700 ± 180.000	15
Organic Carbon (mg/L)	580	420	490	110 to 2560	790 ± 94.000	45
Biochemical Oxygen Demand (mg/L)		160		39 to 4850	1200 ± 270.000	26
Chemical Oxygen Demand (mg/L)		2000		959 to 8110	3300 ± 400.000	27
Chloride (mg/L)	↓2500	4200	5700	2560 to 24300	10000 ± 770.000	45
Bromide (mg/L)	31	52	82	10 U to 188	67 ± 5.400	37
Cyanide (ug/L)		450		0.006 to 810	94 ± 58.000	15
Turbidity (field) (NTU)	D3	D3	D3	4.4 to 1733	420 ± 110.000	23

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

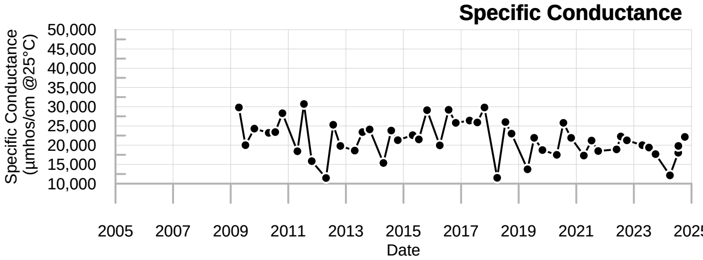
Q2= 4 - 2024

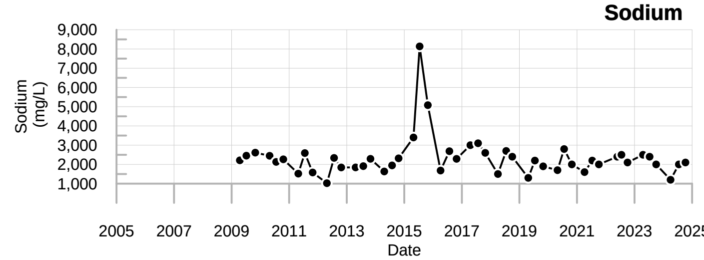
Q3= 7 - 2024

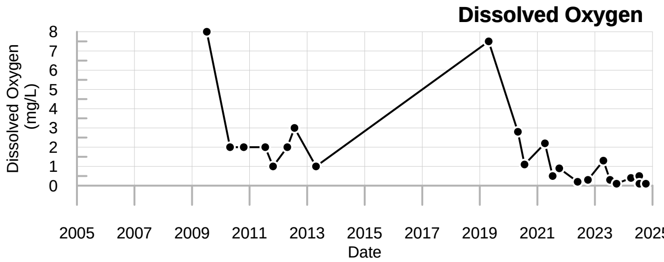
Q4= 10 - 2024

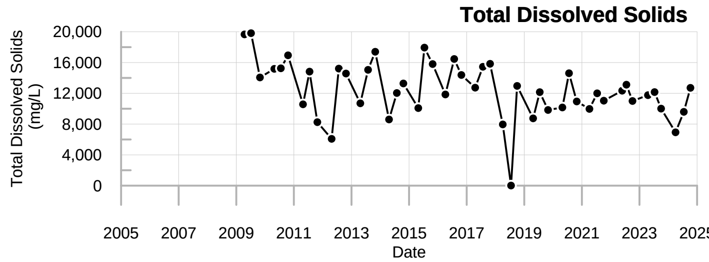
U = Not Detected above the laboratory reporting limit.

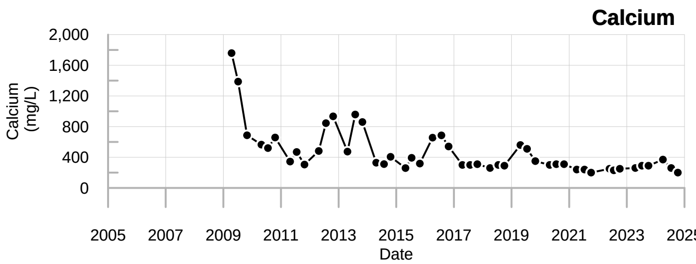
D3 = Sample too dark to take reading.

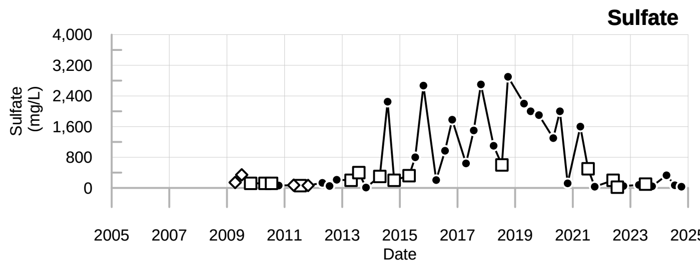


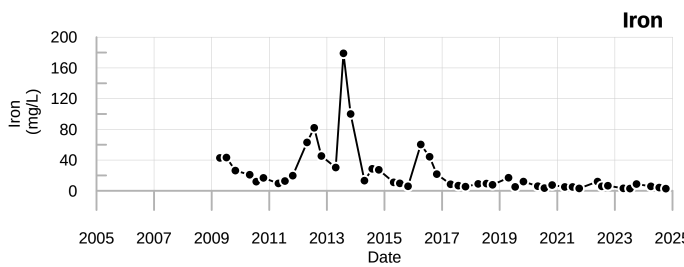


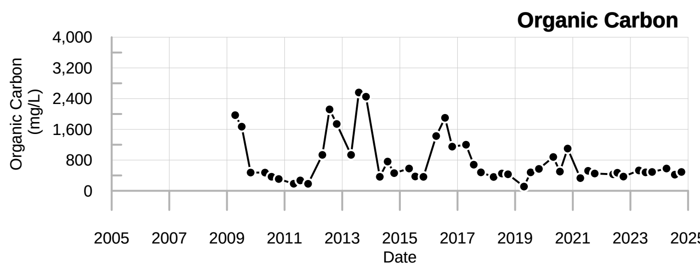


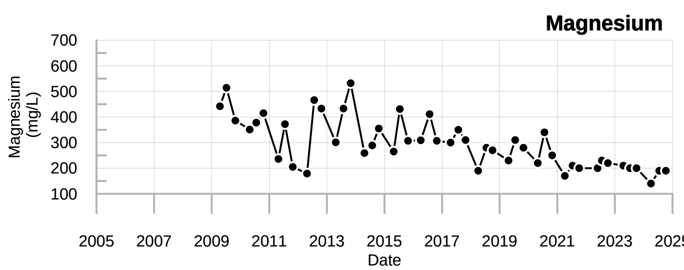


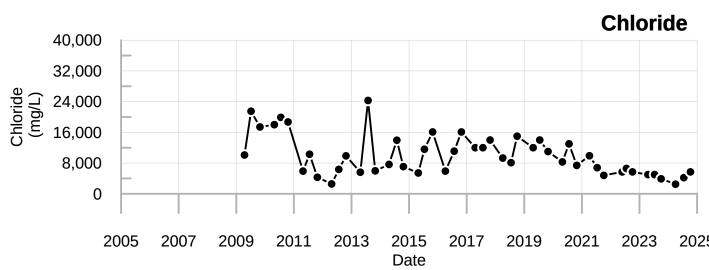


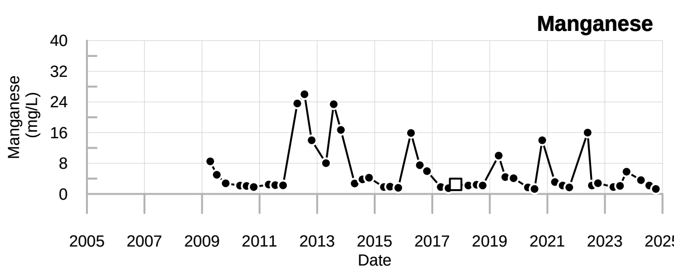


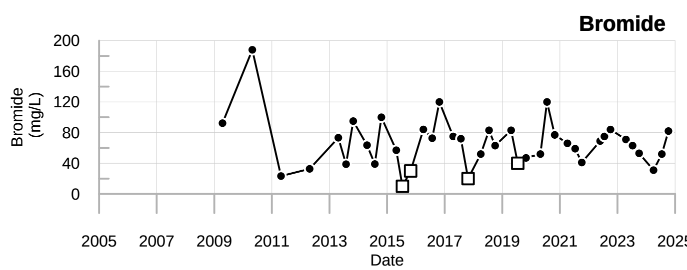












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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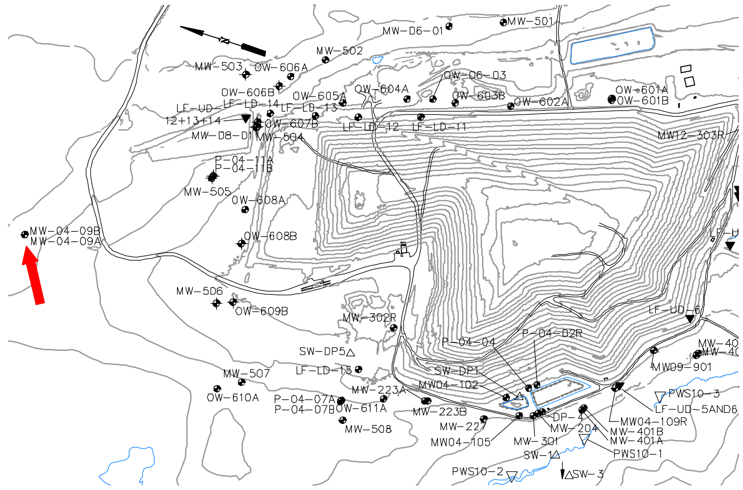
LT-C4L & LT-C4LR

Juniper Ridge Landfill

Well Description



MW-04-09A monitors bedrock groundwater downgradient and north of the landfill expansion.

Screen Interval:	**38 ft. to 39 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**Feb-20**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		270	269	249	187	to	389	320	±	18.000	12
pH (STU)		7.7	7.4	↓6.8	7	to	8.7	7.7	±	0.140	12
Temperature (Deg C)		7	12.8	8.9	6.5	to	14.9	9.6	±	0.740	12
Water Level Depth (Feet)		↓4.8	5.7	7.4	5.07	to	9.3	6.9	±	0.480	12
Water Level Elevation (Feet)		↑165.1	164.2	162.5	160.6	to	164.83	160	±	0.480	12
Water Level Reference Point (Feet)		169.9	169.9	169.9	169.9	to	169.9	170	±	0.000	12
Eh (mV)		223	274	318	26	to	370	140	±	30.000	12
Dissolved Oxygen (mg/L)		4.7	0.8	0.4	0.2	to	8.2	1.9	±	0.660	12
Well Depth (Feet)				42.1	42.1	to	42.38	42	±	0.093	3
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.008	0.0058	±	0.000	13
Calcium (mg/L)		20	22	20	19	to	26	22	±	0.540	13
Copper (mg/L)		↑0.01	0.0036	0.003 U	0.003 U	to	0.0054	0.0034	±	0.000	13
Iron (mg/L)		0.18	0.14	0.19	0.07	to	1.4	0.48	±	0.110	13
Magnesium (mg/L)		↓5.6	6.1	↓5.9	6.1	to	7.8	7	±	0.130	13
Manganese (mg/L)		0.2	0.21	0.27	0.14	to	0.33	0.25	±	0.016	13
Potassium (mg/L)		↓1.8	1.9	↓1.8	1.9	to	3.6	2.8	±	0.150	13
Sodium (mg/L)		<u>**28**</u>	<u>**28**</u>	<u>**30**</u>	19	to	53	33	±	2.700	13
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	8
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.53	0.25	±	0.027	12
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	±	0.000	12
Nitrite/Nitrate - (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.14	0.058	±	0.008	12
Total Dissolved Solids (mg/L)		178	172	174	150	to	272	220	±	9.400	12
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	93	25	±	8.200	12
Sulfate (mg/L)		42	39	38	2 U	to	96	60	±	6.900	12
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	1.1	0.19	±	0.083	12
Alkalinity (CaCO3) (mg/L)		91	92	92	84	to	100	94	±	1.300	12
Organic Carbon (mg/L)		4.3	3	3	1.1	to	7.1	3.5	±	0.490	12
Chloride (mg/L)		4.4	4.2	↓3.9	4.1	to	5.9	4.8	±	0.200	12
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	12
Turbidity (field) (NTU)		2.6	0.8	0.8	0.6	to	81.2	9.6	±	6.500	12
Methane (ug/L)		↓6.6	↓5.2 U	↓5.2 U	20 U	to	20 U	20	±	0.000	8

<u>**underlined/bold**</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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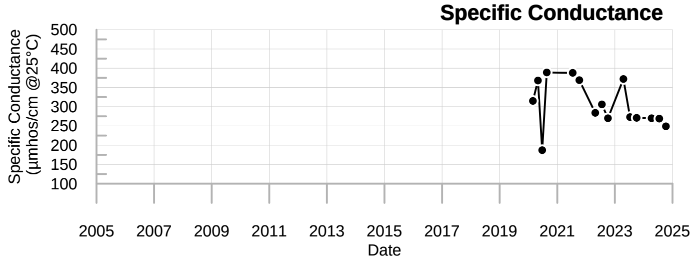

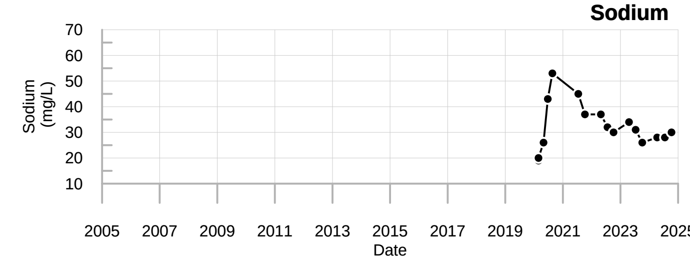

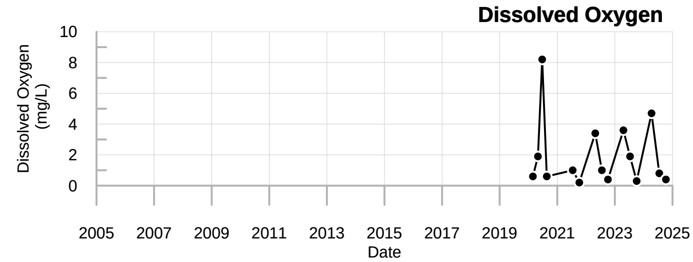

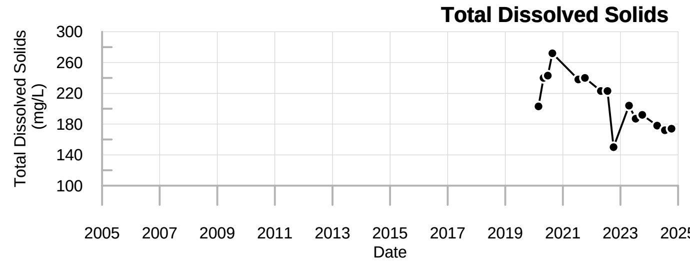

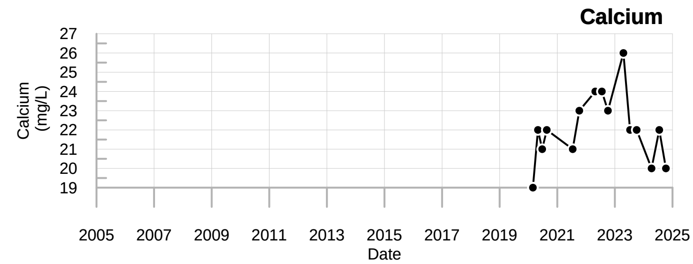

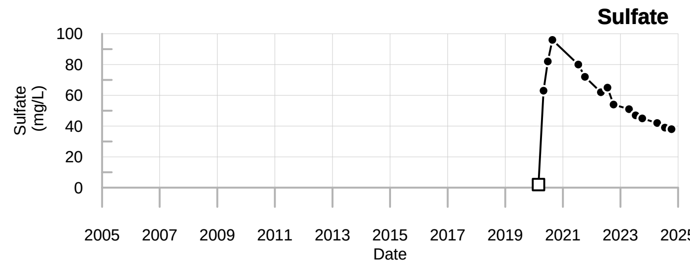

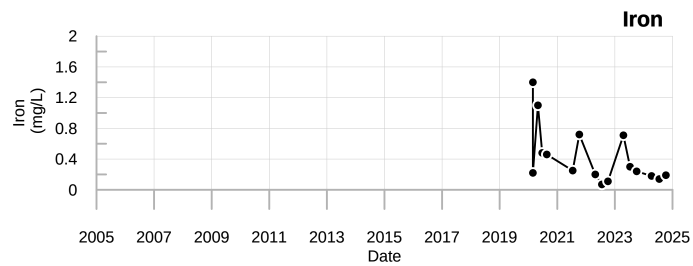

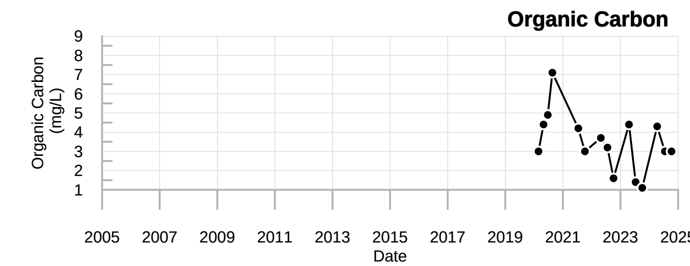

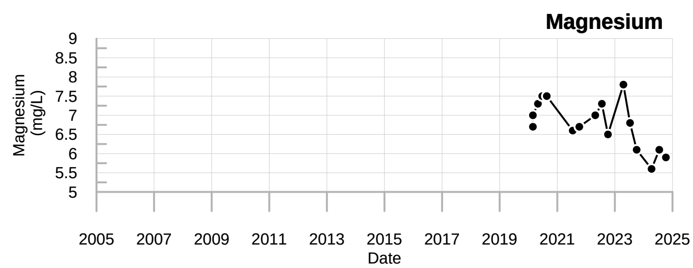

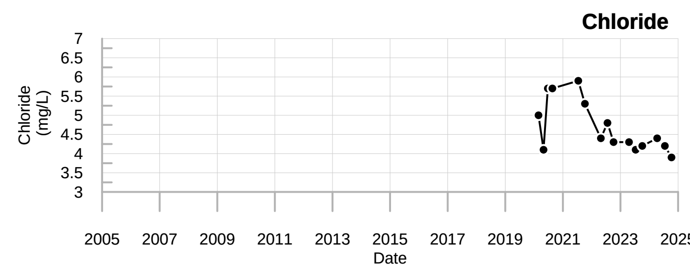

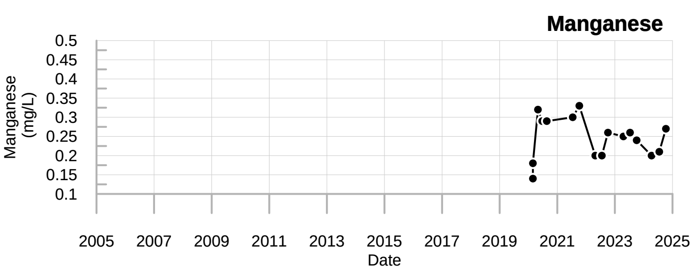

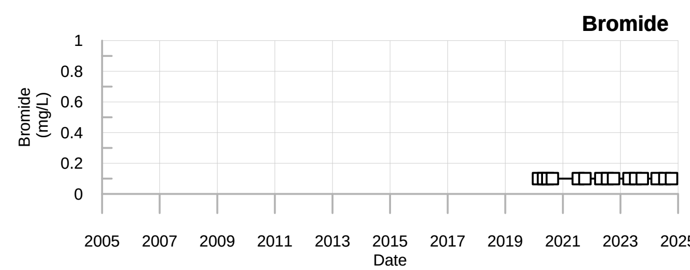

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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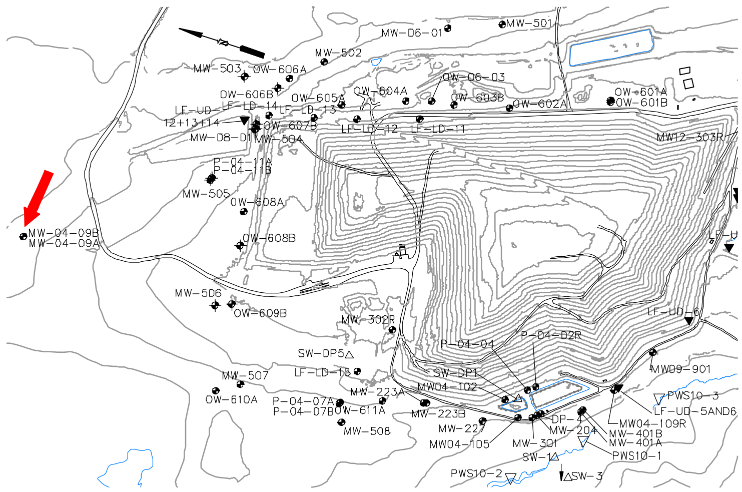
MW-04-09A
Juniper Ridge Landfill

Well Description

MW-04-09B monitors overburden groundwater downgradient and north of the landfill expansion



Screen Interval:	**14 ft. to 15 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**Feb-20**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		↓79	96	102	89	to	164	110	±	6.400	12
pH (STU)		6.9	6.6	6.3	6.3	to	7.5	7	±	0.110	12
Temperature (Deg C)		5.5	↑12.8	10.6	5.3	to	12.7	9.7	±	0.850	12
Water Level Depth (Feet)		4.8	5.7	7.4	4.6	to	9.4	6.5	±	0.470	12
Water Level Elevation (Feet)		165.13	164.23	162.53	160.53	to	165.33	160	±	0.470	12
Water Level Reference Point (Feet)		169.93	169.93	169.93	169.93	to	169.93	170	±	0.000	12
Eh (mV)		301	304	346	211	to	417	300	±	17.000	12
Dissolved Oxygen (mg/L)		10.3	7.9	7.5	3.4	to	10.5	8.2	±	0.530	12
Well Depth (Feet)				19.64	19.64	to	19.64	20	±	0.000	3
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.005	0.005	±	0.000	12
Calcium (mg/L)		↓6.7	8.1	9.1	8.1	to	11	9.3	±	0.250	12
Copper (mg/L)		↑0.012	↑0.0061	0.003 U	0.003 U	to	0.003 U	0.003	±	0.000	12
Iron (mg/L)		0.12	0.13	0.08	0.07	to	0.32	0.19	±	0.022	12
Magnesium (mg/L)		↓2.6	3.1	3.7	3.1	to	4.1	3.7	±	0.075	12
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	12
Potassium (mg/L)		↓0.45	↓0.54	↓0.6	0.62	to	1.5	0.86	±	0.082	12
Sodium (mg/L)		↓3.8	↓3.9	4.1	4	to	5.6	4.8	±	0.150	12
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	8
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.57	0.25	±	0.030	12
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	±	0.000	12
Nitrite/Nitrate - (N) (mg/L)		0.05 U	0.05 U	0.051	0.05 U	to	0.17	0.084	±	0.011	12
Total Dissolved Solids (mg/L)		82	75	78	42	to	103	81	±	4.300	12
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	4.5	3	±	0.230	12
Sulfate (mg/L)		3.4	3.2	3.5	2 U	to	7.3	4.2	±	0.430	12
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	12
Alkalinity (CaCO3) (mg/L)		↓29	37	43	34	to	52	42	±	1.500	12
Organic Carbon (mg/L)		1 U	1 U	1 U	1 U	to	2 U	1.5	±	0.150	12
Chloride (mg/L)		↑5.7	↑6	↑5.8	2.8	to	5.6	4.1	±	0.250	12
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	12
Turbidity (field) (NTU)		1.4	2.6	0.9	0.3	to	11.1	3.9	±	1.000	12
Methane (ug/L)		↓5.2 U	↓5.2 U	↓5.2 U	20 U	to	20 U	20	±	0.000	8

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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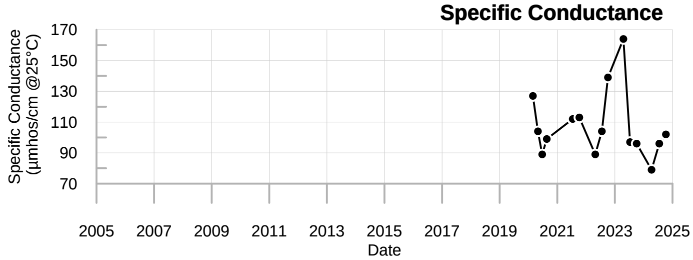

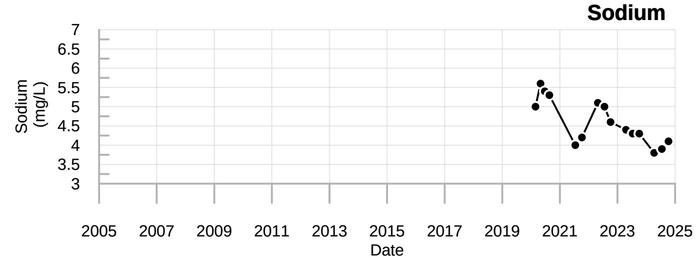

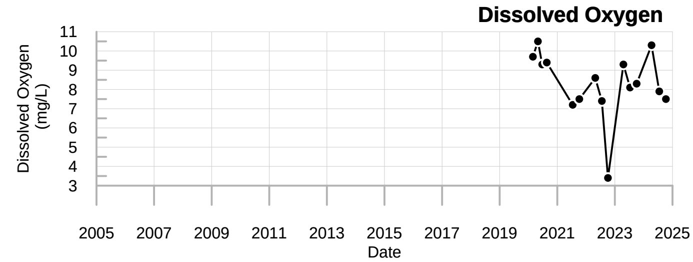

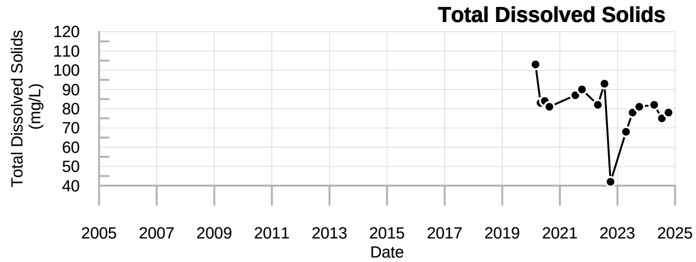

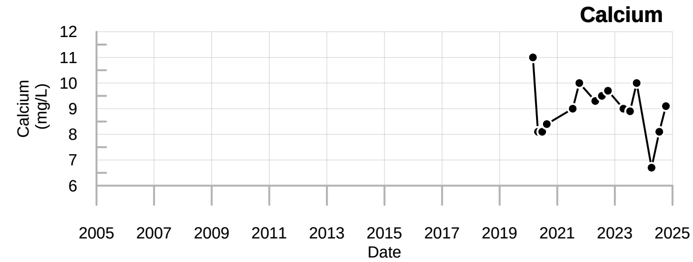

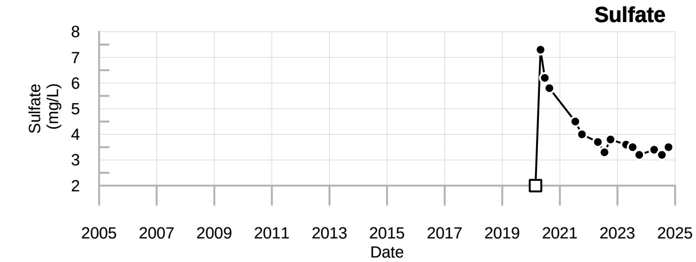

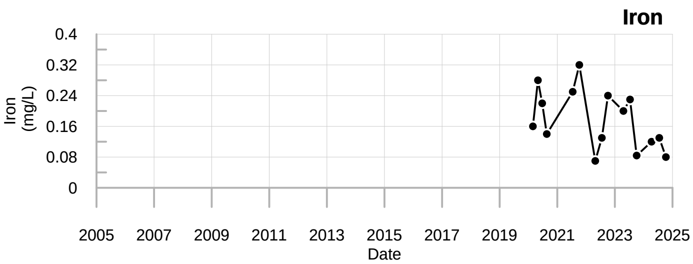

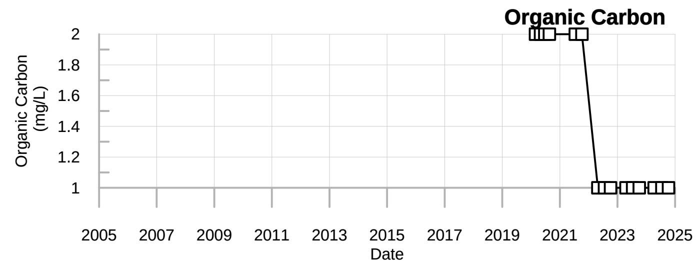

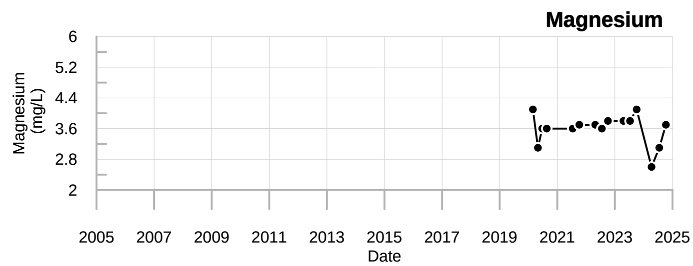

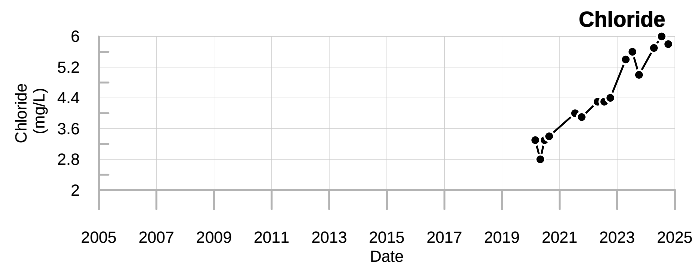

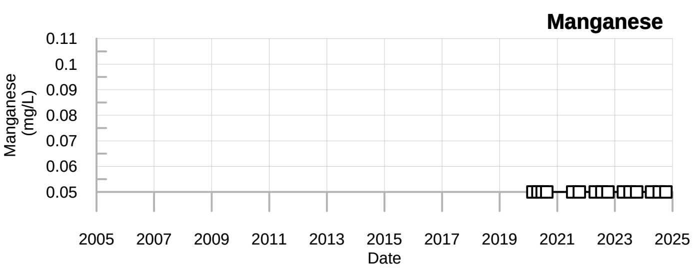

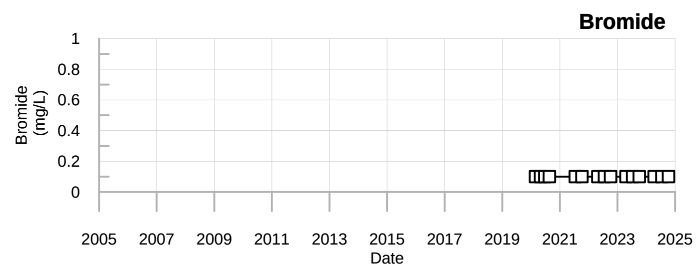

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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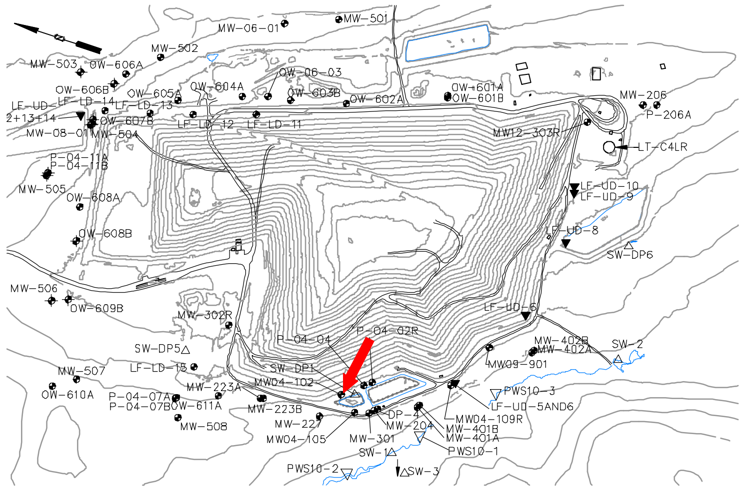
MW-04-09B
Juniper Ridge Landfill

Well Description

MW04-102 monitors groundwater in the overburden downgradient of the landfill and upgradient of Stormwater Detention Pond-1.



Screen Interval:	**10 ft. to 15 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**01/18/2005**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		199	216	206	193	to	320	230	±	3.100	58
pH (STU)		8.3	7.7	7.4	6.2	to	8.4	7.8	±	0.055	58
Temperature (Deg C)		6.5	16.3	15.7	4	to	20.1	12	±	0.550	58
Water Level Depth (Feet)		6.5	7.1	8.4	4.8	to	9.92	6.6	±	0.140	58
Water Level Elevation (Feet)		163.72	163.12	161.82	160.3	to	167.62	160	±	0.160	58
Water Level Reference Point (Feet)		170.22	170.22	170.22	170.22	to	170.22	170	±	0.000	58
Eh (mV)		204	298	369	-8	to	476	300	±	11.000	58
Dissolved Oxygen (mg/L)		7.4	4.3	4.6	1	to	7.5	3.9	±	0.190	58
Well Depth (Feet)				↑18.11	17.84	to	18.05	18	±	0.015	18
Arsenic (mg/L)		0.005 U	0.005 U	↑<u>**0.027**</u>	0.001 U	to	0.017	0.0053	±	0.000	58
Calcium (mg/L)		28	30	26	23.5	to	31.2	27	±	0.230	58
Iron (mg/L)		0.11	0.05 U	0.054	0.02 U	to	0.19	0.054	±	0.004	58
Magnesium (mg/L)		7	7.2	7	6.3	to	8.1	7.1	±	0.052	58
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.09	0.041	±	0.002	58
Potassium (mg/L)		1.5	1.6	1.6	1.2	to	3.2	1.8	±	0.048	58
Sodium (mg/L)		7.4	7.3	6.5	6.3	to	11	7.6	±	0.120	58
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	3.8	0.47	±	0.065	58
Nitrite/Nitrate - (N) (mg/L)		0.099	0.05 U	0.05 U	0.05 U	to	2 U	0.19	±	0.073	27
Total Dissolved Solids (mg/L)		130	128	139	91	to	151	130	±	1.300	58
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	5	3.5	±	0.098	58
Sulfate (mg/L)		11	9	9.4	5.7	to	14.5	11	±	0.280	58
Bicarbonate Alkalinity (CaCO3) (mg/L)		100	100	110	73	to	110	100	±	0.660	58
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5	to	5.3	1.8	±	0.120	58
Chloride (mg/L)		1.5	2	1.6	1 U	to	3.5	1.7	±	0.075	58
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.03 U	to	0.2 U	0.11	±	0.007	37
Turbidity (field) (NTU)		1.3	0.7	0.8	0	to	8.1	1.6	±	0.180	58

<u>**underlined/bold**</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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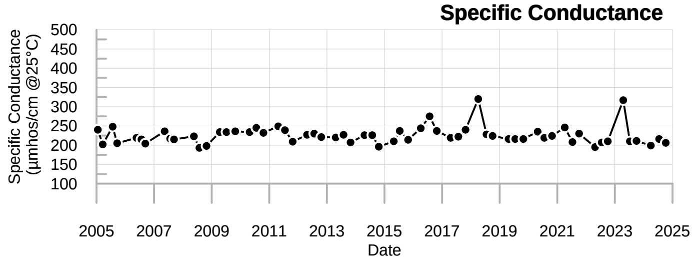

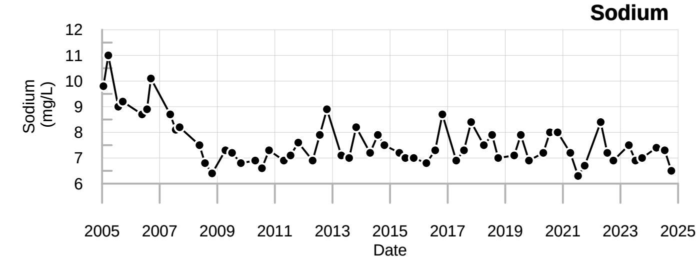

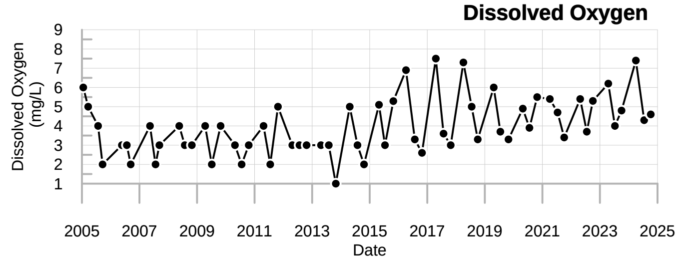

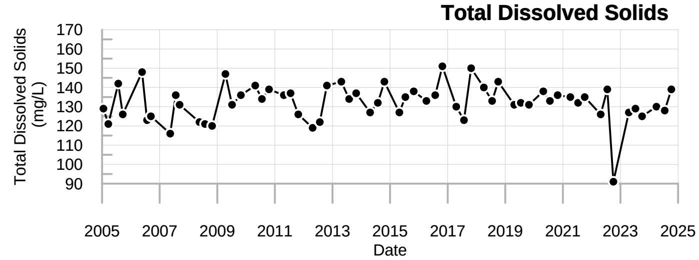

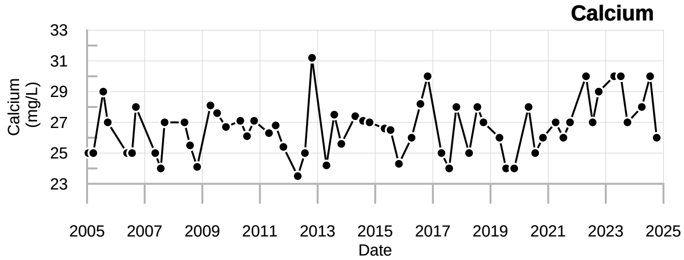

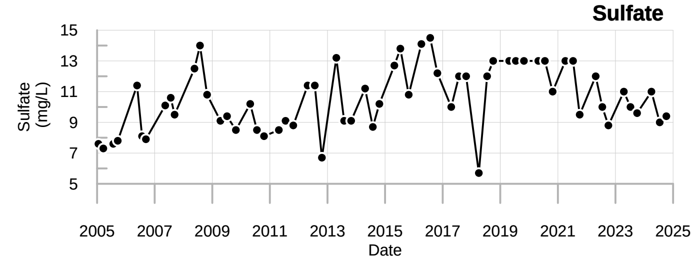

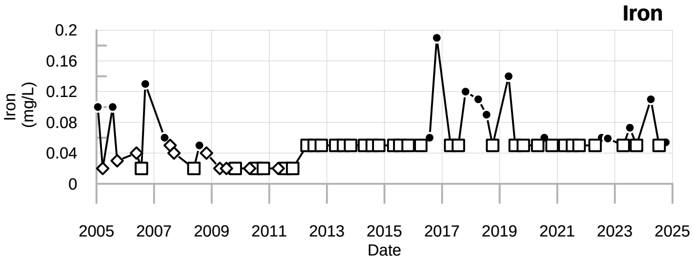

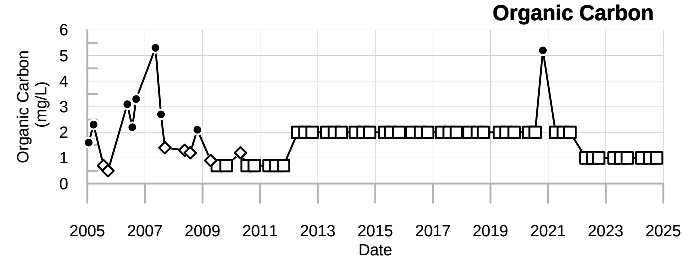

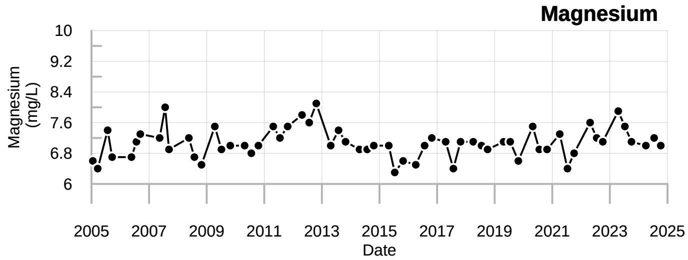

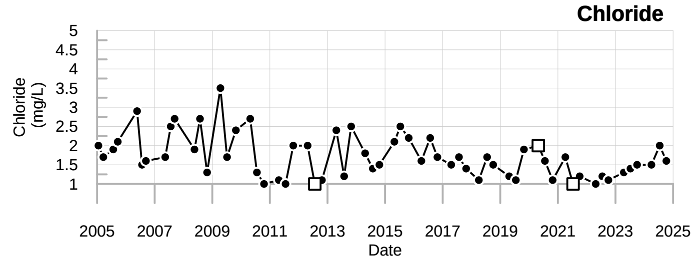

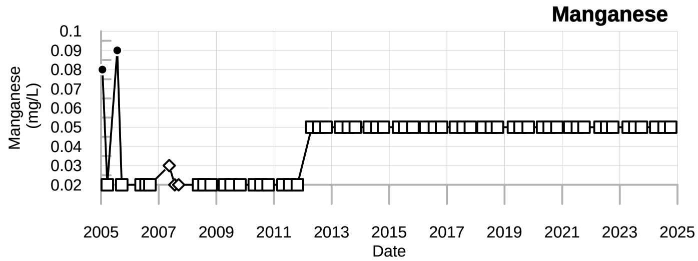

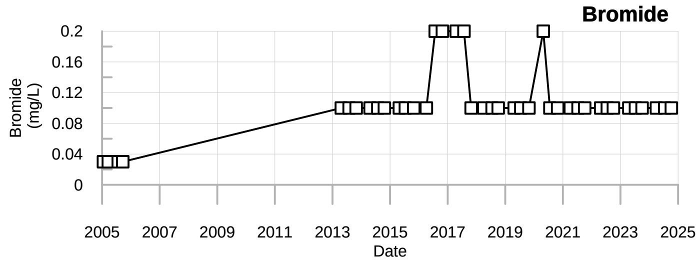

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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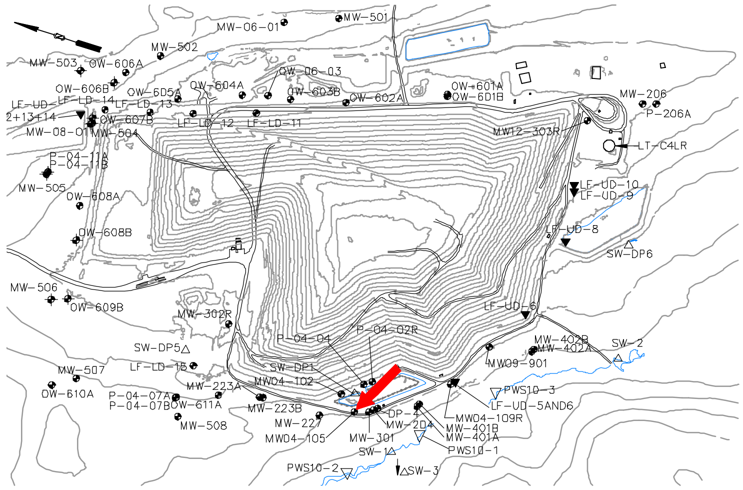
MW04-102

Juniper Ridge Landfill

Well Description

MW04-105 monitors groundwater in the overburden downgradient of the landfill and Stormwater Detention Pond-1.



Screen Interval:	**14.8 ft. to 19.8 ft.**
Sampled:	**1 Time Annually(field parameters only)**
Sampled Since:	**01/17/2005**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean	±	SE	n
Specific Conductance (µmhos/cm @25°C)				381	207	to	703	350	±	17.000	38
pH (STU)				6.4	6.1	to	7.7	6.9	±	0.056	38
Temperature (Deg C)				12.5	6.7	to	23.8	12	±	0.550	38
Water Level Depth (Feet)				8.22	5.8	to	9.2	7.6	±	0.130	38
Water Level Elevation (Feet)				157.37	156.39	to	159.79	160	±	0.130	38
Water Level Reference Point (Feet)				165.59	165.59	to	165.59	170	±	0.000	38
Eh (mV)				305	-7	to	447	290	±	14.000	38
Dissolved Oxygen (mg/L)				0.2	0.2	to	4	1.2	±	0.170	38
Well Depth (Feet)				22.82	22.75	to	22.85	23	±	0.010	18
Turbidity (field) (NTU)				0.1 U	0	to	3.7	1	±	0.150	38

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

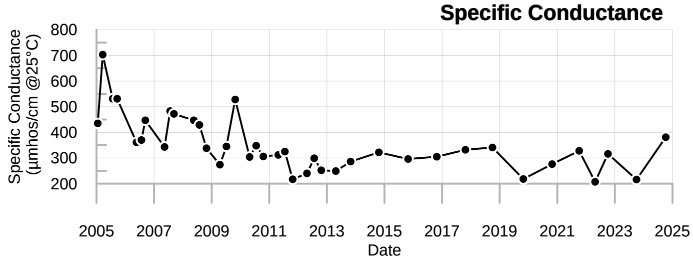
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

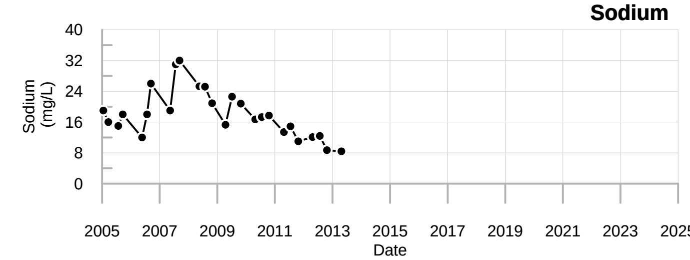
Comments

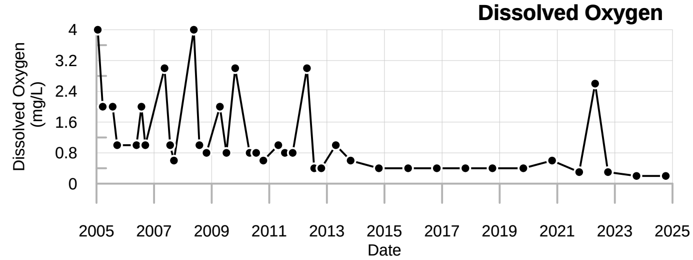
Q4= 10 - 2024

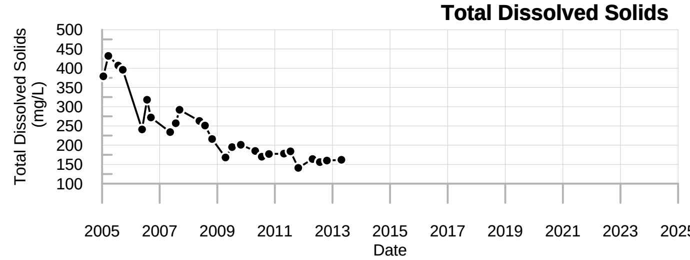
U = Not Detected above the laboratory reporting limit.

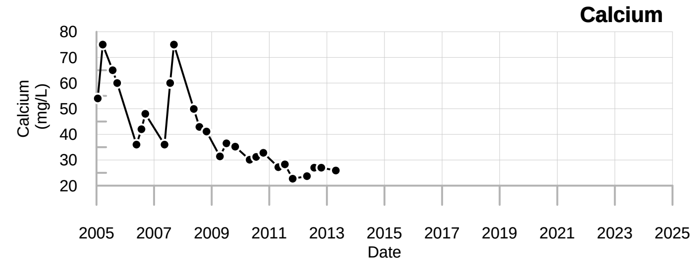
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

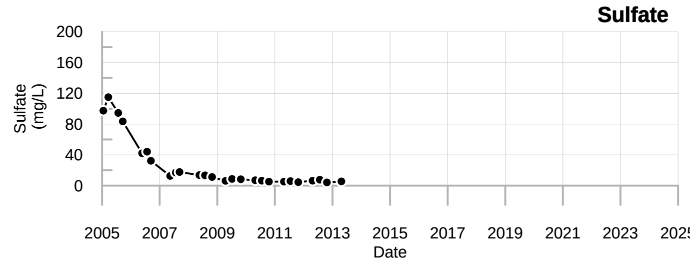


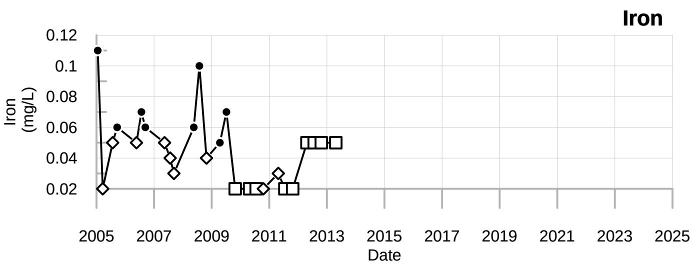


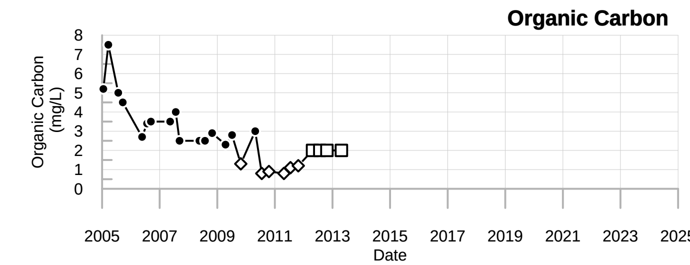


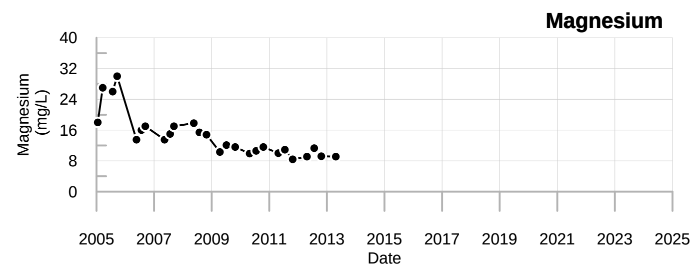


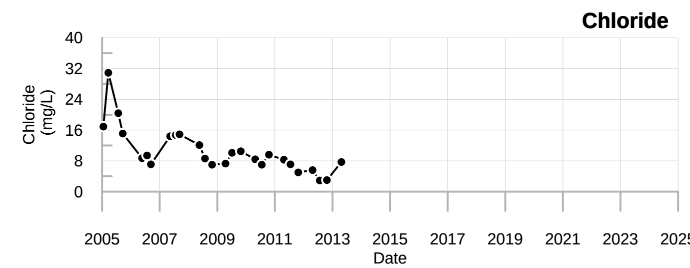


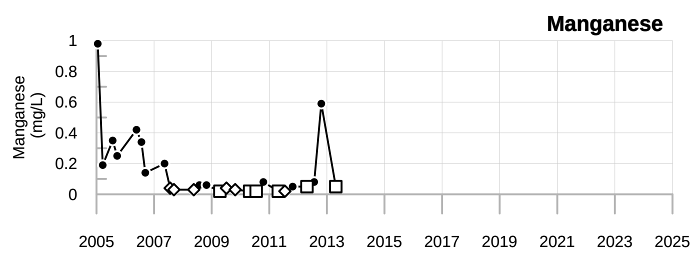


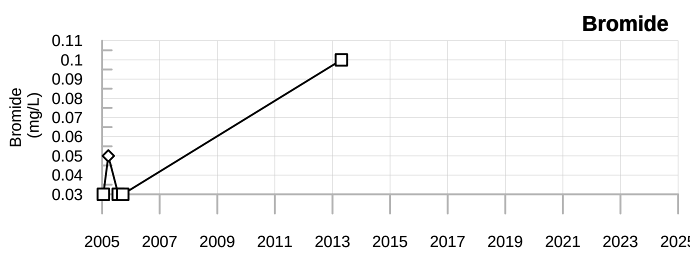












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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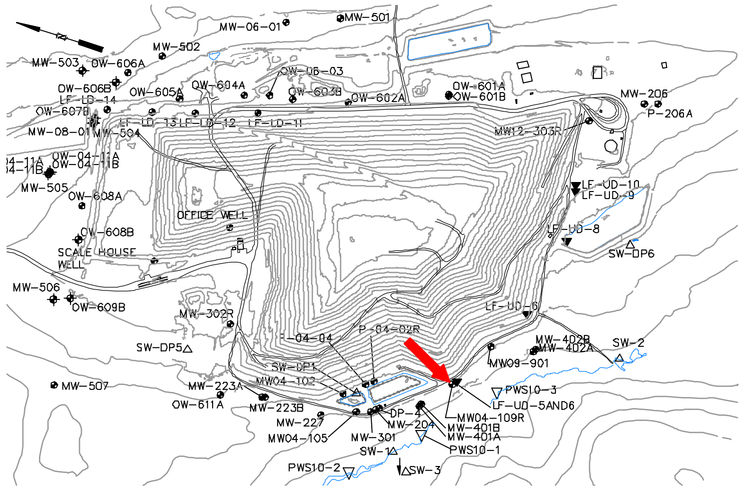
MW04-105
Juniper Ridge Landfill

MW04-109 & MW04-109R

Well Description

MW04-109R is located to the south of Cell #5 of the landfill and near Manhole #5. This well monitors water quality within the overburden downgradient of the landfill.



Screen Interval:	**15 ft. to 20 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**12/08/2009**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		357	376	336	237	to	662	420	±	11.000	57
pH (STU)		6.9	6.6	6.2	5.5	to	7.9	6.7	±	0.050	57
Temperature (Deg C)		9.4	19.6	13.7	4.7	to	21.9	13	±	0.610	57
Water Level Depth (Feet)		5.9	6.5	7.8	5.67	to	11.72	7.7	±	0.230	57
Water Level Elevation (Feet)		154.23	153.63	152.33	151.51	to	155.07	150	±	0.097	57
Water Level Reference Point (Feet)		160.13	160.13	160.13	160.13	to	164.59	160	±	0.260	58
Eh (mV)		262	209	232	-478	to	419	260	±	19.000	57
Dissolved Oxygen (mg/L)		2.6	0.8	0.5	0.1 U	to	4.3	1	±	0.110	57
Well Depth (Feet)				27.96	22.85	to	27.98	24	±	0.460	18
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001 U	to	0.033	0.0086	±	0.001	57
Calcium (mg/L)		51	52	41	32	to	81.2	58	±	1.300	57
Iron (mg/L)		0.05 U	↑0.13	0.058	0.02 U	to	0.11	0.045	±	0.002	57
Magnesium (mg/L)		11	9.9	9.4	9.4	to	25.4	13	±	0.410	57
Manganese (mg/L)		**0.39**	**5.6**	**4.1**	0.02	to	6	0.59	±	0.130	57
Potassium (mg/L)		1.9	↓1.6	2.3	1.7	to	5.4	2.1	±	0.070	57
Sodium (mg/L)		↓6	↓5.5	7.2	6.1	to	70	13	±	1.600	57
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.35	0.2	0.2 U	to	1 U	0.38	±	0.021	57
Nitrite/Nitrate - (N) (mg/L)		0.089	0.05 U	0.05 U	0.05 U	to	2 U	0.18	±	0.074	27
Total Dissolved Solids (mg/L)		212	232	218	194	to	650	270	±	8.900	57
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	4 U	3.5	±	0.096	57
Sulfate (mg/L)		6.3	5.3	6	2.2	to	55	10	±	1.400	57
Bicarbonate Alkalinity (CaCO3) (mg/L)		180	190	↓32	140	to	276	200	±	3.100	57
Organic Carbon (mg/L)		2.6	2.4	2.1	1.2	to	54	3.5	±	0.920	57
Chloride (mg/L)		2.8	2.5	2.8	1 U	to	92.8	9.2	±	1.900	57
Bromide (mg/L)		0.12	0.14	0.14	0.03 U	to	0.25	0.15	±	0.009	37
Turbidity (field) (NTU)		1	0.5	0.3	0	to	2.9	0.79	±	0.110	57

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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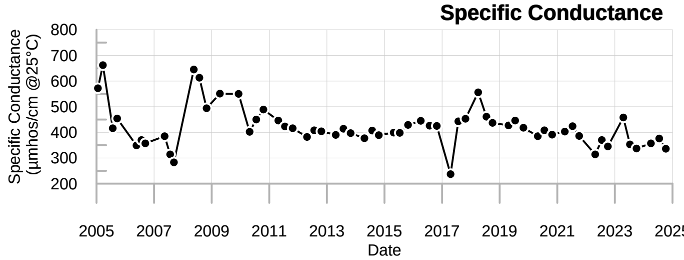

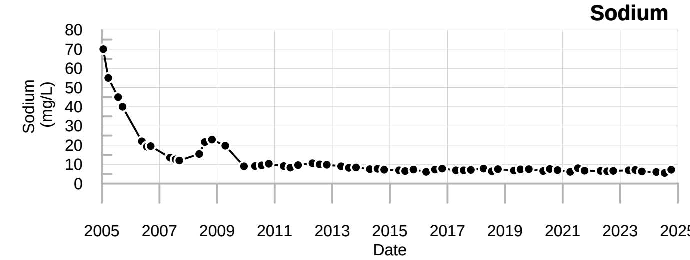

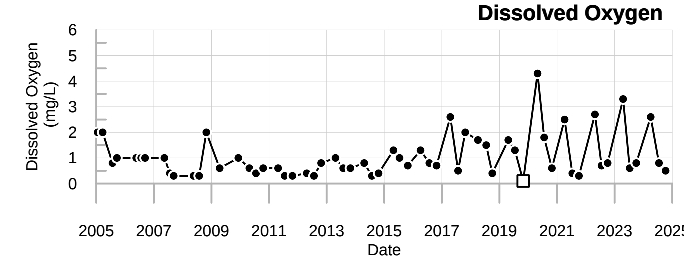

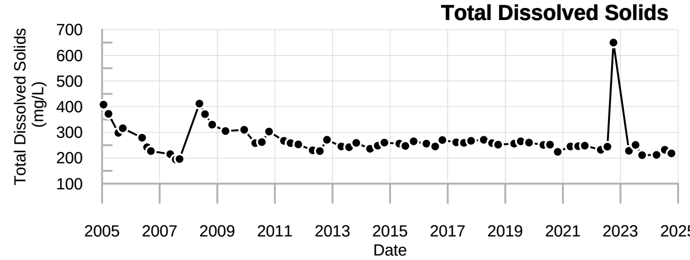

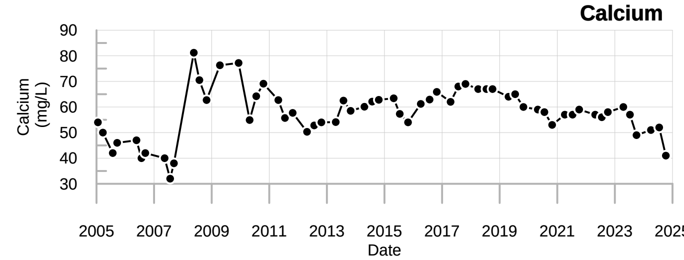

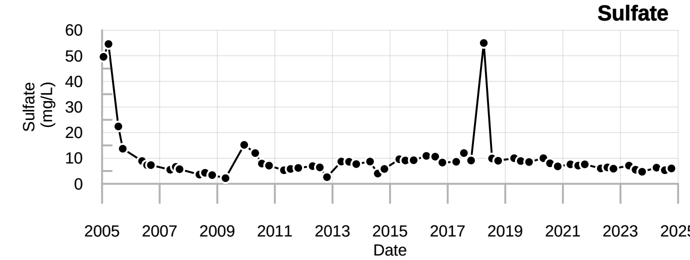

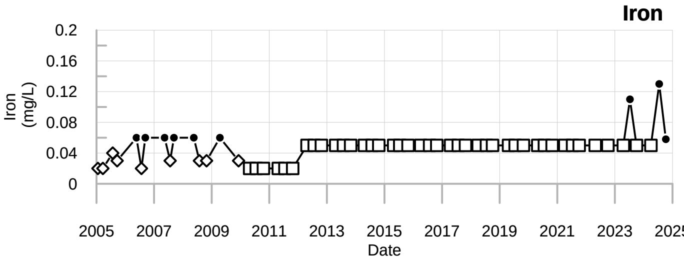

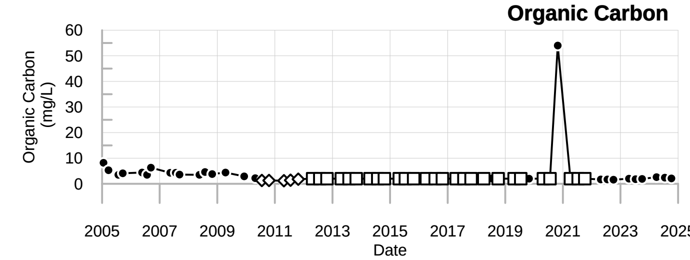

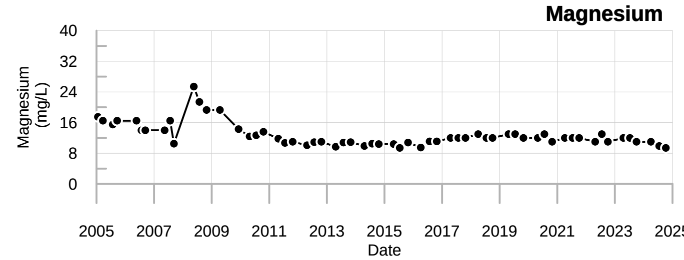

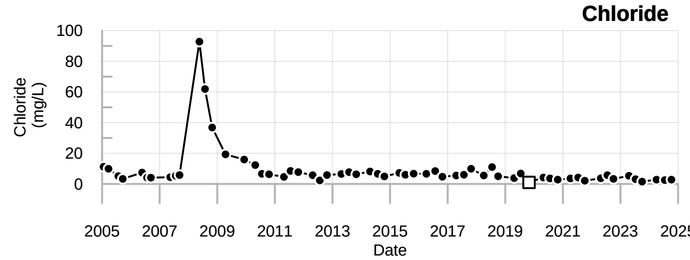

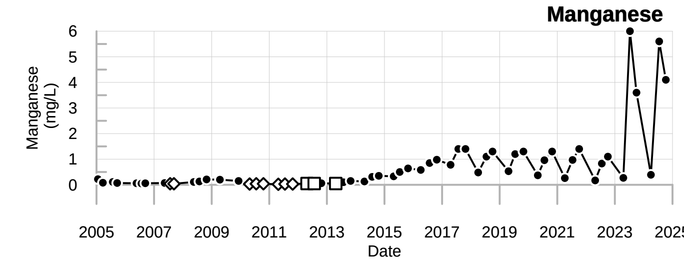

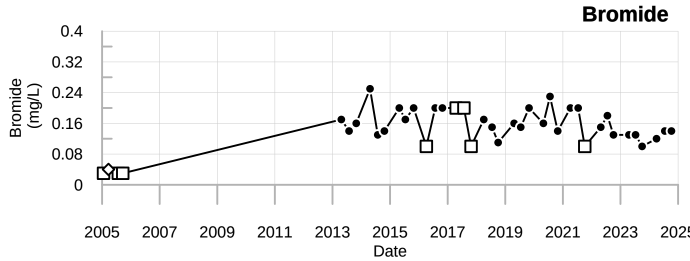

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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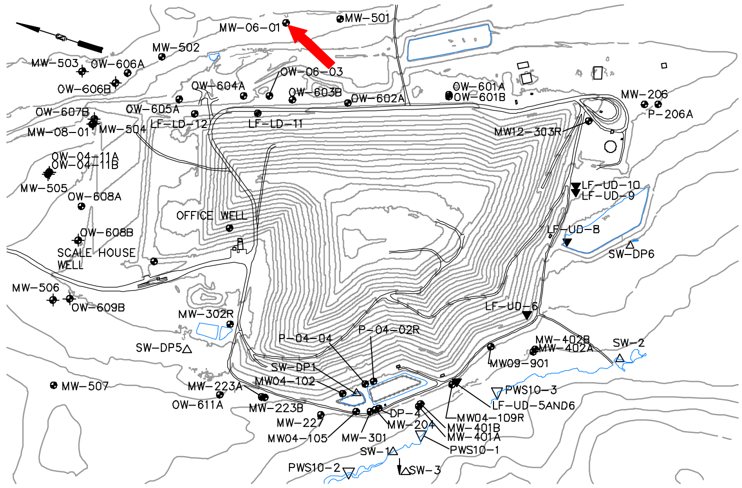
MW04-109 & MW04-109R

Juniper Ridge Landfill

Well Description

MW06-01 monitors overburden groundwater downgradient and east of the landfill expansion.



Screen Interval:	**10 ft. to 20 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**Apr-18**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		↑270	↑256	↑240	67	to	221	120	±	11.000	19
pH (STU)		6.1	6.6	6.5	6.1	to	8.1	7	±	0.140	19
Temperature (Deg C)		6.7	14.1	11.9	6.4	to	18.1	11	±	0.750	19
Water Level Depth (Feet)		F1	0.06	1.35	0.04	to	3.25	1.5	±	0.300	12
Water Level Elevation (Feet)			166.071	164.781	162.881	to	166.091	160	±	0.300	12
Water Level Reference Point (Feet)		166.131	166.131	166.131	166.131	to	166.131	170	±	0.000	17
Eh (mV)		429	381	473	219	to	508	380	±	16.000	19
Dissolved Oxygen (mg/L)		1.9	4.9	3.5	1.8	to	13	7.5	±	0.780	19
Well Depth (Feet)				22.13	22.13	to	22.14	22	±	0.002	5
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.005 U	0.005	±	0.000	19
Calcium (mg/L)		↑32	↑27	25	8.4	to	26	14	±	1.600	19
Copper (mg/L)		↑0.11	0.003 U	0.003 U	0.003 U	to	0.003 U	0.003	±	0.000	6
Iron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.66	0.082	±	0.032	19
Magnesium (mg/L)		↑8.3	↑7.7	7.6	2.4	to	7.6	4.1	±	0.440	19
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	19
Potassium (mg/L)		0.81	0.77	0.78	0.4	to	1.7	0.65	±	0.071	19
Sodium (mg/L)		5	5	5.1	2.5	to	5.9	3.6	±	0.230	19
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	5
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.25 U	0.23	±	0.006	19
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	±	0.000	5
Nitrite/Nitrate - (N) (mg/L)		0.14	0.16	0.2	0.05 U	to	0.34	0.18	±	0.018	19
Total Dissolved Solids (mg/L)		↑182	141	↑146	50	to	142	89	±	7.500	19
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	4 U	2.6	±	0.079	19
Sulfate (mg/L)		4.4	3.7	3.3	2 U	to	9.2	3	±	0.350	19
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	5
Alkalinity (CaCO3) (mg/L)		↑110	↑89	↑98	31	to	84	53	±	8.400	8
Organic Carbon (mg/L)		2	2.9	1 U	1 U	to	4.9	1.8	±	0.200	19
Chloride (mg/L)		12	12	12	1.3	to	13	8.9	±	0.750	19
Bromide (mg/L)		↑0.59	0.23	0.19	0.1 U	to	0.24	0.13	±	0.011	19
Turbidity (field) (NTU)		0.1	0.3	0.2	0.1	to	3.5	0.67	±	0.240	19
Methane (ug/L)		↑2100	↑340	↑270	20 U	to	230	110	±	45.000	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

F1 = Well was flowing

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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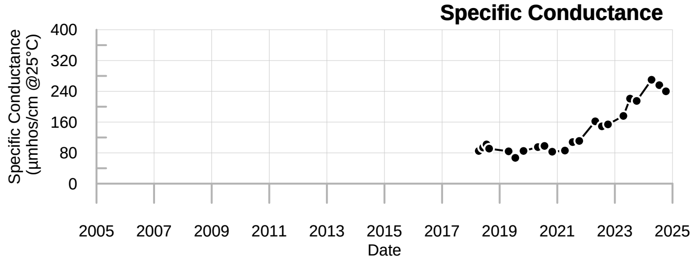

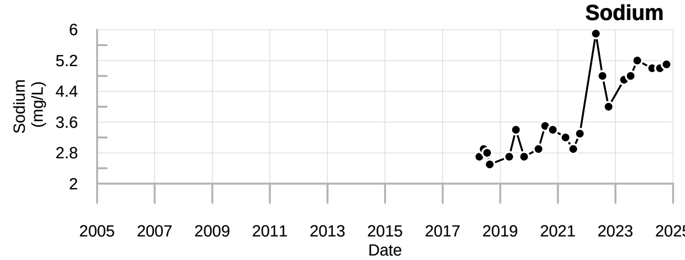

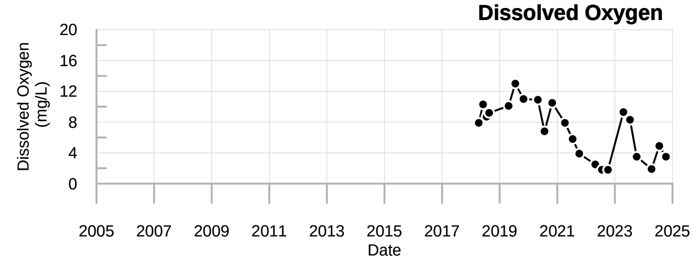

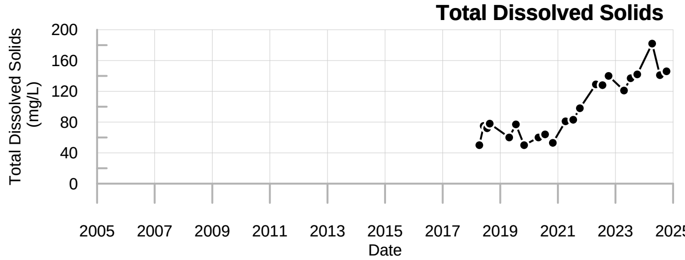

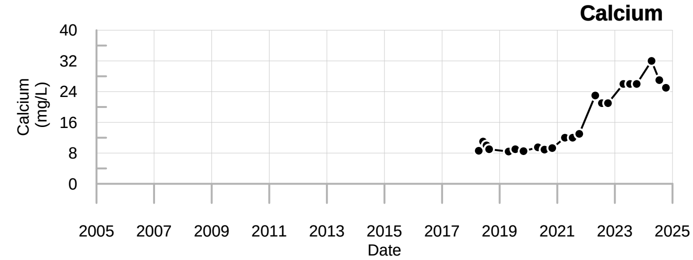

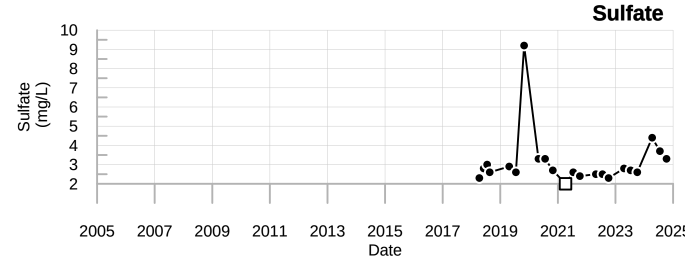

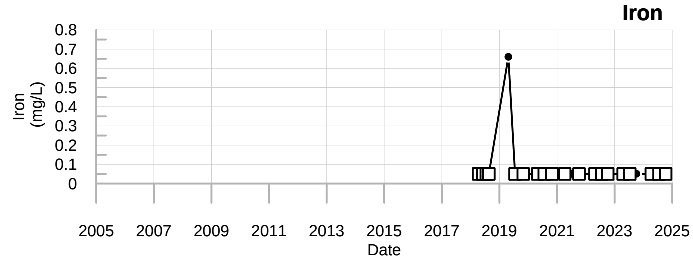

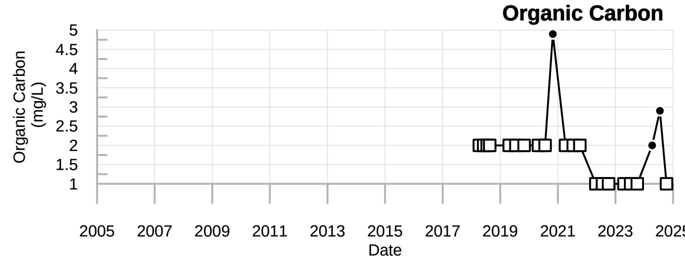

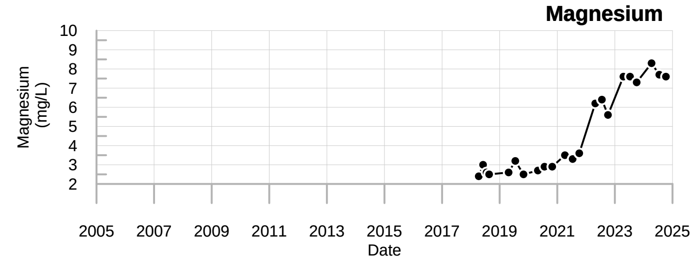

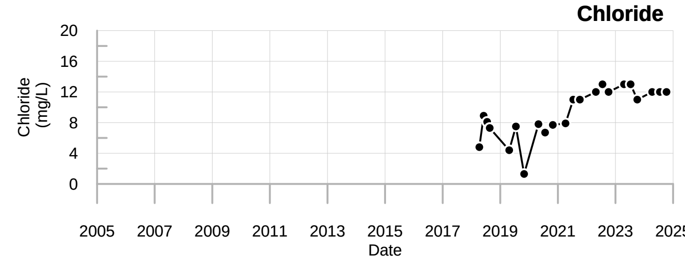

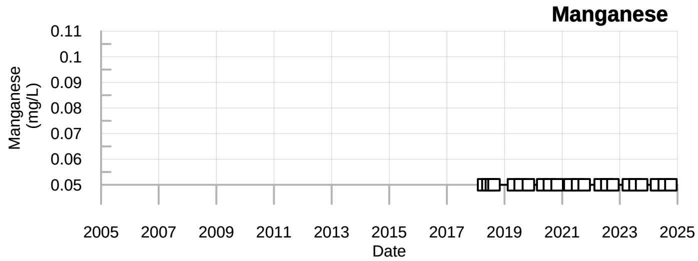

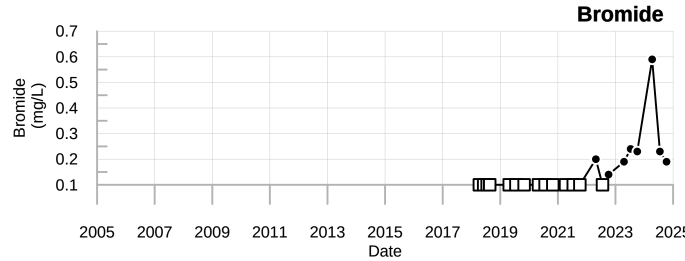

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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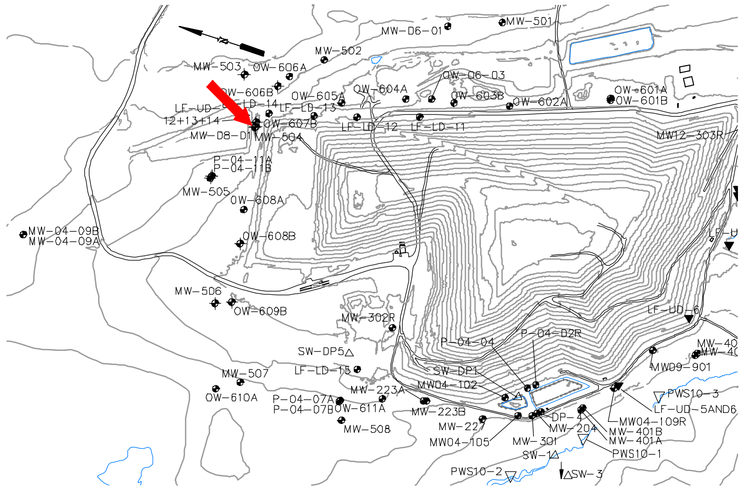
MW06-01

Juniper Ridge Landfill

Well Description

MW-08-01 monitors bedrock groundwater downgradient of and north of the landfill expansion.



Screen Interval:	**117 ft. to 127 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**2/9/2021**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		221	221	226	183	to	318	220	±	12.000	11
pH (STU)		↓7	7.9	7.2	7.1	to	8.4	7.7	±	0.130	11
Temperature (Deg C)		7.5	16.2	10.5	5.7	to	17.4	11	±	1.000	11
Water Level Depth (Feet)		22.14	22.3	↑22.72	14.68	to	22.45	19	±	1.200	11
Water Level Elevation (Feet)		160.437	160.277	↓159.857	160.127	to	161.33	160	±	0.140	11
Water Level Reference Point (Feet)		182.577	182.577	182.577	176.01	to	182.577	180	±	1.000	11
Eh (mV)		↑457	229	↑470	120	to	343	210	±	24.000	11
Dissolved Oxygen (mg/L)		4.3	2.2	2.5	0.9	to	4.5	1.9	±	0.290	11
Well Depth (Feet)				↑132.96	127.89	to	127.89	130	±	0.000	2
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.0078	0.0053	±	0.000	11
Calcium (mg/L)		23	23	21	11	to	24	18	±	1.500	11
Copper (mg/L)		↑0.045	0.0032	0.003 U	0.003 U	to	0.005	0.0032	±	0.000	11
Iron (mg/L)		0.05 U	0.06	0.05 U	0.05 U	to	0.4	0.15	±	0.045	11
Magnesium (mg/L)		5	↑5.6	5.1	2.8	to	5.4	3.9	±	0.300	11
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	11
Potassium (mg/L)		1.5	1.7	1.4	1.1	to	2.7	1.6	±	0.160	11
Sodium (mg/L)		↓14	18	↓13	15	to	35	24	±	2.100	11
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	11
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.5 U	0.26	±	0.029	11
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	±	0.000	11
Nitrite/Nitrate - (N) (mg/L)		0.16	0.12	0.15	0.05 U	to	1.3	0.26	±	0.110	11
Total Dissolved Solids (mg/L)		145	131	129	126	to	179	140	±	4.600	11
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	31	6.8	±	2.600	11
Sulfate (mg/L)		15	14	14	12	to	19	15	±	0.750	11
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.3 U	0.12	±	0.018	11
Alkalinity (CaCO3) (mg/L)		94	90	89	86	to	98	92	±	1.100	11
Organic Carbon (mg/L)		1 U	1 U	1 U	1 U	to	2 U	1.5	±	0.160	11
Chloride (mg/L)		5.1	4.3	3.8	2.9	to	7.3	5.1	±	0.400	11
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	11
Turbidity (field) (NTU)		↓0.4	1	0.5	0.5	to	13	4.3	±	1.100	11
Methane (ug/L)		↓5.2 U	↓5.2 U	↓5.2 U	20 U	to	20 U	20	±	0.000	11

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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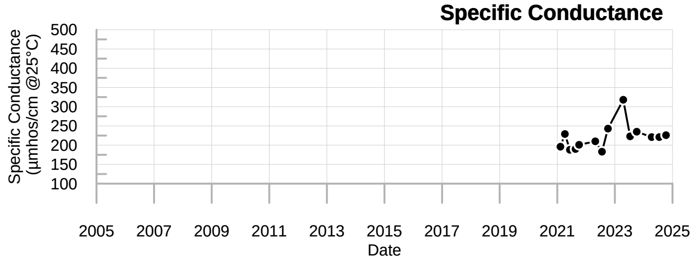

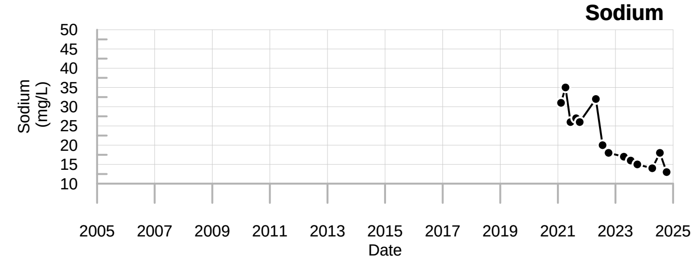

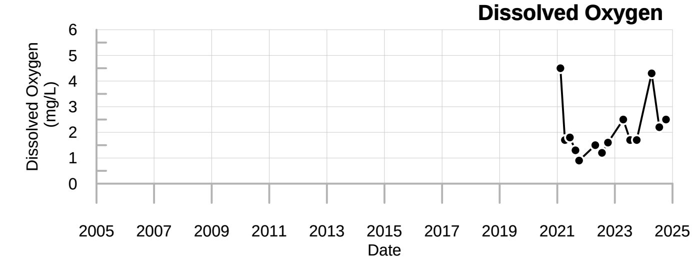

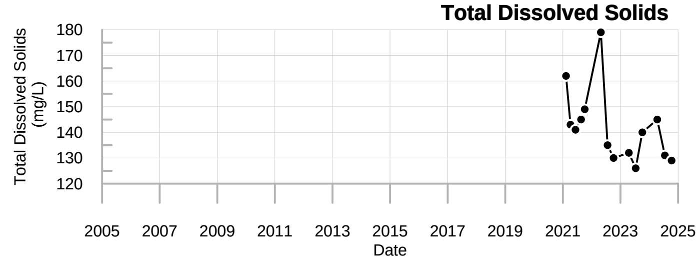

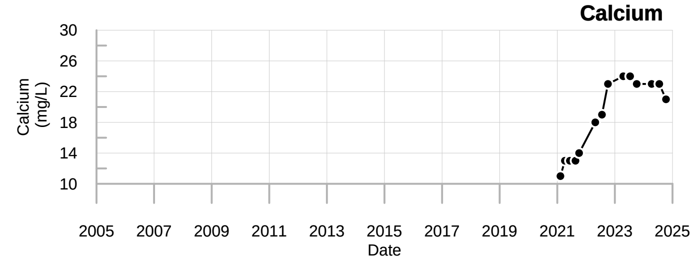

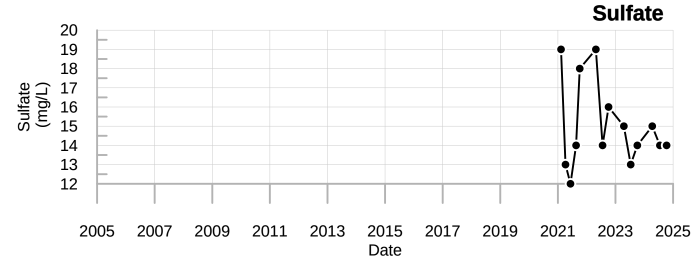

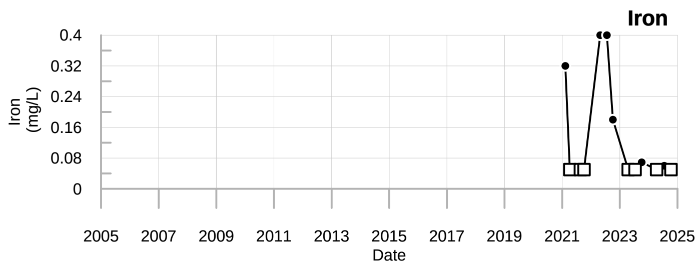

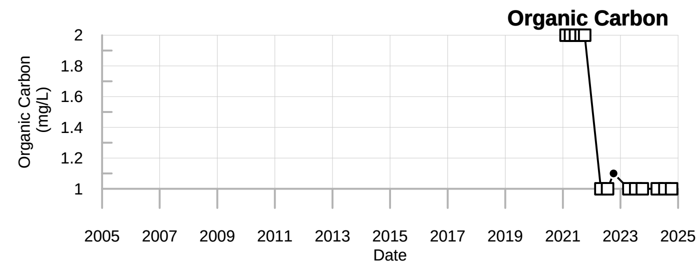

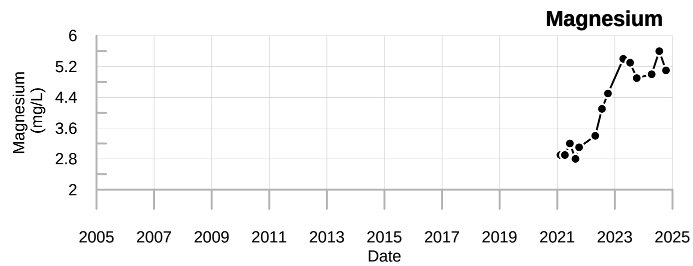

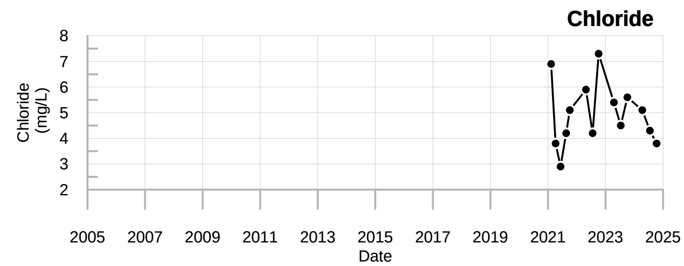

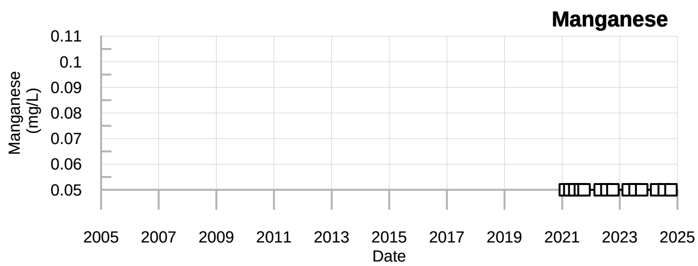

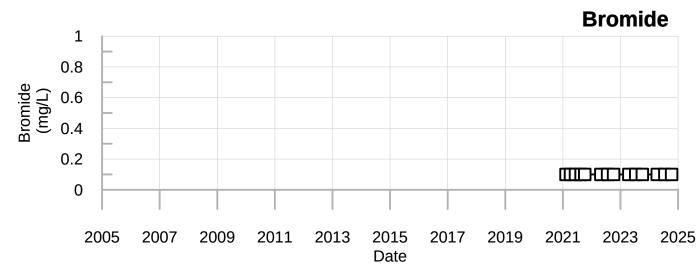

LEGEND

☐ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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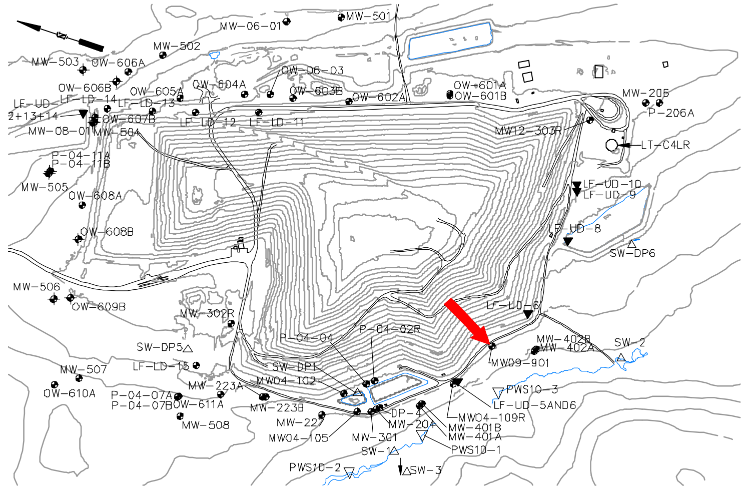
MW-08-01
Juniper Ridge Landfill

Well Description

MW09-901 is located to the south of Cell #5 and detention pond #2 of the landfill. This well monitors water quality within the overburden downgradient of the landfill.



Screen Interval:	**15 ft. to 20 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**12/08/2009**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		351	339	310	178	to	487	310	±	12.000	43
pH (STU)		6.8	6.3	↓6.1	6.2	to	8.4	7.2	±	0.095	43
Temperature (Deg C)		8.6	16.9	13.9	4.6	to	20.4	13	±	0.590	43
Water Level Depth (Feet)		↓5.4	7	10.05	5.7	to	11.92	8.7	±	0.250	43
Water Level Elevation (Feet)		↑159.7	158.1	155.05	153.18	to	159.4	160	±	0.250	43
Water Level Reference Point (Feet)		165.1	165.1	165.1	165.1	to	165.1	170	±	0.000	43
Eh (mV)		280	316	295	20	to	464	310	±	13.000	43
Dissolved Oxygen (mg/L)		2.5	0.2	0.5	0.1 U	to	5.4	2.1	±	0.250	43
Well Depth (Feet)				22.77	22.73	to	22.82	23	±	0.008	14
Arsenic (mg/L)		0.005 U	0.005 U	↑**<u>0.17</u>**	0.002 U	to	0.019	0.007	±	0.001	43
Calcium (mg/L)		42	45	34	18.8	to	58	37	±	1.800	43
Iron (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.18	0.05	±	0.003	43
Magnesium (mg/L)		12	12	9.9	5.4	to	17	10	±	0.500	43
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.39	0.063	±	0.009	43
Potassium (mg/L)		1.5	1.4	1.4	1	to	2.6	2	±	0.059	43
Sodium (mg/L)		8.2	8.3	7.4	4.9	to	17.4	9.3	±	0.420	43
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	1.5	0.36	±	0.032	43
Nitrite/Nitrate - (N) (mg/L)		0.2	0.05 U	0.05 U	0.05 U	to	2 U	0.3	±	0.077	27
Total Dissolved Solids (mg/L)		210	207	197	103	to	270	180	±	7.400	43
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	4	3.3	±	0.120	43
Sulfate (mg/L)		12	11	13	4.6	to	47	12	±	0.960	43
Bicarbonate Alkalinity (CaCO3) (mg/L)		170	160	↓33	75	to	180	140	±	5.800	43
Organic Carbon (mg/L)		2	1.4	1.3	0.7 U	to	39	2.7	±	0.870	43
Chloride (mg/L)		7.6	6.7	5	1 U	to	14	5.1	±	0.510	43
Bromide (mg/L)		0.24	0.21	0.24	0.1 U	to	0.32	0.18	±	0.013	33
Turbidity (field) (NTU)		2.8	1.4	0.4	0	to	10.1	1.7	±	0.250	43

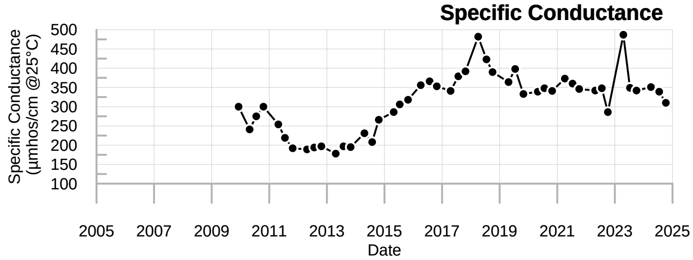
<u>underlined/bold</u> - values exceed a regulatory standard listed below.

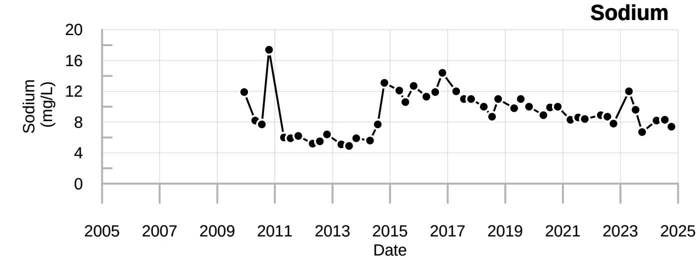
Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

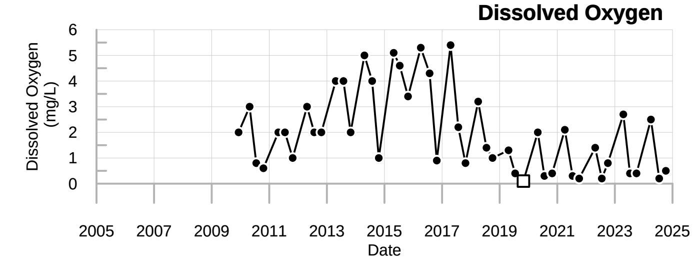
Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

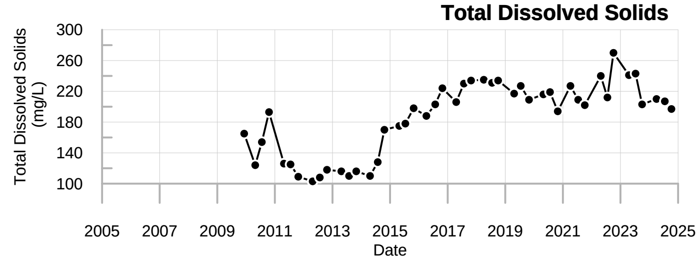
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

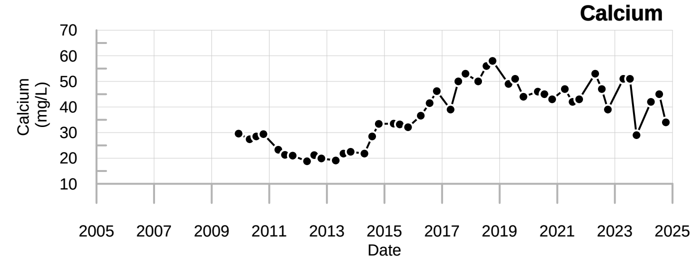
Comments

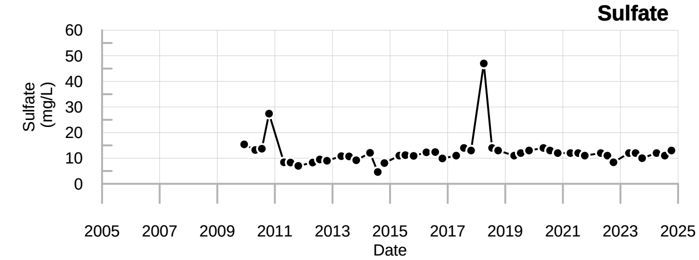


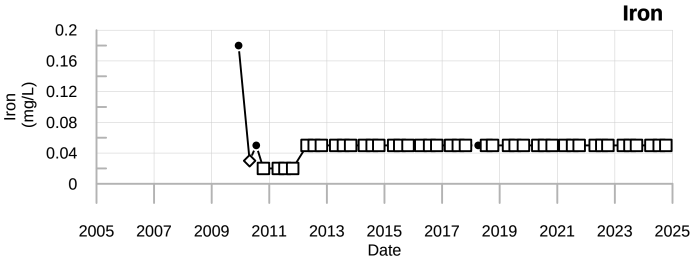


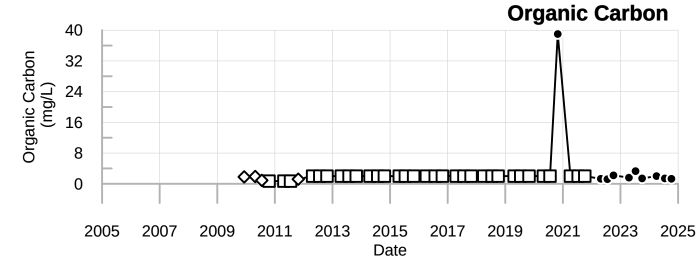


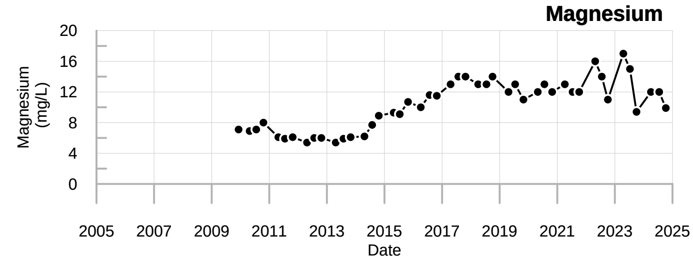


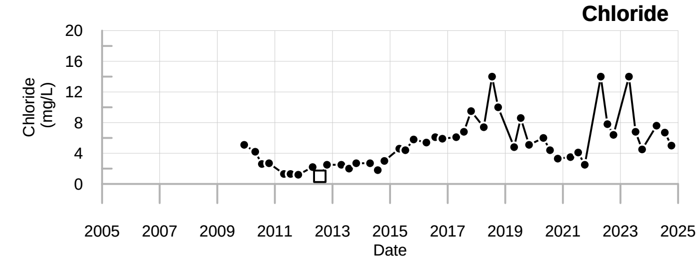


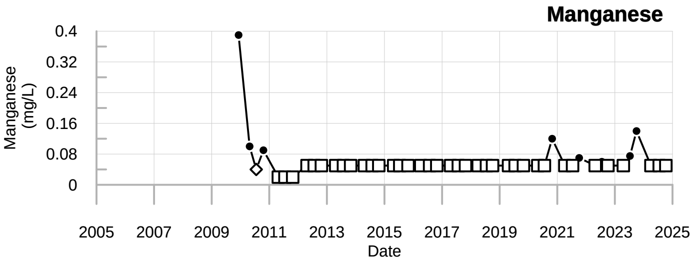


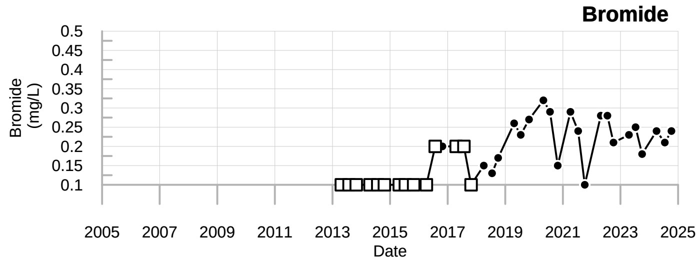












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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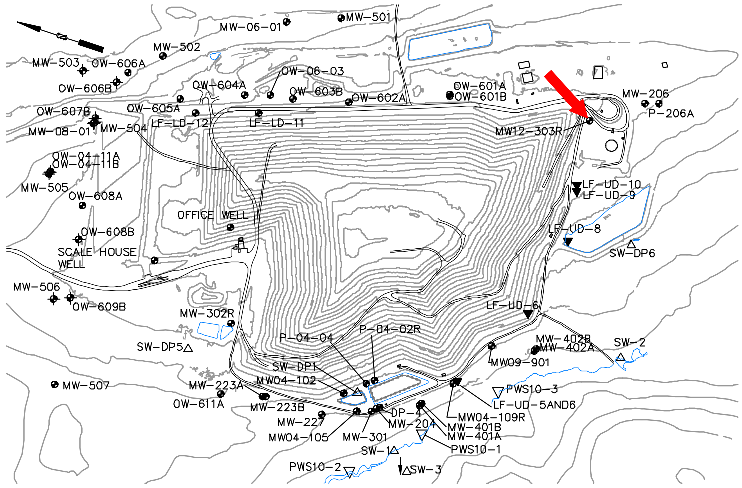
MW09-901
Juniper Ridge Landfill

Well Description

MW12-303R was installed in September 2012 to replace MW-303. MW12-303R monitors the background water quality at the site upgradient of the landfill.



Screen Interval:	**30.4 ft. to 40.4 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**10/23/12**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		125	246	298	33	to	1711	230	±	27.000	88
pH (STU)		6.5	6	6.3	5.7	to	7.5	6.6	±	0.044	88
Temperature (Deg C)		9.1	↑19.9	12.8	5.3	to	17.5	10	±	0.310	88
Water Level Depth (Feet)		28	29.1	31.5	19.75	to	33.4	27	±	0.370	85
Water Level Elevation (Feet)		180.89	179.79	177.39	175.49	to	188.12	180	±	0.340	85
Water Level Reference Point (Feet)		208.89	208.89	208.89	207.87	to	208.89	210	±	0.054	86
Eh (mV)		306	374	318	1	to	497	290	±	13.000	71
Dissolved Oxygen (mg/L)		8.4	5.5	2.1	0.2	to	12.7	5.3	±	0.430	87
Well Depth (Feet)				43.35	43.32	to	46.93	45	±	0.400	19
Arsenic (mg/L)		0.005 U	0.005 U	0.005	0.001 U	to	0.036	0.0061	±	0.001	60
Calcium (mg/L)		15	31	36	2.8	to	160	24	±	2.700	83
Iron (mg/L)		1.4	1.1	0.99	0.018	to	2.29	0.14	±	0.031	88
Magnesium (mg/L)		4	7.1	11	0.61	to	22	5.9	±	0.490	83
Manganese (mg/L)		0.22	0.28	<u>**0.36**</u>	0.01 U	to	3.13	0.12	±	0.039	88
Potassium (mg/L)		1.4	1.8	1.4	0.2	to	5.7	1.8	±	0.170	60
Sodium (mg/L)		5.4	9.4	7.8	1.9	to	110	14	±	1.900	88
Total Kjeldahl Nitrogen (mg/L)		0.24	0.54	0.28	0.15 U	to	2	0.52	±	0.045	60
Nitrite/Nitrate - (N) (mg/L)		0.91	2.1	0.53	0.05 U	to	12	1.5	±	0.460	28
Total Dissolved Solids (mg/L)		109	169	192	11	to	1016	150	±	16.000	88
Total Suspended Solids (mg/L)		21	19	19	2.5 U	to	130	7.9	±	2.200	60
Sulfate (mg/L)		13	24	27	0.8	to	430	13	±	4.900	88
Bicarbonate Alkalinity (CaCO3) (mg/L)		43	91	130	22	to	162	88	±	5.300	60
Organic Carbon (mg/L)		3.7	4.6	1.5	0.5 U	to	34	2.7	±	0.450	88
Chloride (mg/L)		2.9	4.6	7.8	1 U	to	220	20	±	3.400	88
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.03 U	to	2.4	0.26	±	0.067	35
Turbidity (field) (NTU)		22.7	19.8	19.4	0	to	999	21	±	12.000	85

<u>**underlined/bold**</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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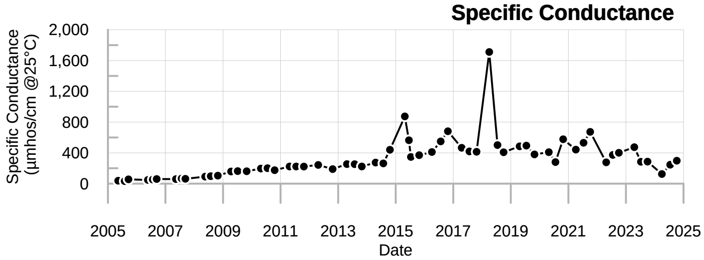
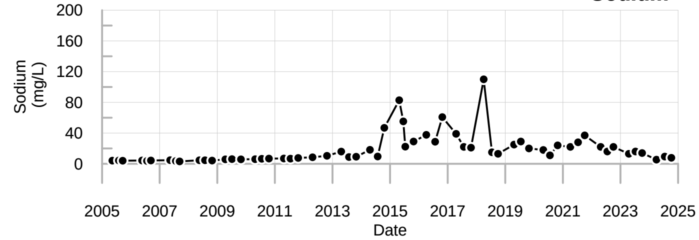
MW-303 & MW12-303R

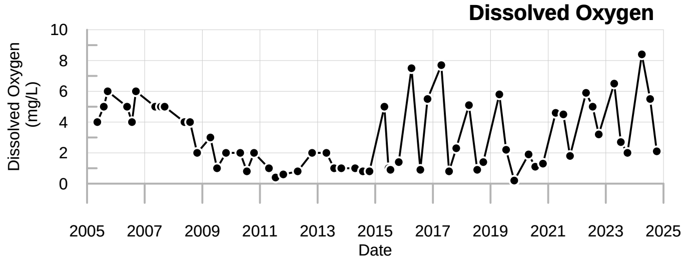
Specific Conductance



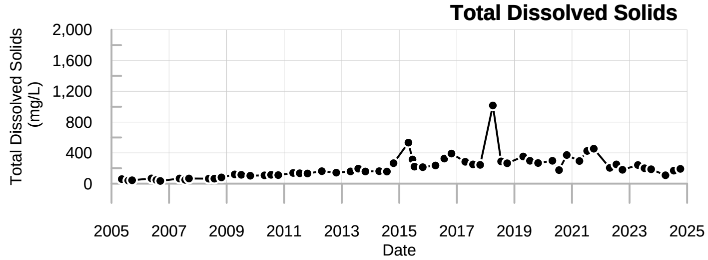
Sodium



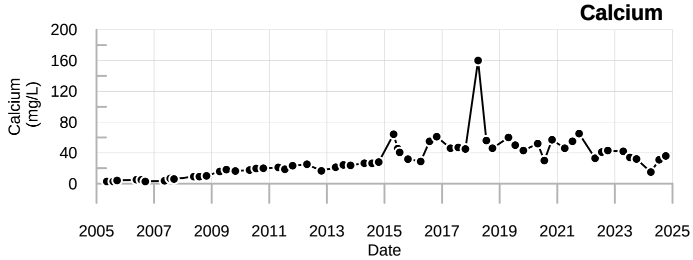
Dissolved Oxygen



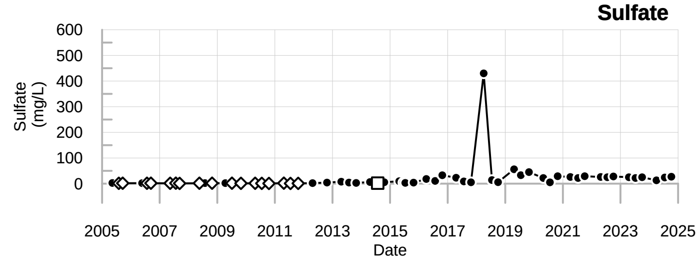
Total Dissolved Solids



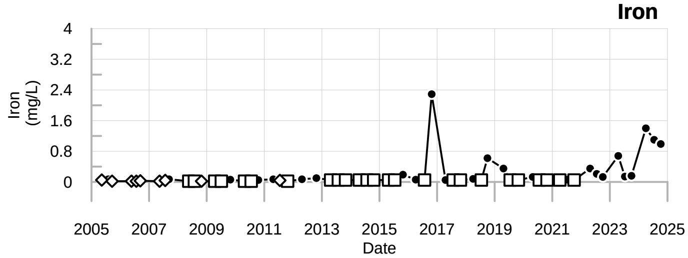
Calcium



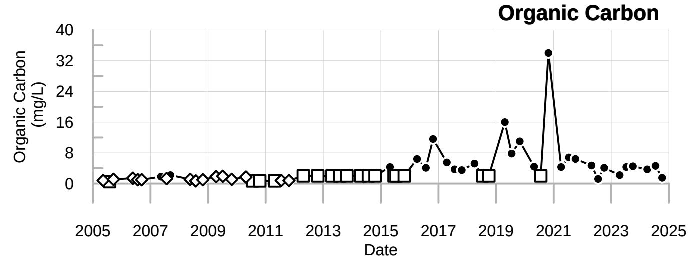
Sulfate



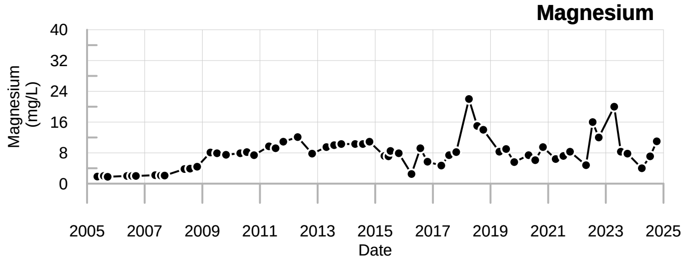
Iron



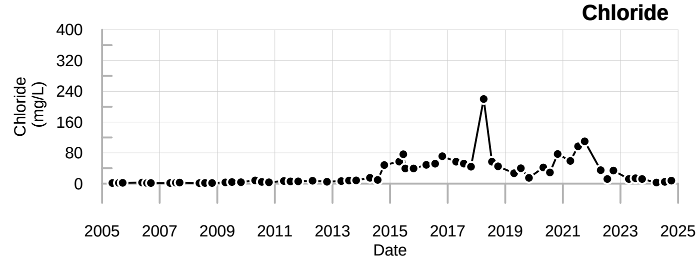
Organic Carbon



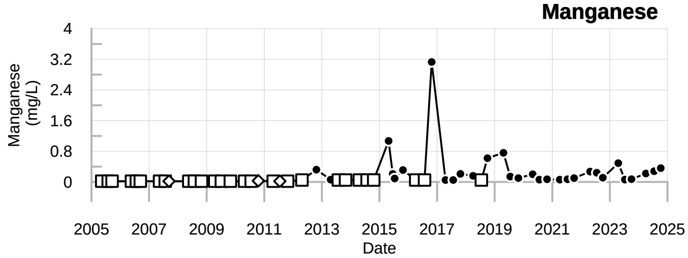
Magnesium



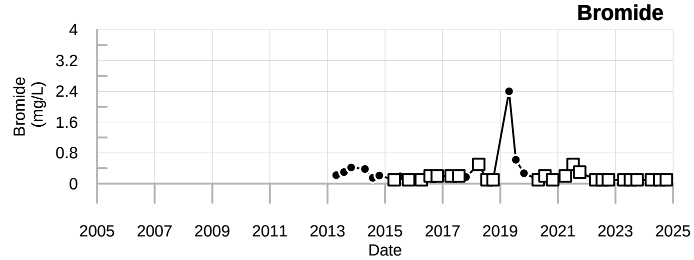
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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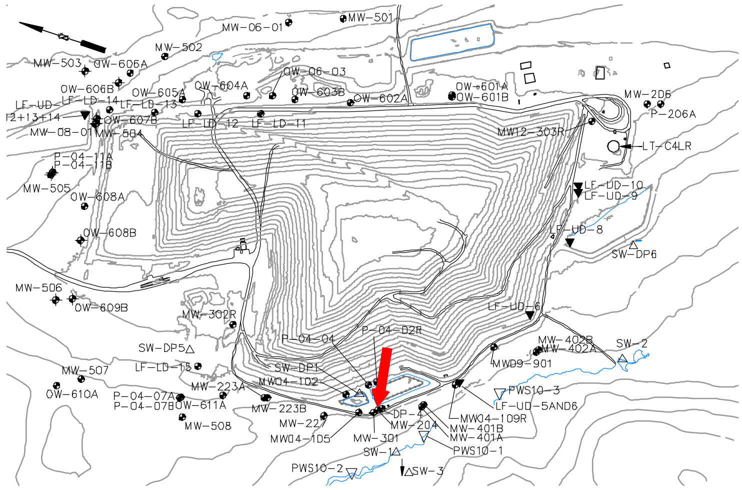
MW-303 & MW12-303R
Juniper Ridge Landfill

Well Description

MW-204 monitors the overburden water quality downgradient from the landfill.



Screen Interval:	**13.8 ft. to 18.8 ft.**
Sampled:	**1 Time Annually(field parameters only)**
Sampled Since:	**11/13/90**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

	2024				Historical (11/1/1990 - 12/31/2023)					
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean ±	SE	n
Specific Conductance (µmhos/cm @25°C)				252	100	to	357	200 ±	6.100	88
pH (STU)				6.3	5.7	to	9.2	6.7 ±	0.059	88
Temperature (Deg C)				12.7	-1	to	18	10 ±	0.370	88
Water Level Depth (Feet)				11.5	3.25	to	14.22	8.7 ±	0.210	85
Water Level Elevation (Feet)				154.68	150.53	to	161.5	160 ±	0.210	85
Water Level Reference Point (Feet)				↑166.18	164.75	to	164.75	160 ±	0.000	86
Eh (mV)				305	35.2	to	491	280 ±	14.000	50
Dissolved Oxygen (mg/L)				0.4	0.3	to	5.2	1.5 ±	0.130	66
Well Depth (Feet)				↑25.7	24.4	to	24.49	24 ±	0.006	19
Turbidity (field) (NTU)				3.7	0	to	31	2.7 ±	0.680	65

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

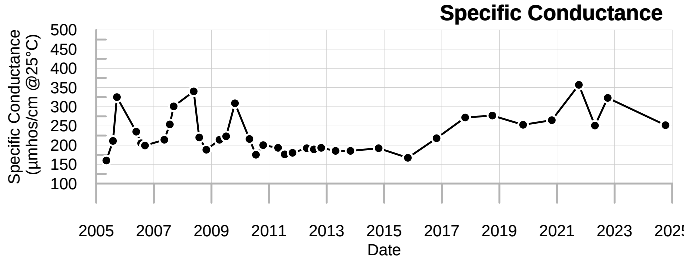
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

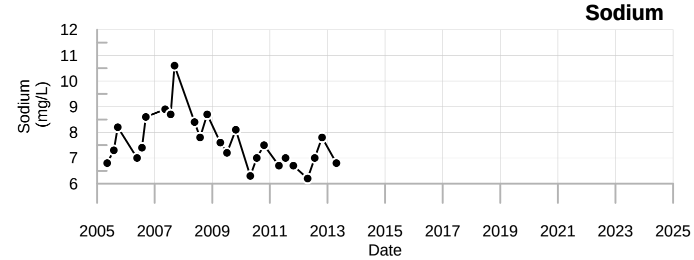
Comments

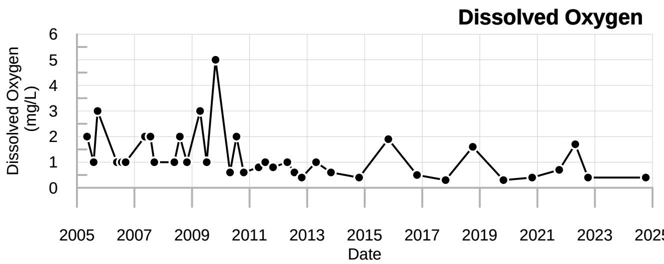
Q4= 10 - 2024

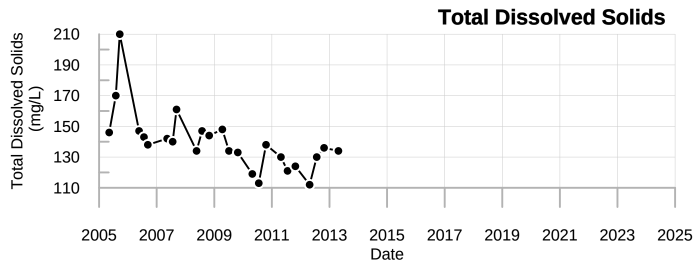
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

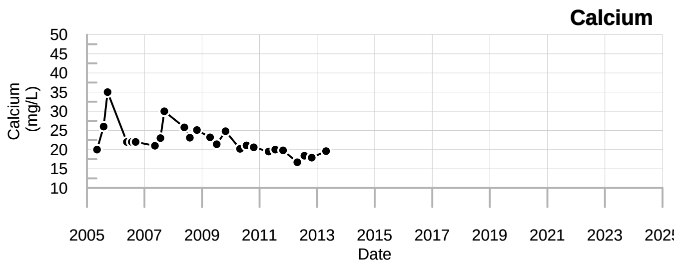
MW-204

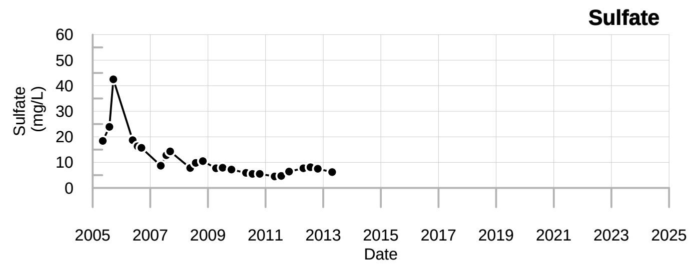


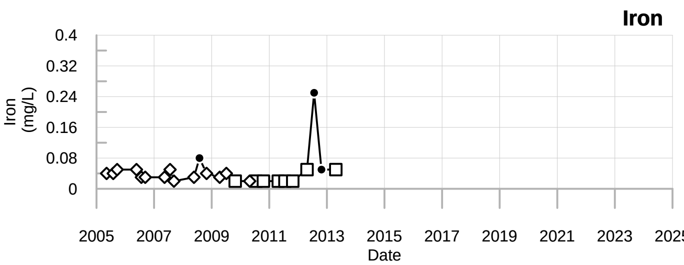


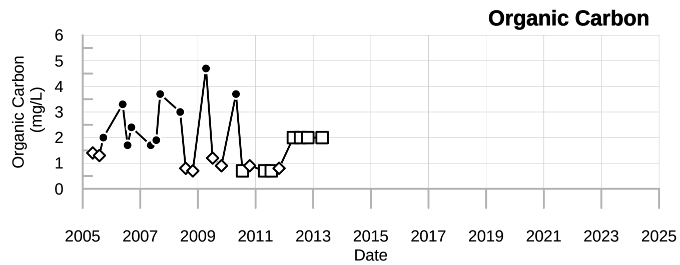


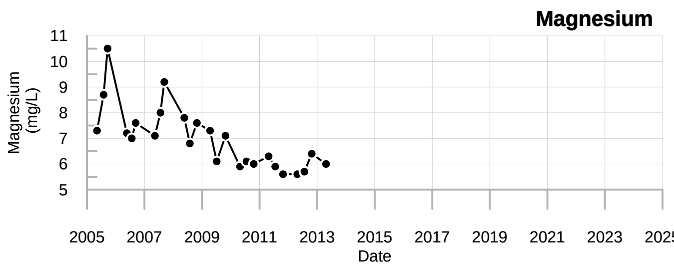


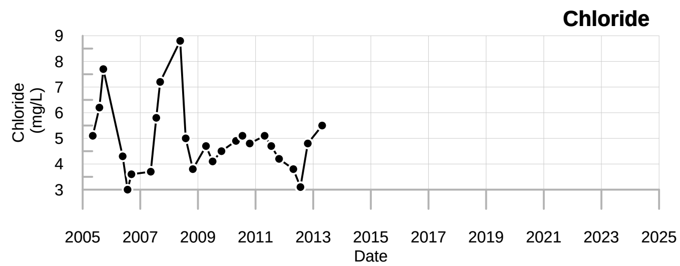


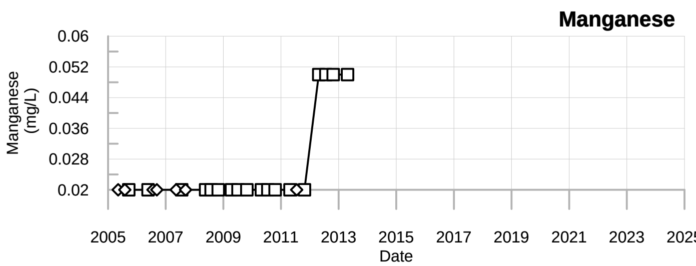


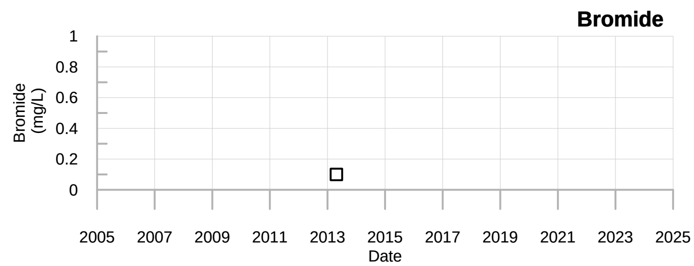












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

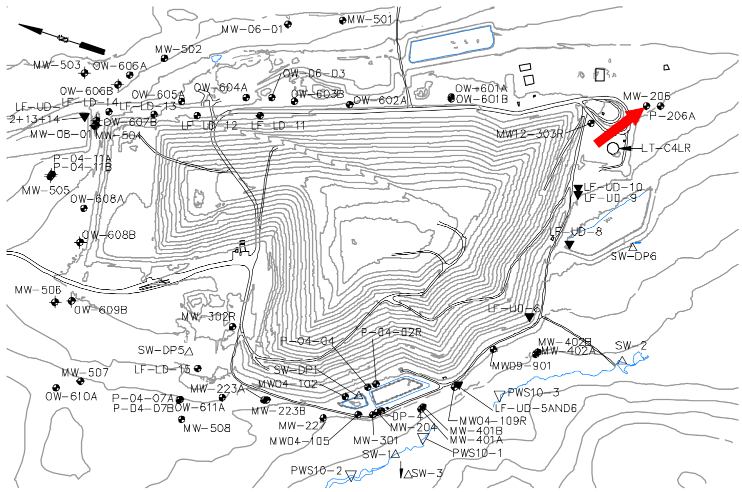
SME
SEVEE & MAHER ENGINEERS

MW-204
Juniper Ridge Landfill

Sevee & Maher Engineers, Inc.

Well Description

MW-206 monitors overburden water quality upgradient of the landfill.



Screen Interval: **15 ft. to 20 ft.**

Sampled: **3 Times Annually**

Sampled Since: **04/27/93**

Material Screened: **Overburden**

Well Condition: **Good**

Sampling Method: **Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		137	141	135	89	to	323	140	±	3.000	100
pH (STU)		7.8	8.3	7.7	6.2	to	8.6	7.9	±	0.048	100
Temperature (Deg C)		6.5	12	10.9	2.9	to	17.5	9.7	±	0.330	100
Water Level Depth (Feet)		4.6	5	9.37	3.08	to	18.57	7.3	±	0.340	97
Water Level Elevation (Feet)		200.07	199.67	195.3	186.1	to	201.59	200	±	0.340	97
Water Level Reference Point (Feet)		204.67	204.67	204.67	204.67	to	204.67	200	±	0.000	97
Eh (mV)		194	291	320	-334	to	464	250	±	14.000	71
Dissolved Oxygen (mg/L)		8.2	8.8	9.4	0.4	to	10.9	6.8	±	0.210	86
Well Depth (Feet)				23.13	23.02	to	23.15	23	±	0.009	18
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001	to	0.022	0.0071	±	0.000	60
Calcium (mg/L)		18	18	15	13	to	27.2	16	±	0.200	87
Copper (mg/L)		↑0.03	0.003 U	0.003 U	0.001 U	to	0.02 U	0.0051	±	0.001	38
Iron (mg/L)		0.05 U	0.28	0.05 U	0.012	to	1.2	0.14	±	0.021	93
Magnesium (mg/L)		4.9	4.9	4.5	2.7	to	6.9	4.7	±	0.058	87
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.003	to	0.32	0.037	±	0.004	93
Potassium (mg/L)		0.73	0.71	0.63	0.3	to	2.5	0.84	±	0.046	60
Sodium (mg/L)		4.7	4.5	3.8	3.7	to	25	5.4	±	0.230	93
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	8
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.15 U	to	2.4	0.52	±	0.063	65
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.07	to	2	0.3	±	0.055	41
Nitrite/Nitrate - (N) (mg/L)		0.083	0.05 U	0.085	0.05 U	to	2 U	0.24	±	0.071	27
Total Dissolved Solids (mg/L)		87	93	90	23	to	190	90	±	2.300	93
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	37	4.6	±	0.590	60
Sulfate (mg/L)		2.3	2	2 U	0.2	to	5 U	2.1	±	0.120	93
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	13
Alkalinity (CaCO3) (mg/L)		66	70	70	66	to	73	70	±	0.850	8
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to	9	1.7	±	0.140	93
Chloride (mg/L)		2.5	2.5	2.1	0.8	to	10 U	2.6	±	0.270	93
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	1.2	0.15	±	0.033	33
Turbidity (field) (NTU)		1	2.8	0.2	0	to	40	2.3	±	0.540	85
Methane (ug/L)		↓5.2 U	↓5.2 U	↓5.2 U	20 U	to	20 U	20	±	0.000	8

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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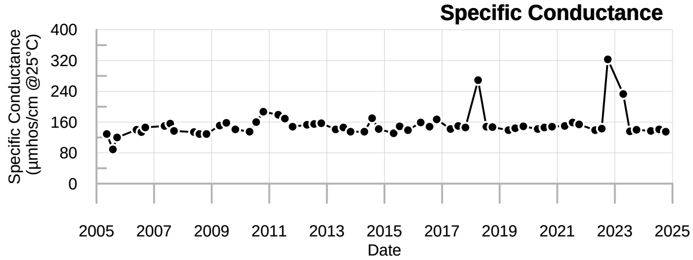
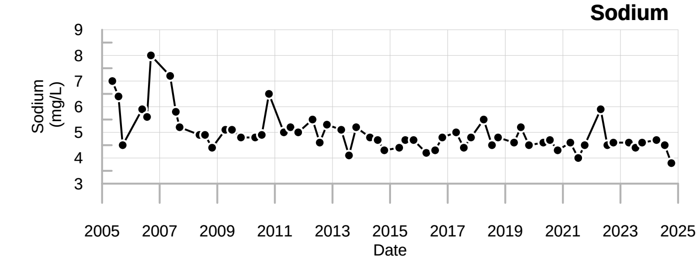
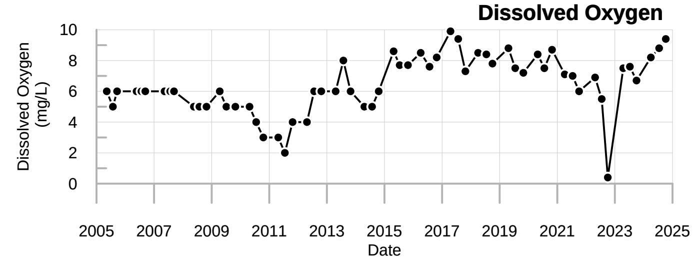
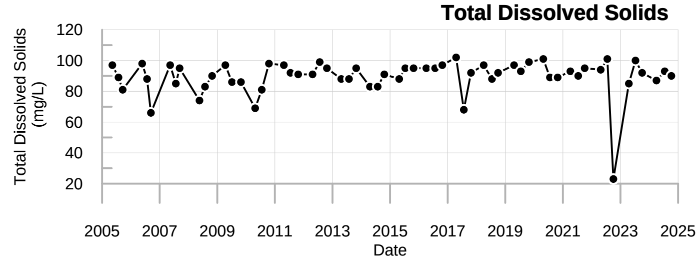
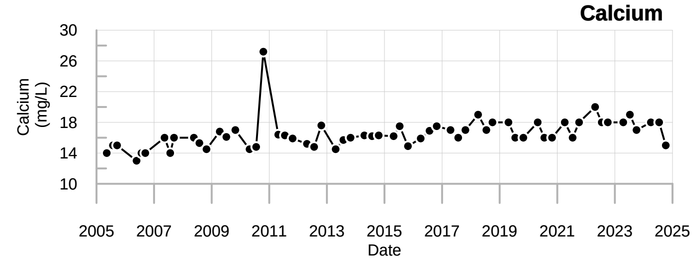
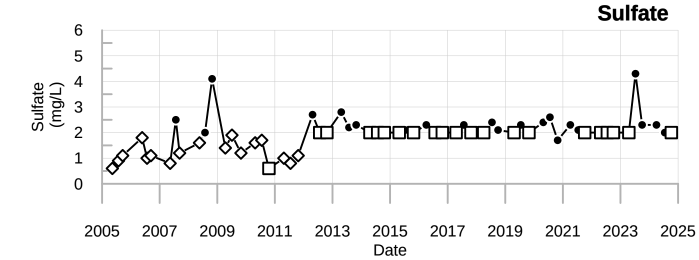


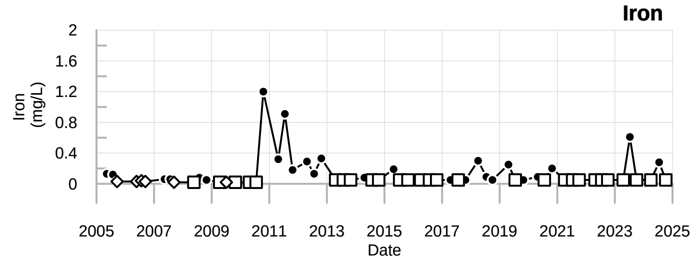


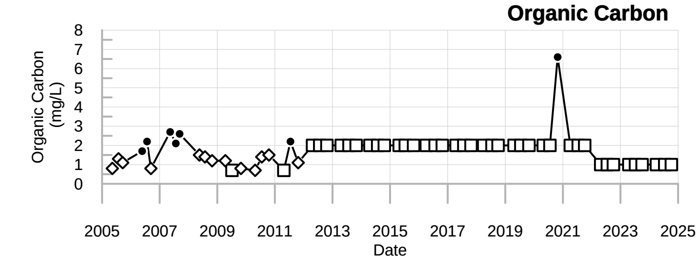


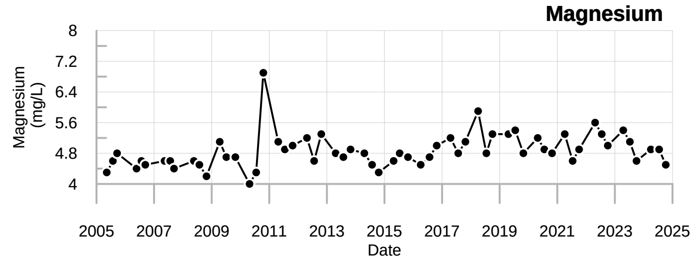


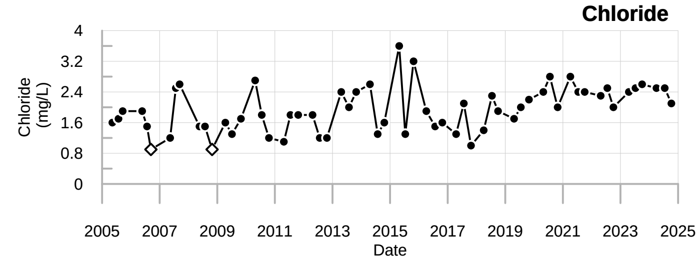


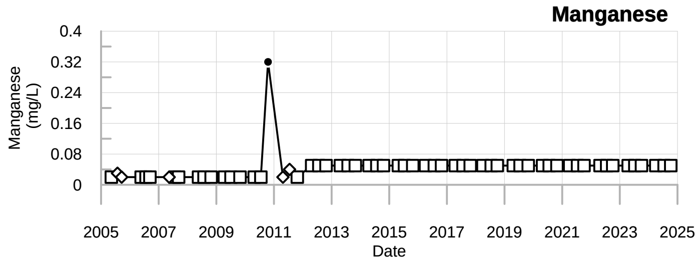


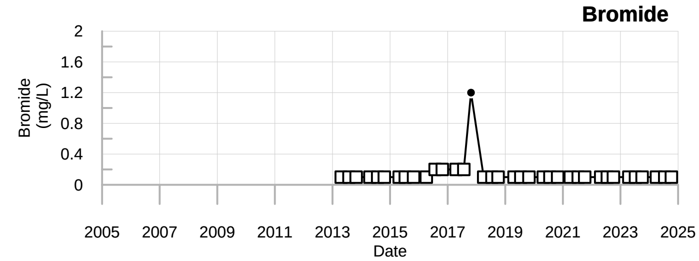












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

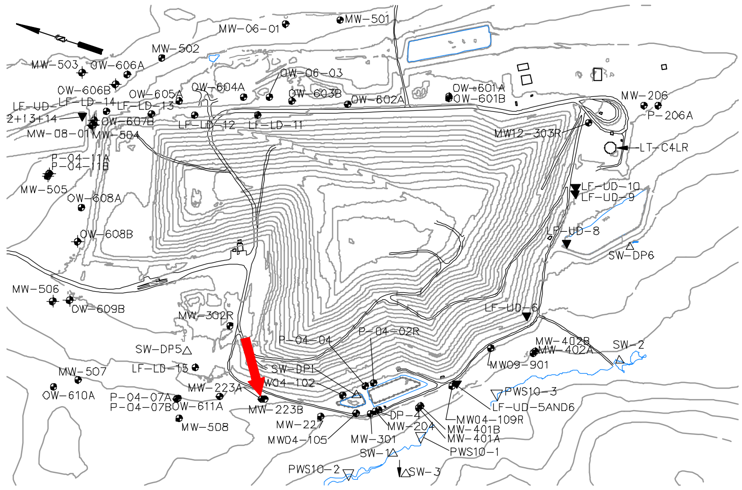
SME SEVEE & MAHER ENGINEERS

MW-206

Juniper Ridge Landfill

Well Description

MW-223A monitors the bedrock water quality downgradient of the landfill.



Screen Interval:	**28 ft. to 33 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**11/12/90**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

	2024				Historical (11/1/1990 - 12/31/2023)					
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		627	633	599	79	to	675	310	± 17.000	102
pH (STU)		7.5	7.3	6.9	6.1	to	8.4	7.4	± 0.033	102
Temperature (Deg C)		7.4	13.5	11.1	4.5	to	16.2	9.5	± 0.260	102
Water Level Depth (Feet)		3.5	4.4	6.65	0.14	to	6.71	1.9	± 0.130	99
Water Level Elevation (Feet)		173.04	172.14	169.89	169.83	to	176.4	170	± 0.130	99
Water Level Reference Point (Feet)		176.54	176.54	176.54	176.54	to	176.54	180	± 0.000	99
Eh (mV)		185	303	273	-345	to	445	270	± 14.000	71
Dissolved Oxygen (mg/L)		0.3	0.2	0.2	0.1 U	to	9.4	2.8	± 0.260	85
Well Depth (Feet)				35.62	35.42	to	35.65	36	± 0.014	20
Arsenic (mg/L)		0.005 U	0.005 U	**<u>0.033</u>**	0.001 U	to	0.034	0.0062	± 0.001	60
Calcium (mg/L)		110	110	91	23	to	120	54	± 3.200	90
Iron (mg/L)		0.05 U	0.05 U	0.05 U	0.005	to	120	1.3	± 1.300	94
Magnesium (mg/L)		11	12	9.7	2.3	to	12	6	± 0.340	90
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.001	to	4	0.072	± 0.042	94
Potassium (mg/L)		1	0.95	0.9	0.4	to	1.9	0.82	± 0.030	60
Sodium (mg/L)		6.5	6.2	5.3	1.8	to	9.8	4.1	± 0.130	94
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.15 U	to	0.8	0.36	± 0.017	69
Nitrite/Nitrate - (N) (mg/L)		1.2	1.4	1.2	0.17	to	2 U	0.7	± 0.066	27
Total Dissolved Solids (mg/L)		389	396	384	36	to	460	200	± 12.000	94
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	9	3.6	± 0.130	60
Sulfate (mg/L)		20	18	19	2.9	to	59	9	± 0.790	94
Bicarbonate Alkalinity (CaCO3) (mg/L)		270	270	96	86	to	270	170	± 7.800	60
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to	44	1.8	± 0.460	94
Chloride (mg/L)		34	34	35	1 U	to	57.6	17	± 1.600	94
Bromide (mg/L)		0.19	0.19	0.2	0.1 U	to	0.23	0.14	± 0.007	33
Turbidity (field) (NTU)		1.4	0.5	0.1	0	to	999	15	± 12.000	83

<u>underlined/bold</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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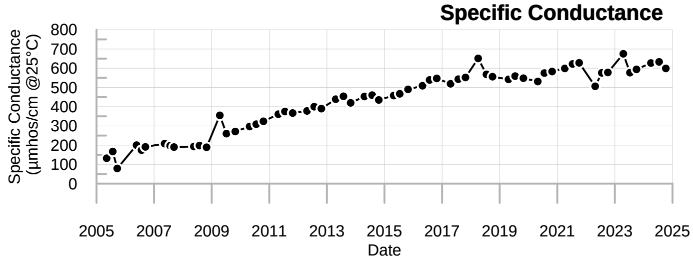
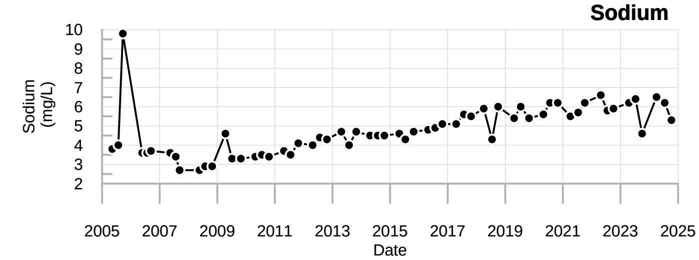
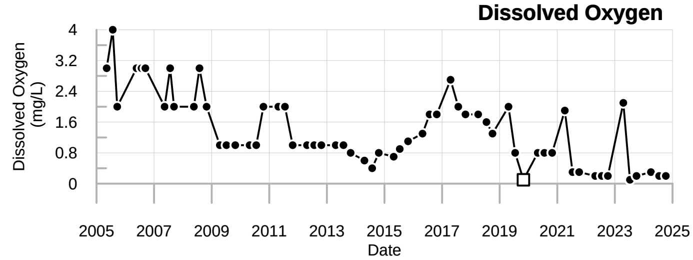
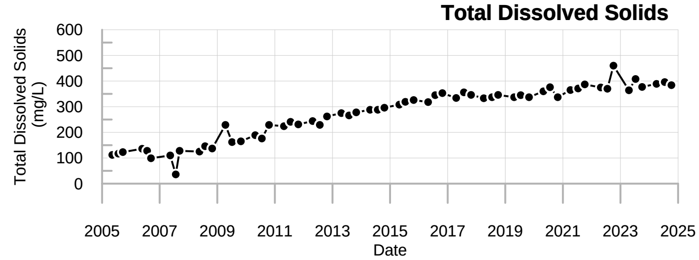
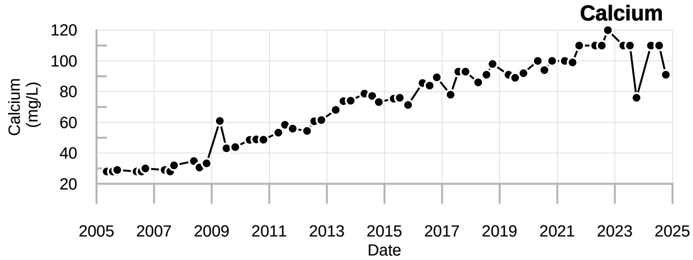
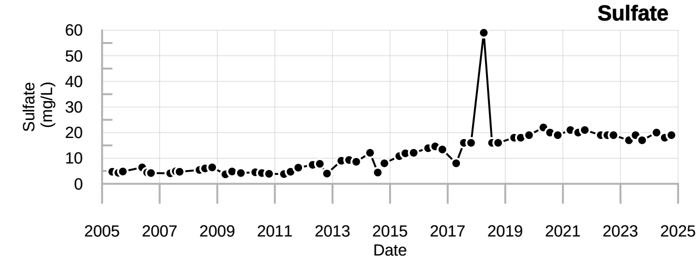


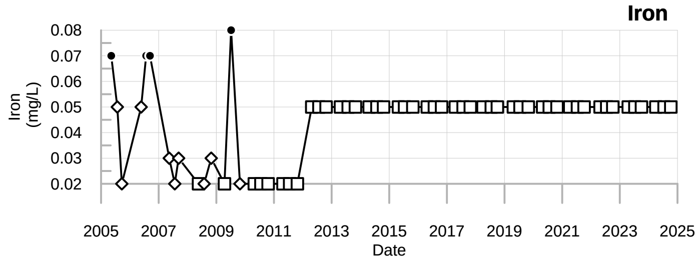


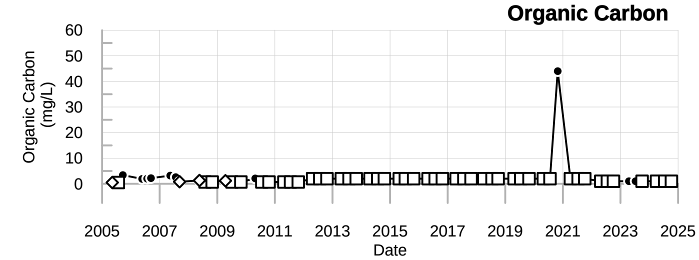


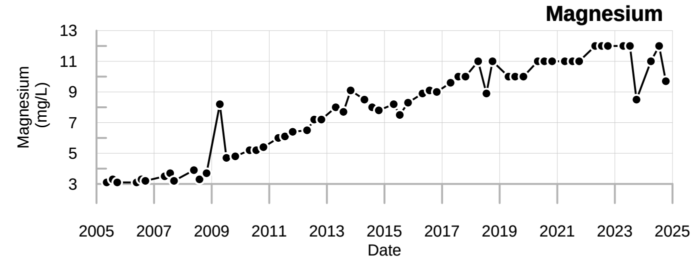


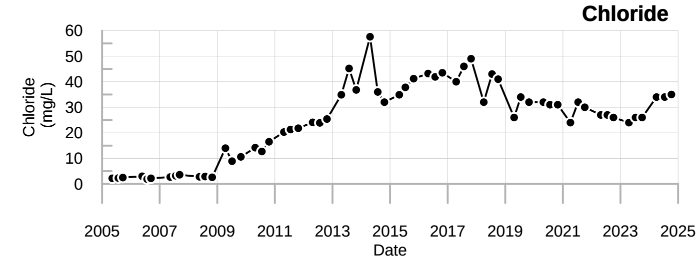


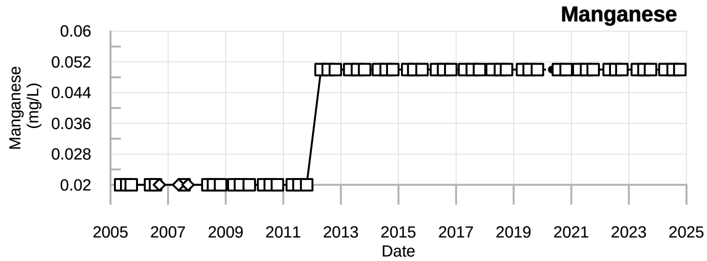


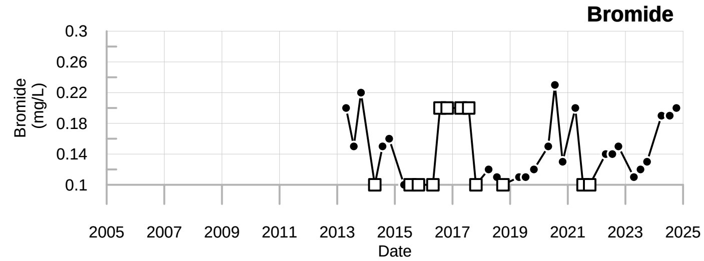












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

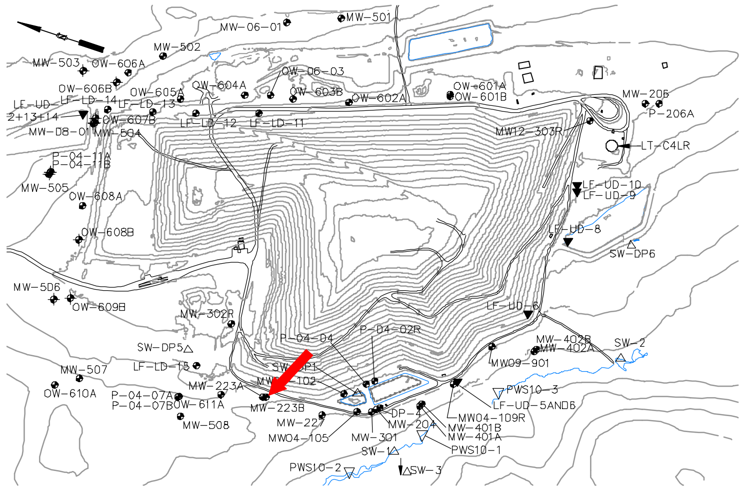
SME SEVEE & MAHER ENGINEERS

MW-223A
Juniper Ridge Landfill

Well Description

MW-223B monitors the overburden water quality downgradient of the landfill.

Screen Interval:	**12.6 ft. to 17.6 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**11/12/90**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**



Chemical Summary

Indicator Parameters	Q1 (2024)	Q2 (2024)	Q3 (2024)	Q4 (2024)	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		500	497	473	100	to	611	280	±	14.000	101
pH (STU)		7.2	6.8	6.6	6.3	to	8.2	7.2	±	0.031	101
Temperature (Deg C)		6.3	12	12	3.8	to	17.7	9.7	±	0.300	101
Water Level Depth (Feet)		4.3	5.15	↑7.2	0.69	to	6.9	3.1	±	0.120	98
Water Level Elevation (Feet)		171.63	170.78	↓168.73	169.03	to	175.24	170	±	0.120	98
Water Level Reference Point (Feet)		175.93	175.93	175.93	175.93	to	175.93	180	±	0.000	98
Eh (mV)		229	312	273	-402	to	446	260	±	16.000	70
Dissolved Oxygen (mg/L)		0.4	0.2	0.3	0.1 U	to	7.6	1.5	±	0.150	84
Well Depth (Feet)				↑20.21	19.93	to	20.1	20	±	0.014	19
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001 U	to	0.017	0.0057	±	0.000	60
Calcium (mg/L)		70	72	51	16	to	80	39	±	2.000	90
Iron (mg/L)		0.23	0.095	0.05 U	0.009	to	0.58	0.11	±	0.013	94
Magnesium (mg/L)		17	17	12	3.7	to	19	9.5	±	0.490	90
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.001 U	to	0.16	0.037	±	0.002	94
Potassium (mg/L)		1	0.98	0.73	0.3	to	2	0.83	±	0.035	60
Sodium (mg/L)		6.6	6.1	4.3	2.1	to	7.9	4.5	±	0.100	94
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2	0.15 U	to	2.5 U	0.46	±	0.043	69
Nitrite/Nitrate - (N) (mg/L)		0.69	0.7	0.86	0.15	to	2 U	0.58	±	0.063	27
Total Dissolved Solids (mg/L)		312	314	301	67	to	356	180	±	8.400	94
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	12	3.7	±	0.180	60
Sulfate (mg/L)		16	15	17	2.2	to	53	7.1	±	0.650	94
Bicarbonate Alkalinity (CaCO3) (mg/L)		210	210	160	92	to	220	140	±	4.700	60
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to	47	2.1	±	0.490	94
Chloride (mg/L)		31	29	27	1 U	to	55.7	17	±	1.700	94
Bromide (mg/L)		0.14	0.14	0.16	0.03	to	4.13	0.26	±	0.110	35
Turbidity (field) (NTU)		1	1.3	0.6	0	to	83	2.2	±	1.000	82
Methane (ug/L)		19		↑69	9.2	to	40.6	21	±	1.100	24

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

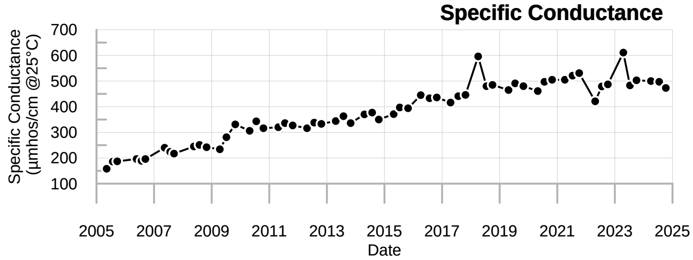
U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

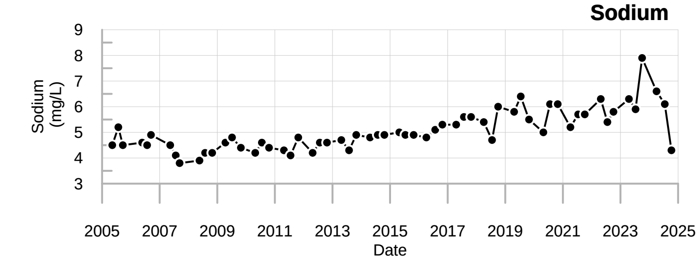
Data Group: 245
Printed: 4/16/2025 11:25

SME SEVEE & MAHER ENGINEERS

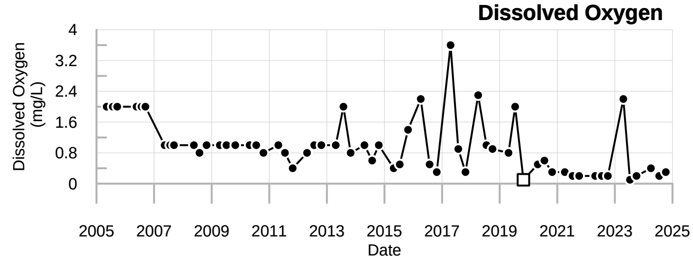
Specific Conductance



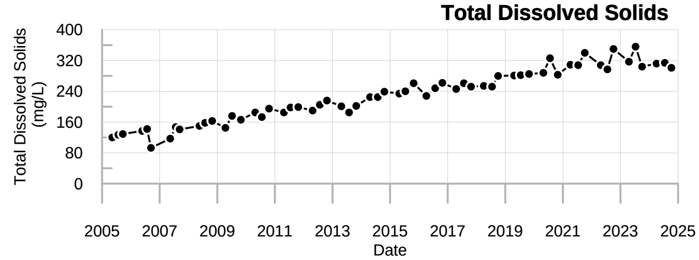
Sodium



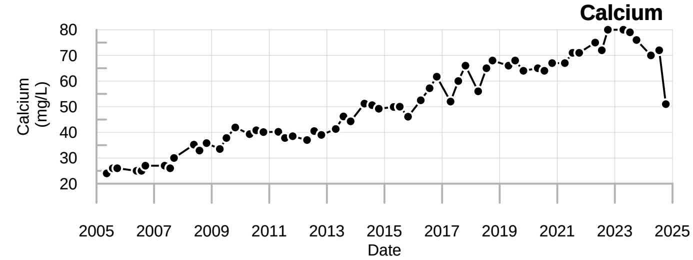
Dissolved Oxygen



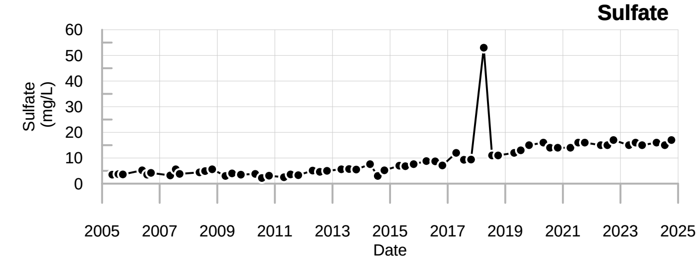
Total Dissolved Solids



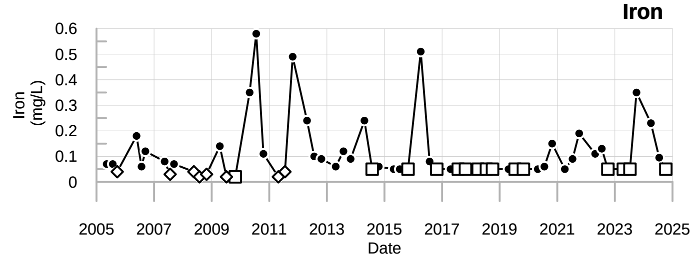
Calcium



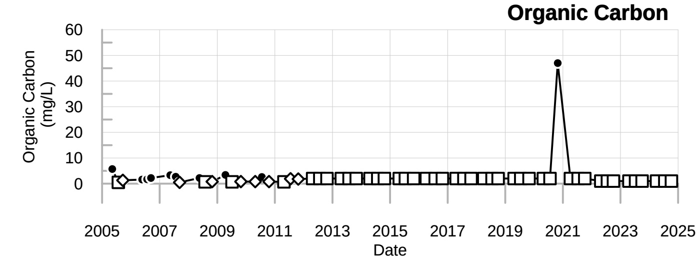
Sulfate



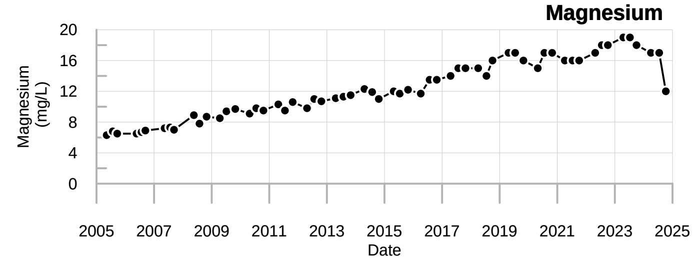
Iron



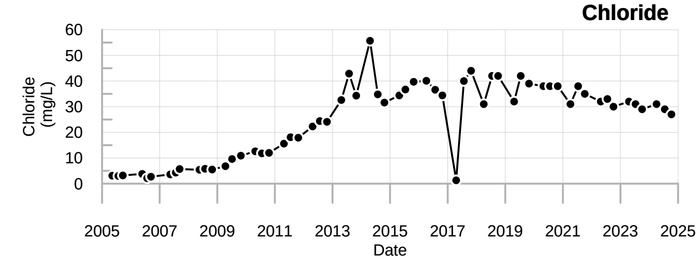
Organic Carbon



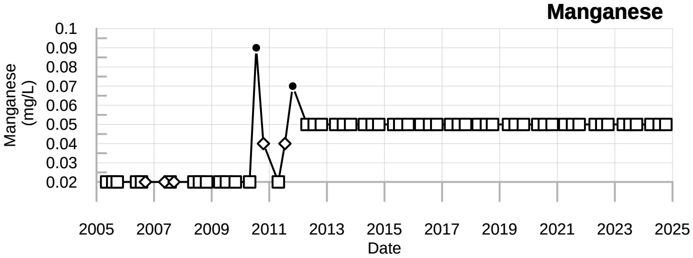
Magnesium



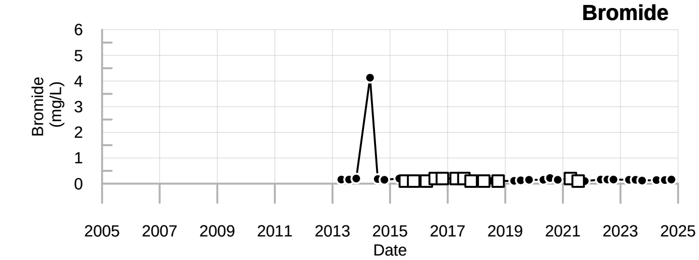
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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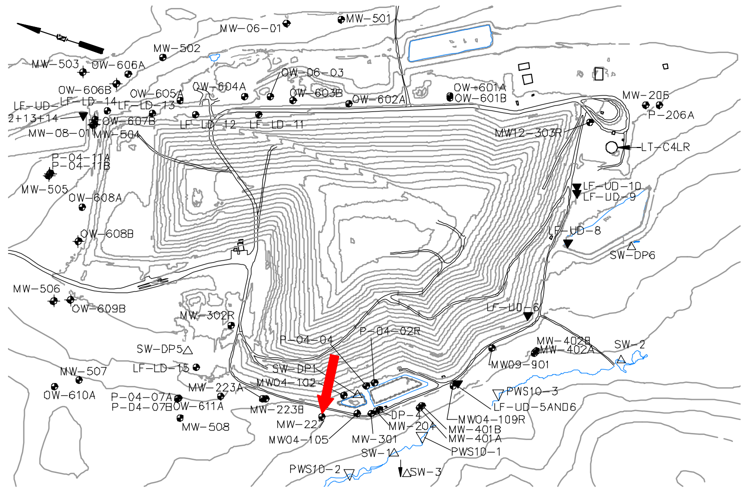
MW-223B
Juniper Ridge Landfill

Well Description

MW-227 monitors water quality in the overburden downgradient of the landfill.



Screen Interval:	**15 ft. to 20 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**11/13/90**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		183	178	170	90	to	310	180	±	2.800	103
pH (STU)		8.3	8.1	7.8	6.2	to	8.9	8	±	0.041	103
Temperature (Deg C)		5.6	12.6	12.5	1	to	16.8	9.8	±	0.330	103
Water Level Depth (Feet)		4.4	4.25	5.15	3.14	to	14.73	5.3	±	0.190	100
Water Level Elevation (Feet)		159.83	159.98	159.08	149.5	to	161.09	160	±	0.190	100
Water Level Reference Point (Feet)		164.23	164.23	164.23	164.23	to	164.23	160	±	0.000	100
Eh (mV)		226	331	289	-455	to	411	260	±	15.000	71
Dissolved Oxygen (mg/L)		5.2	2.6	2.9	0.1 U	to	8.7	2.3	±	0.180	86
Well Depth (Feet)				↑22.41	22.2	to	22.35	22	±	0.009	19
Arsenic (mg/L)		0.005	0.005 U	0.005 U	0.005 U	to	0.024	0.013	±	0.000	60
Calcium (mg/L)		21	23	19	16	to	26	22	±	0.200	91
Iron (mg/L)		0.074	0.05 U	0.056	0.008	to	0.65	0.074	±	0.009	97
Magnesium (mg/L)		5	5.4	4.4	3.6	to	6	5.3	±	0.046	91
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.004	to	0.17	0.035	±	0.003	97
Potassium (mg/L)		1.1	1	0.91	0.6	to	1.9	1.1	±	0.024	60
Sodium (mg/L)		5.1	5.1	4.1	3.1	to	11	6.3	±	0.130	97
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.15 U	to	1	0.35	±	0.017	70
Nitrite/Nitrate - (N) (mg/L)		0.079	0.062	0.055	0.05 U	to	2 U	0.17	±	0.074	27
Total Dissolved Solids (mg/L)		103	105	99	59	to	222	110	±	2.400	97
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	10	3.7	±	0.140	60
Sulfate (mg/L)		12	11	11	1.3	to	17.3	11	±	0.260	97
Bicarbonate Alkalinity (CaCO3) (mg/L)		80	81	75	75	to	90	80	±	0.390	60
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to	42	2.3	±	0.470	97
Chloride (mg/L)		1.3	1.5	1.5	1 U	to	22.9	2.7	±	0.340	97
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11	±	0.006	33
Turbidity (field) (NTU)		1.8	1.5	1.2	0	to	962	13	±	11.000	84

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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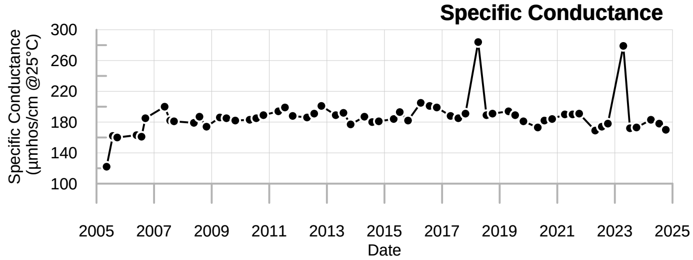
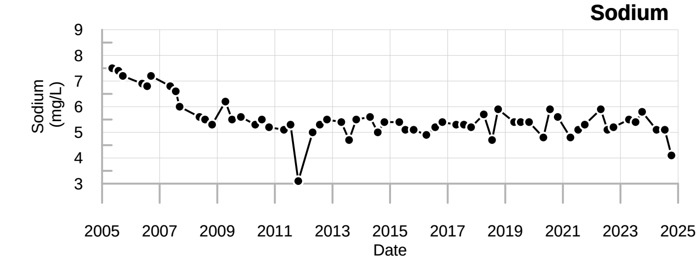
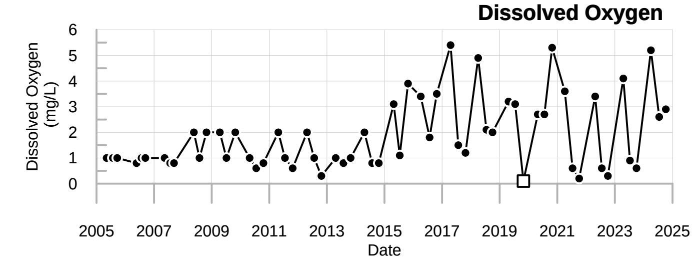
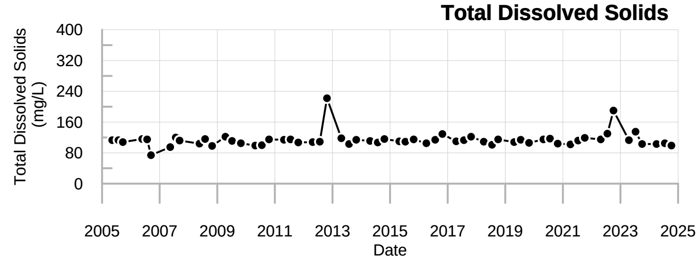
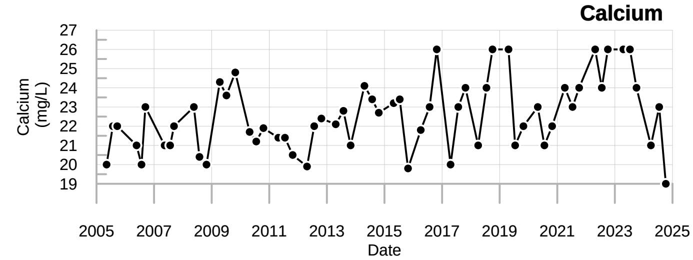
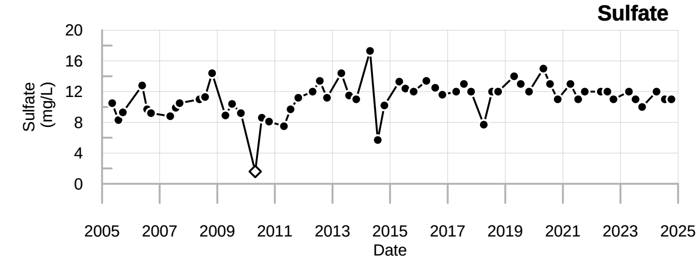


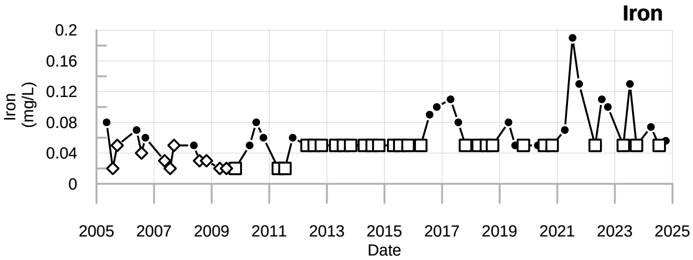


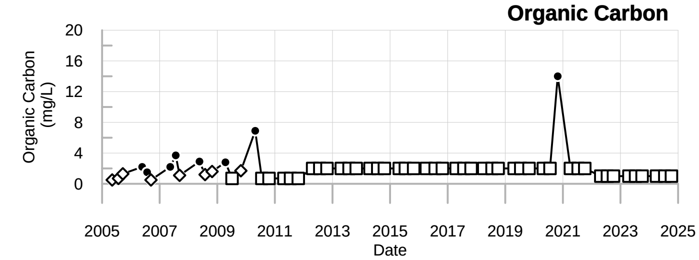


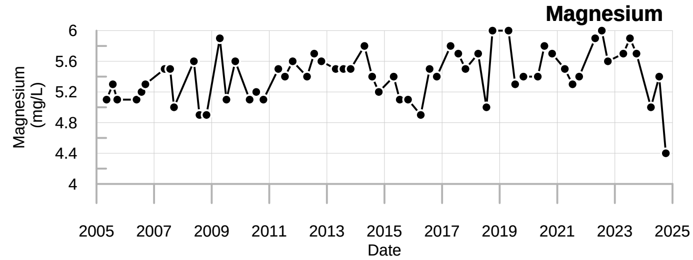


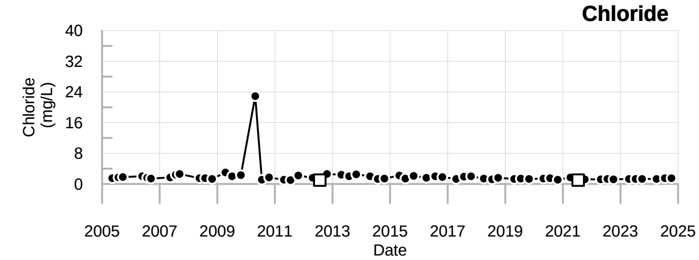


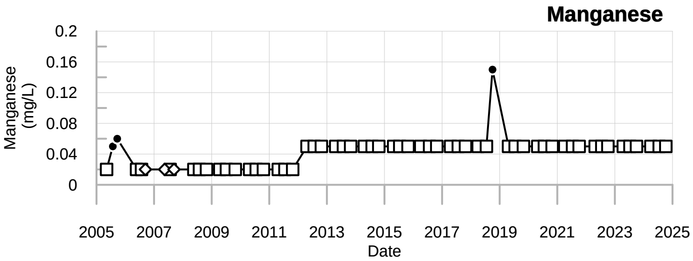


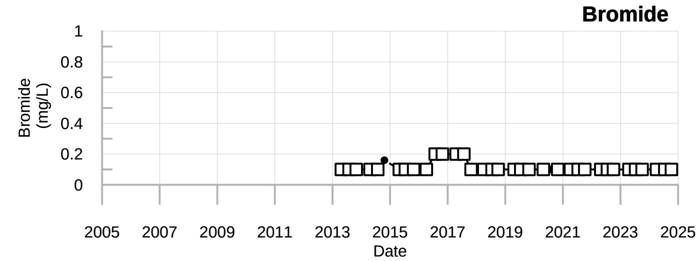












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

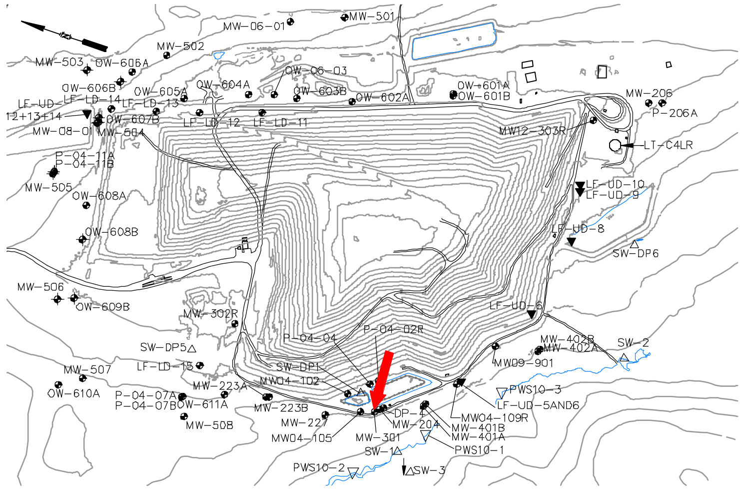
◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

MW-227
Juniper Ridge Landfill

Well Description

MW-301 monitors the water quality within the bedrock downgradient of the landfill.



Screen Interval:	**162.7 ft. to 182.7 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**11/25/96**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		230	252	238	82	to	340	200	±	5.200	83
pH (STU)		8.3	7.8	7.5	6.2	to	8.4	7.9	±	0.051	83
Temperature (Deg C)		8	15.2	11.8	3.2	to	19.1	11	±	0.390	83
Water Level Depth (Feet)		0.3	0.53	0.15	0	to	5.2	1.7	±	0.220	75
Water Level Elevation (Feet)		165.61	165.38	165.76	161.16	to	166.36	160	±	0.210	77
Water Level Reference Point (Feet)		165.91	165.91	165.91	165.91	to	166.36	170	±	0.025	79
Eh (mV)		36	161	172	25	to	471	250	±	14.000	70
Dissolved Oxygen (mg/L)		0.2	0.2	0.2	0.1	to	5.5	1.8	±	0.190	81
Well Depth (Feet)				185.11	179.61	to	185.15	180	±	0.310	19
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001	to	0.018	0.0057	±	0.000	59
Calcium (mg/L)		26	27	21	14.9	to	31.4	20	±	0.410	79
Iron (mg/L)		0.084	0.35	0.68	0.011	to	1.59	0.15	±	0.024	83
Magnesium (mg/L)		6.1	6	5.4	2.5	to	7.1	4.9	±	0.100	79
Manganese (mg/L)		0.062	0.1	0.076	0.001	to	0.18	0.041	±	0.004	83
Potassium (mg/L)		0.79	0.84	0.64	0.4	to	1.7	0.78	±	0.023	59
Sodium (mg/L)		14	14	11	6.8	to	15	11	±	0.230	83
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.15 U	to	0.6	0.36	±	0.016	59
Nitrite/Nitrate - (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2 U	0.16	±	0.074	27
Total Dissolved Solids (mg/L)		151	153	160	66	to	171	120	±	2.700	83
Total Suspended Solids (mg/L)		8.3 U	9.7	10	2.5 U	to	21	5.5	±	0.600	59
Sulfate (mg/L)		19	18	17	3.9	to	19	13	±	0.430	83
Bicarbonate Alkalinity (CaCO3) (mg/L)		73	75	74	70	to	91	76	±	0.450	59
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to	16	1.7	±	0.200	83
Chloride (mg/L)		25	↑29	23	1 U	to	26	7.7	±	0.880	83
Bromide (mg/L)		0.1 U	0.1 U	0.1	0.1 U	to	0.2 U	0.11	±	0.006	32
Turbidity (field) (NTU)		2.4	1.2	1	0	to	18	2.1	±	0.340	80

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

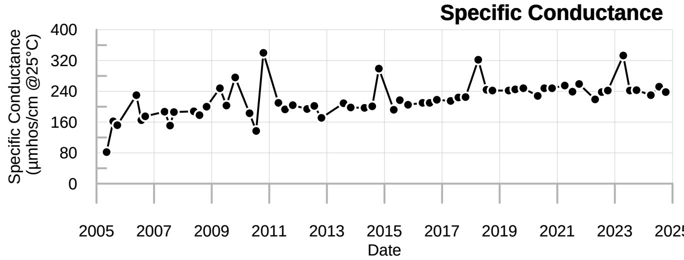
U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

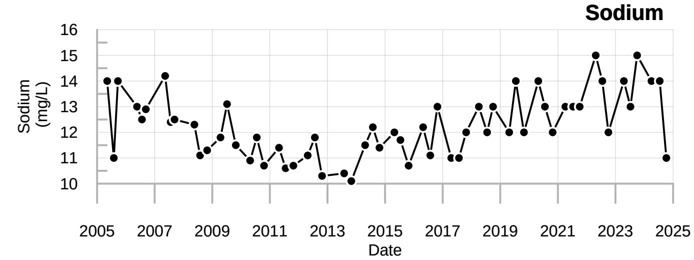
Data Group: 245
Printed: 4/16/2025 11:25

SME SEVEE & MAHER ENGINEERS

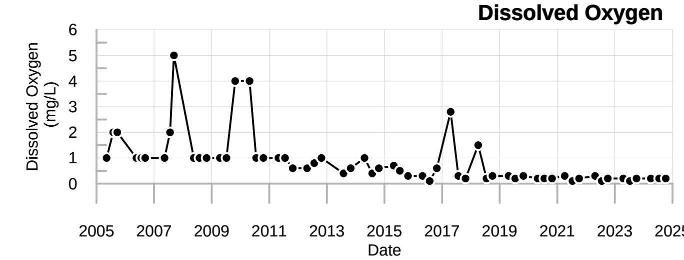
Specific Conductance



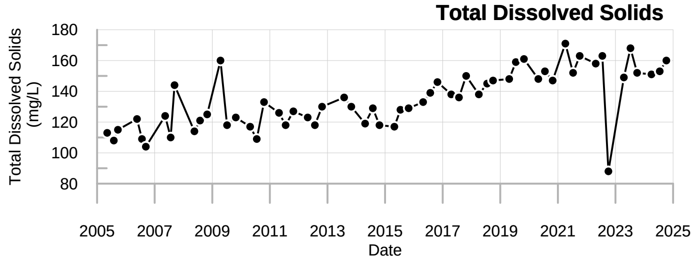
Sodium



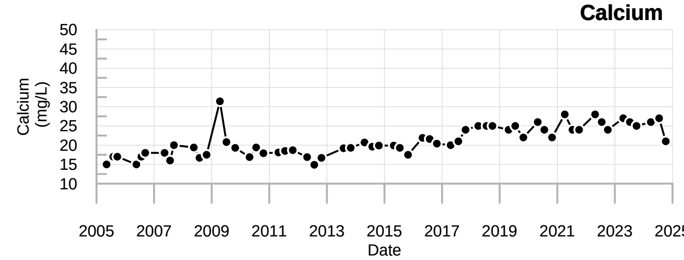
Dissolved Oxygen



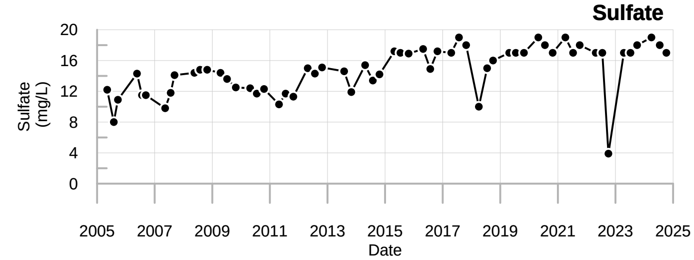
Total Dissolved Solids



Calcium



Sulfate



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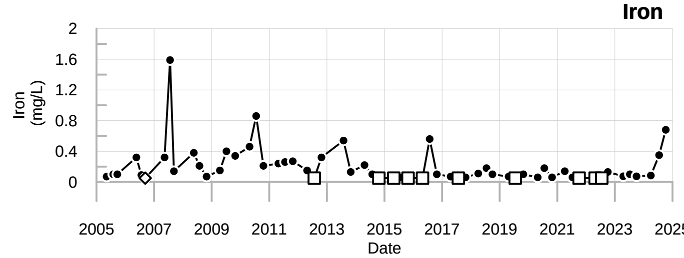
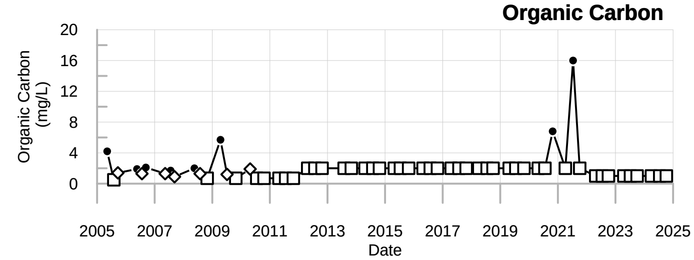
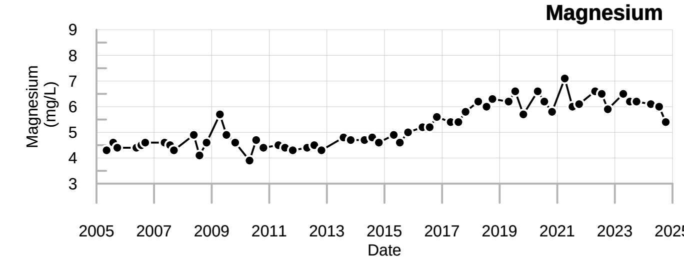


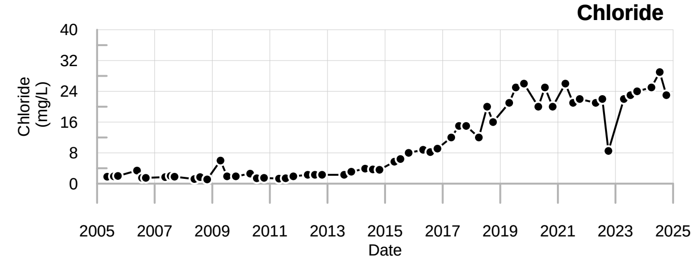
Organic Carbon



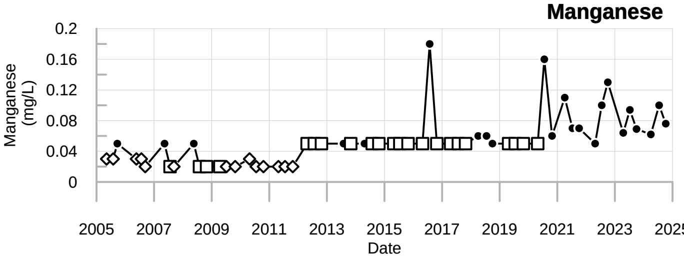
Magnesium



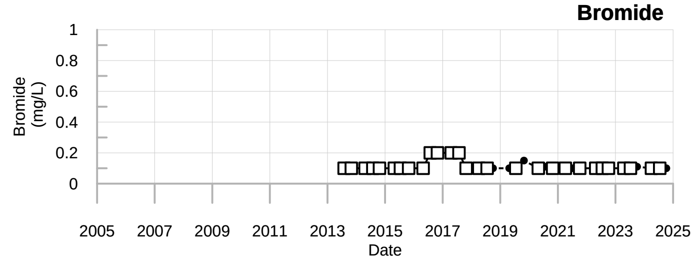
Chloride



Manganese



Bromide



LEGEND

- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

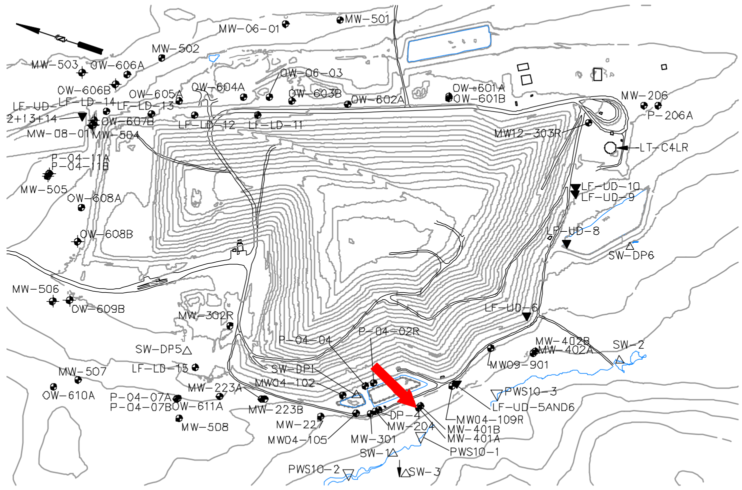
SME
SEVEE & MAHER ENGINEERS

MW-301
Juniper Ridge Landfill

Sevee & Maher Engineers, Inc.

Well Description

MW-401A monitors bedrock water quality downgradient of the landfill and former leachate pond.



Screen Interval:	**98.8 ft. to 108.8 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**07/29/04**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		168	169	171	73	to	303	130 ±	3.700	59
pH (STU)		7.9	7.5	7.3	6.6	to	8.6	7.8 ±	0.066	59
Temperature (Deg C)		7.2	11.9	10	6.6	to	17.8	9.6 ±	0.250	59
Water Level Depth (Feet)		↓0.61	4.98	6.78	0.87	to	8.72	4.6 ±	0.290	59
Water Level Elevation (Feet)		↑156.22	151.85	150.05	148.11	to	155.96	150 ±	0.290	59
Water Level Reference Point (Feet)		156.83	156.83	156.83	156.83	to	156.83	160 ±	0.000	59
Eh (mV)		410	391	444	152	to	516	320 ±	12.000	59
Dissolved Oxygen (mg/L)		4.6	7	5.1	1.2	to	11.1	5.2 ±	0.200	59
Well Depth (Feet)				112.06	111.92	to	112.21	110 ±	0.020	19
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001 U	to	0.018	0.0058 ±	0.000	59
Calcium (mg/L)		20	21	17	11	to	21	15 ±	0.290	59
Iron (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.07	0.042 ±	0.002	59
Magnesium (mg/L)		5.5	5.3	4.6	3.7	to	5.5	4.3 ±	0.058	59
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.05 U	0.039 ±	0.002	59
Potassium (mg/L)		0.81	0.85	0.62	0.3	to	1.8	0.75 ±	0.028	59
Sodium (mg/L)		4.5	4.6	3.4	3.2	to	5.2	4 ±	0.059	59
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	1.1	0.39 ±	0.022	59
Nitrite/Nitrate - (N) (mg/L)		0.097	0.061	0.1	0.05 U	to	1 U	0.16 ±	0.038	27
Total Dissolved Solids (mg/L)		↑212	108	↑123	68	to	118	91 ±	1.300	59
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	7	3.6 ±	0.110	59
Sulfate (mg/L)		4.3	3.9	3.9	2 U	to	16	3.8 ±	0.240	59
Bicarbonate Alkalinity (CaCO3) (mg/L)		56	59	59	51	to	66	59 ±	0.420	59
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to	9.6	2 ±	0.200	59
Chloride (mg/L)		18	18	16	1	to	21	3.6 ±	0.460	59
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11 ±	0.006	33
Turbidity (field) (NTU)		0.1	0.2	0.3	0	to	4.9	0.53 ±	0.110	59

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

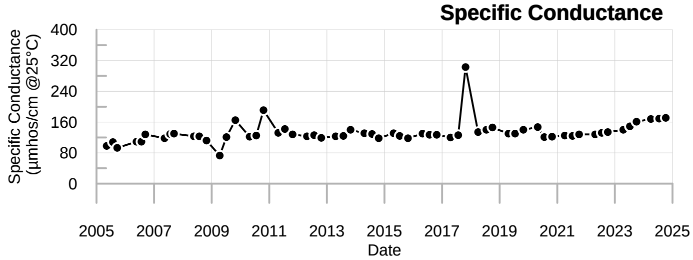
U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

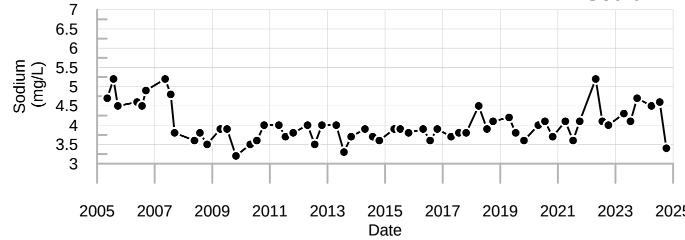
Data Group: 245
Printed: 4/16/2025 11:25

SME SEVEE & MAHER ENGINEERS

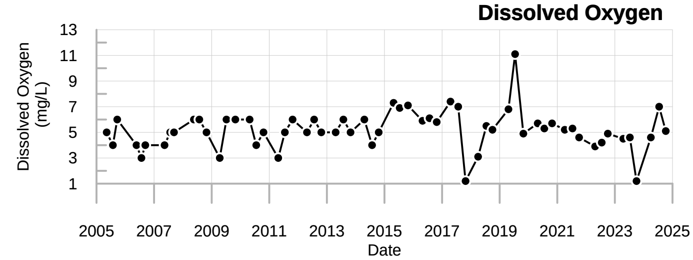
Specific Conductance



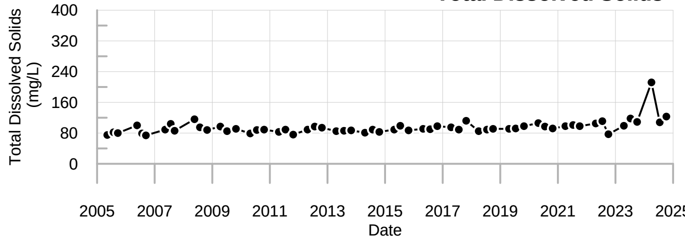
Sodium



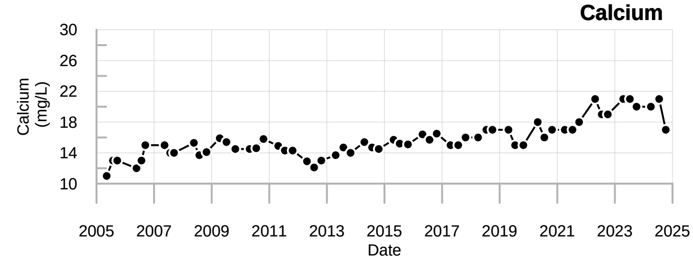
Dissolved Oxygen



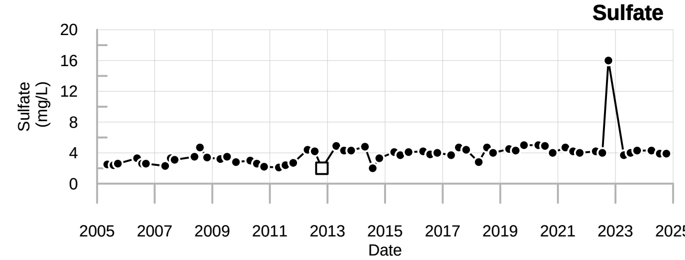
Total Dissolved Solids



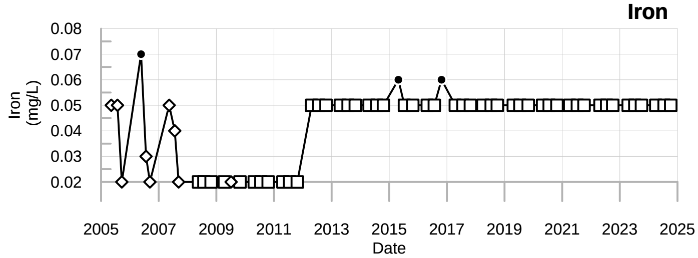
Calcium



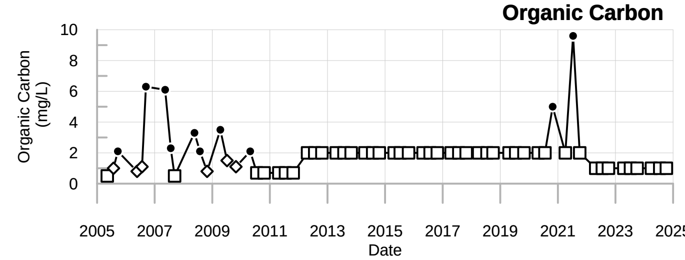
Sulfate



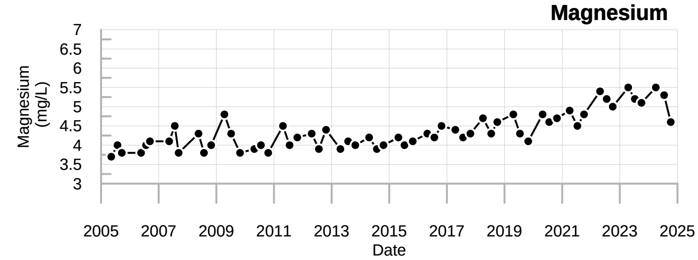
Iron



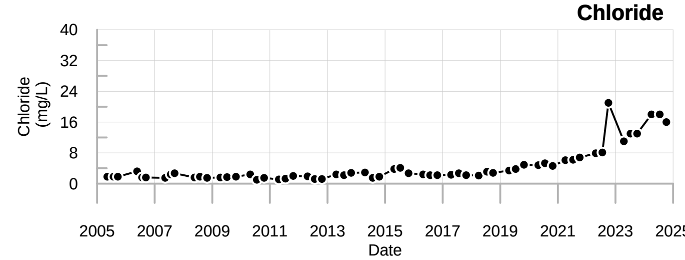
Organic Carbon



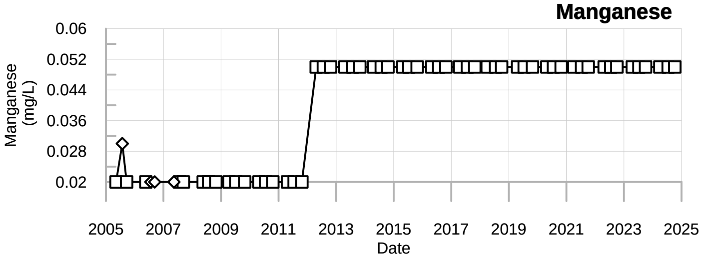
Magnesium



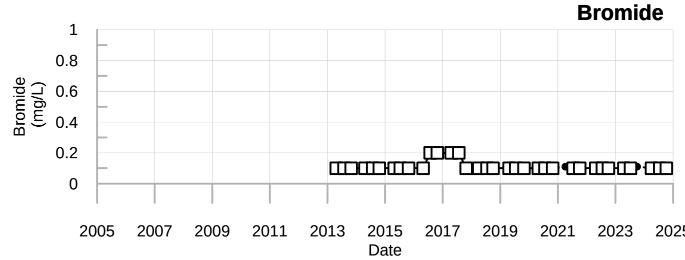
Chloride



Manganese



Bromide



LEGEND

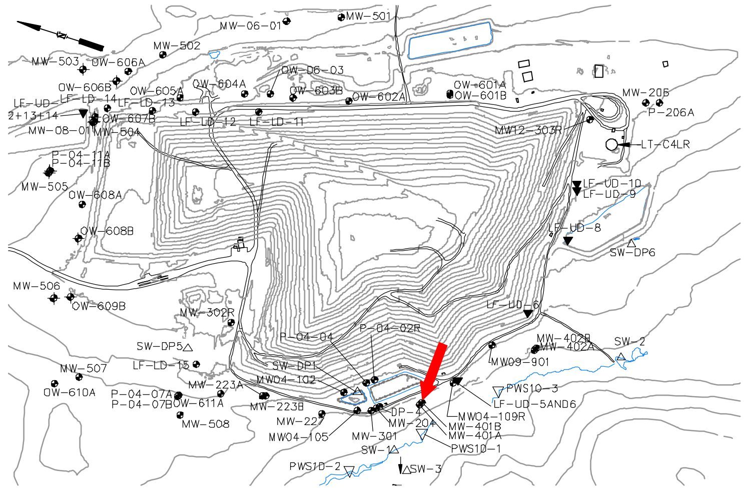
- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

SME
SEVEE & MAHER ENGINEERS

MW-401A
Juniper Ridge Landfill

Well Description

MW-401B is located downgradient of the landfill and former leachate pond and monitors groundwater quality in the overburden.



Screen Interval:	**10 ft. to 20 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**07/29/04**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		287	313	330	180	to	699	340	±	14.000	59
pH (STU)		6.7	6.6	6.2	5.9	to	7.7	6.8	±	0.050	59
Temperature (Deg C)		6.9	10.8	11.2	5.9	to	16.1	9.4	±	0.270	59
Water Level Depth (Feet)		6.27	6.72	7.65	6.2	to	8.85	7	±	0.072	59
Water Level Elevation (Feet)		151.05	150.6	149.67	148.47	to	151.12	150	±	0.071	59
Water Level Reference Point (Feet)		157.32	157.32	157.32	157.32	to	157.32	160	±	0.000	59
Eh (mV)		186	228	↑422	-33	to	417	180	±	12.000	59
Dissolved Oxygen (mg/L)		0.8	1.9	4.1	0.1	to	5	0.82	±	0.120	59
Well Depth (Feet)				23.15	23.03	to	23.9	23	±	0.057	19
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.002	to	0.058	0.015	±	0.001	59
Calcium (mg/L)		38	41	35	25.3	to	100	41	±	1.800	59
Iron (mg/L)		1.1	2.5	1.1	0.19	to	19	2.4	±	0.390	59
Magnesium (mg/L)		10	11	9.5	8	to	36	12	±	0.590	59
Manganese (mg/L)		0.12	0.17	0.12	0.05	to	2.9	0.31	±	0.067	59
Potassium (mg/L)		1.2	1.3	1.1	0.9	to	3.2	1.4	±	0.061	59
Sodium (mg/L)		10	10	↓8.1	9.7	to	33	15	±	0.730	59
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2	0.2 U	to	3.2	0.45	±	0.052	59
Nitrite/Nitrate - (N) (mg/L)		0.054	0.05 U	0.05 U	0.05 U	to	1 U	0.13	±	0.041	27
Total Dissolved Solids (mg/L)		175	188	208	142	to	488	220	±	8.500	59
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	36	4.6	±	0.610	59
Sulfate (mg/L)		11	10	9.8	5.3	to	69.2	17	±	1.600	59
Bicarbonate Alkalinity (CaCO3) (mg/L)		130	150	160	108	to	245	150	±	3.900	59
Organic Carbon (mg/L)		1 U	1 U	1	0.7 U	to	49	3.4	±	0.880	59
Chloride (mg/L)		7.1	4.6	4.1	1 U	to	40.5	13	±	1.100	59
Bromide (mg/L)		0.2	0.21	0.22	0.1 U	to	0.25	0.18	±	0.007	33
Turbidity (field) (NTU)		0.1	0.2	0.2	0	to	6.7	1	±	0.170	59

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

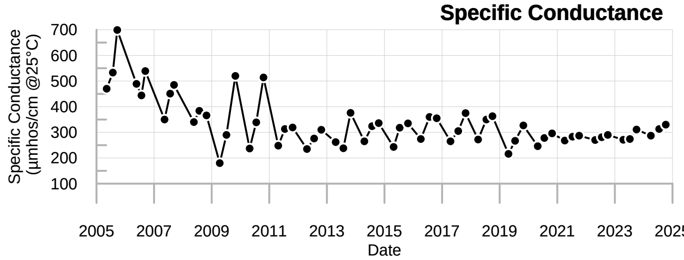
U = Not Detected above the laboratory reporting limit.

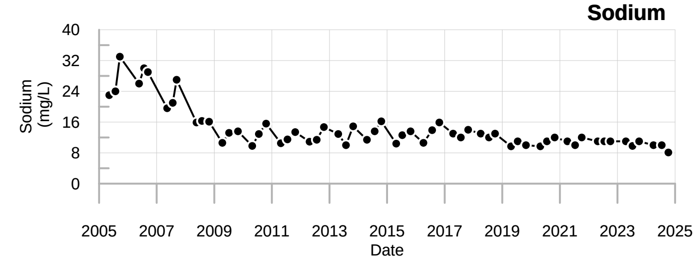
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

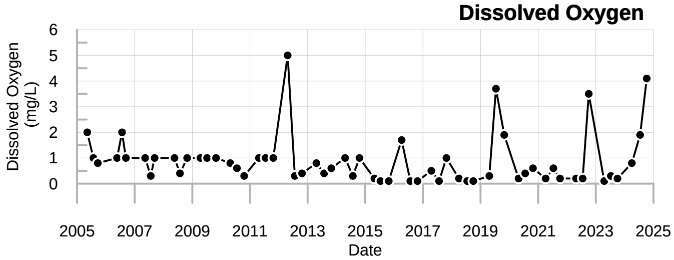
Data Group: 245
Printed: 4/16/2025 11:25

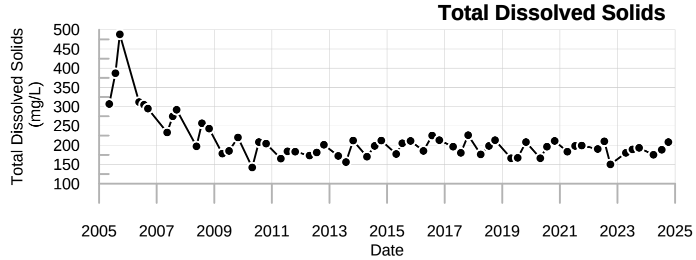
SME SEVEE & MAHER ENGINEERS

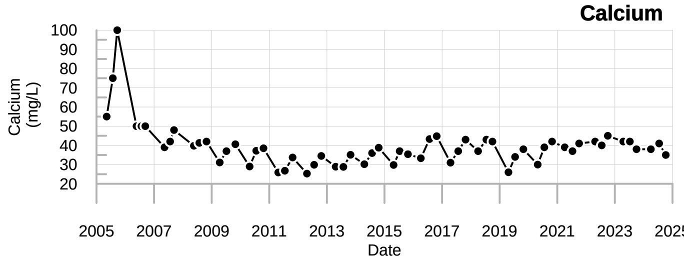
MW-401B

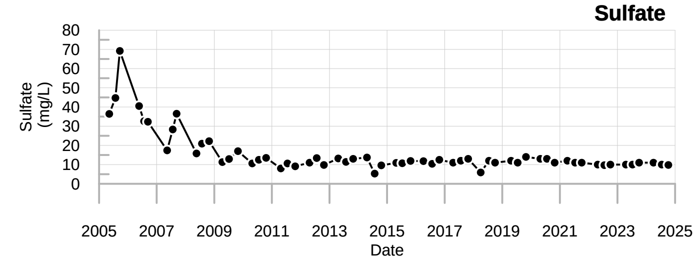


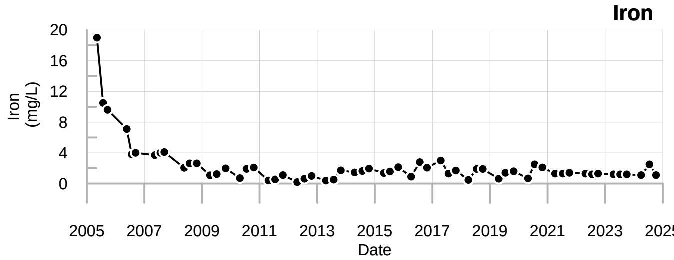


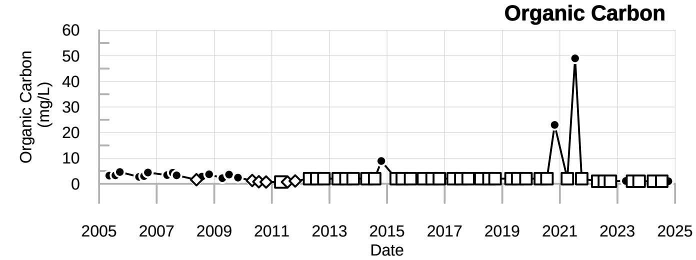


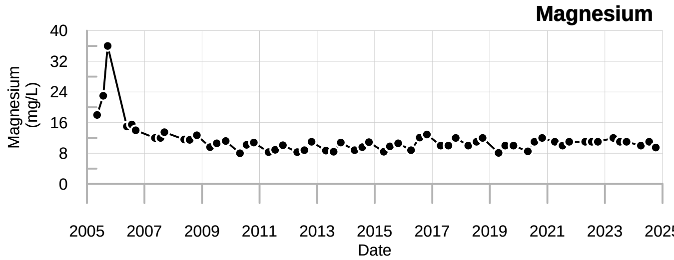


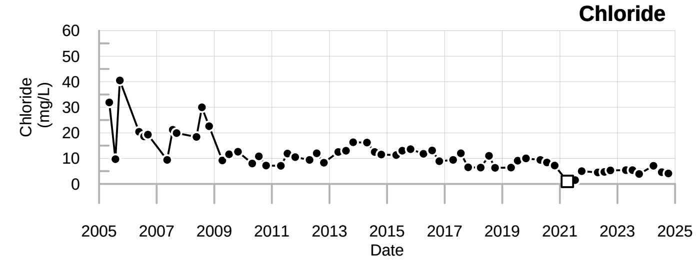


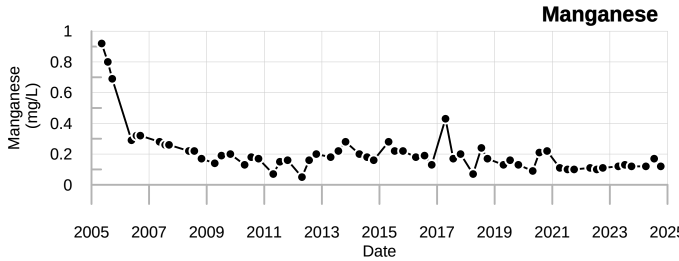


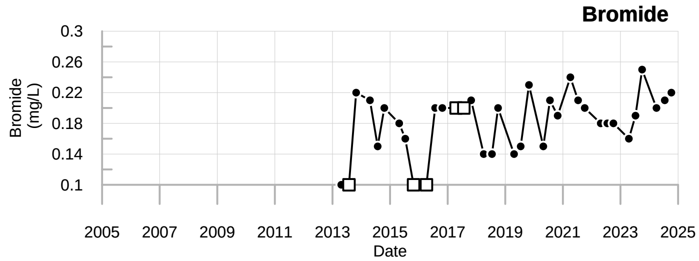












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

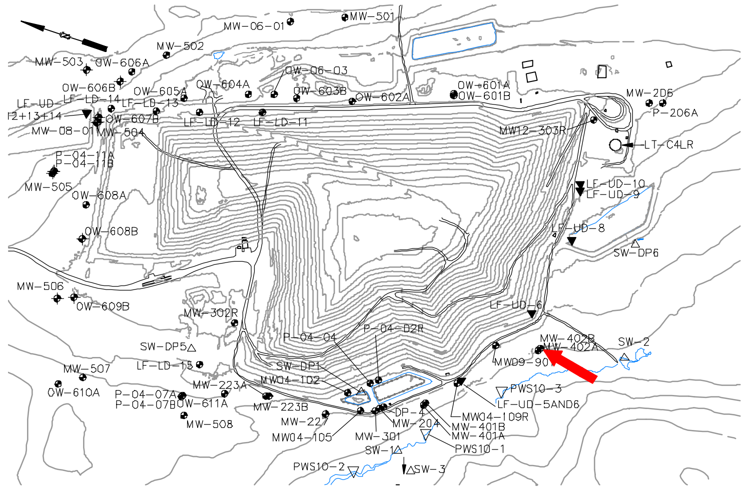
MW-401B
Juniper Ridge Landfill

MW-402A

Juniper Ridge Landfill

Well Description

MW-402A monitors water quality within the bedrock downgradient of the landfill.



Screen Interval:	**95.5 ft. to 105.5 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**07/29/04**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

	2024				Historical (11/1/1990 - 12/31/2023)						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		123	132	129	58	to	197	120	±	2.300	59
pH (STU)		8.2	7.6	7.4	7.1	to	9.5	8.2	±	0.067	59
Temperature (Deg C)		7.4	12.6	10.9	5.2	to	14.7	10	±	0.320	59
Water Level Depth (Feet)		F1	0.12	↑4.13	0	to	2.35	0.29	±	0.110	27
Water Level Elevation (Feet)			152.08	↓148.07	149.85	to	152.2	150	±	0.110	28
Water Level Reference Point (Feet)		152.2	152.2	152.2	152.2	to	152.2	150	±	0.000	58
Eh (mV)		413	362	402	106	to	460	310	±	11.000	59
Dissolved Oxygen (mg/L)		2.8	5.4	2.5	1.8	to	9.2	4	±	0.170	59
Well Depth (Feet)				108.4	108.19	to	108.55	110	±	0.019	19
Arsenic (mg/L)		↓0.005	↓0.0076	↓0.005 U	0.011	to	0.028	0.018	±	0.001	59
Calcium (mg/L)		13	13	9.9	7.7	to	14	12	±	0.180	59
Iron (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.26	0.044	±	0.004	59
Magnesium (mg/L)		3.2	3.1	2.7	2.6	to	3.6	3	±	0.031	59
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.05 U	0.038	±	0.002	59
Potassium (mg/L)		0.66	0.67	0.49	0.3	to	1.3	0.67	±	0.024	59
Sodium (mg/L)		9.2	9.6	↓7.1	7.4	to	11	8.8	±	0.100	59
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.15 U	to	1	0.37	±	0.020	59
Nitrite/Nitrate - (N) (mg/L)		0.088	0.05 U	0.074	0.05 U	to	2 U	0.17	±	0.074	27
Total Dissolved Solids (mg/L)		85	79	88	45	to	100	82	±	1.400	59
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	4 U	3.5	±	0.093	59
Sulfate (mg/L)		9.8	7.8	7.3	3	to	11	6.9	±	0.260	59
Bicarbonate Alkalinity (CaCO3) (mg/L)		53	55	56	46	to	60	54	±	0.370	59
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to	8.1	1.8	±	0.150	59
Chloride (mg/L)		2.4	2.3	2.1	0.8	to	3.1	1.8	±	0.053	59
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11	±	0.006	33
Turbidity (field) (NTU)		0.3	0.2	0.4	0	to	3.7	0.44	±	0.082	59

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

F1 = Well was flowing

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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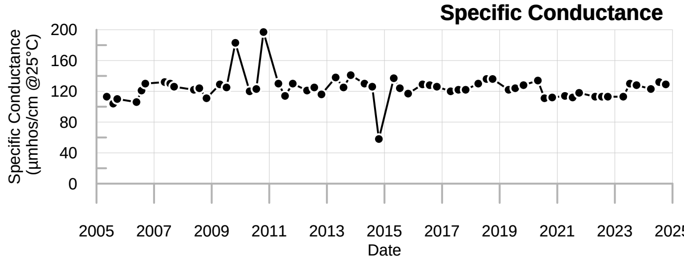
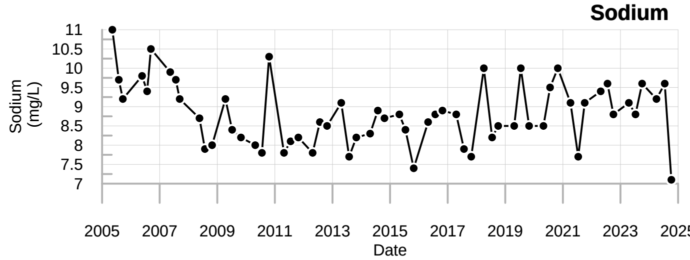
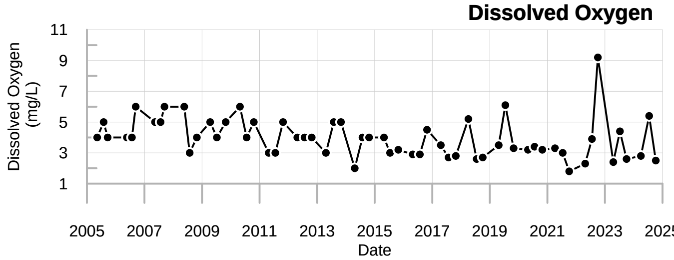
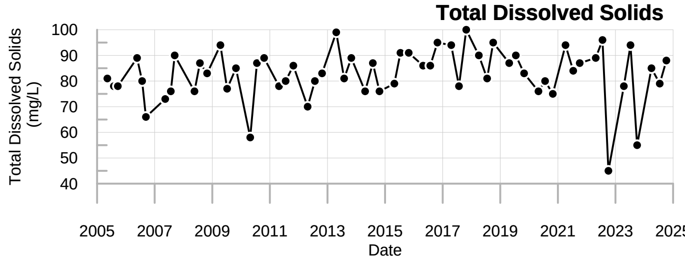
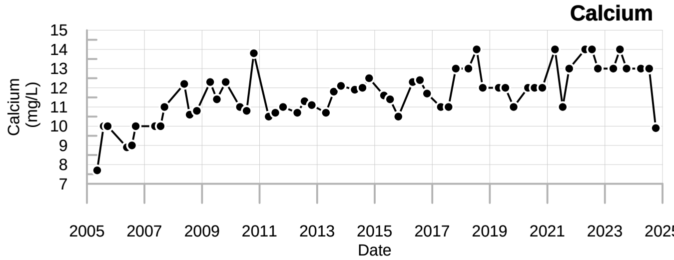
MW-402A

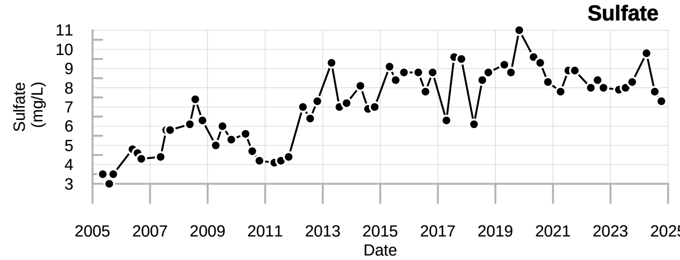


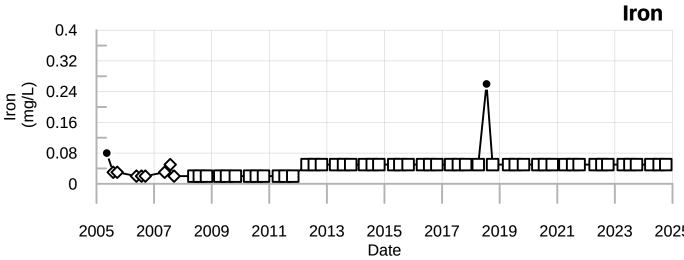


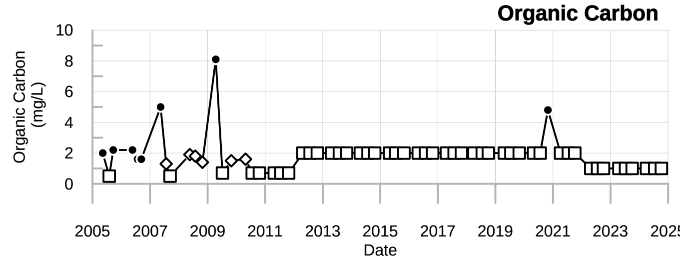


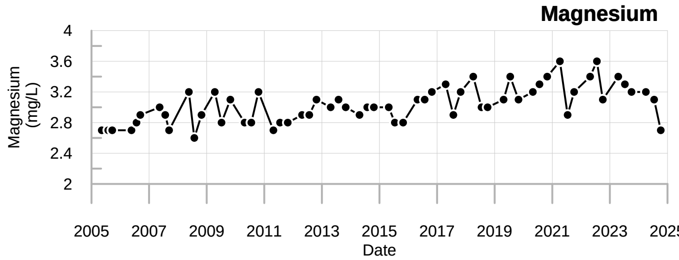


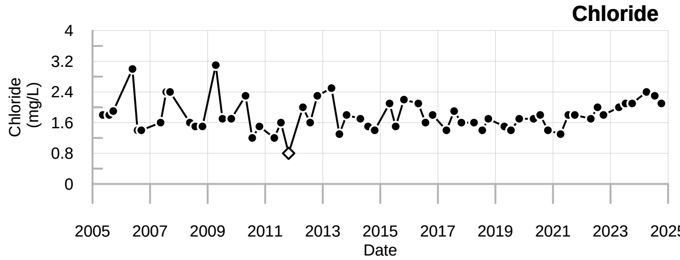


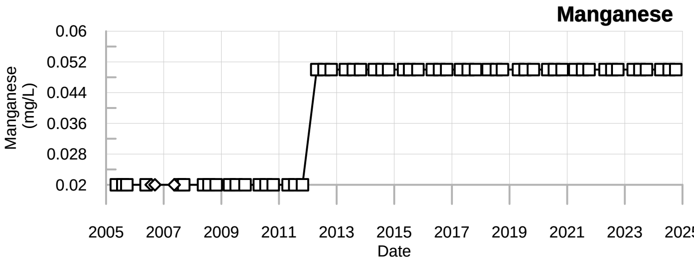


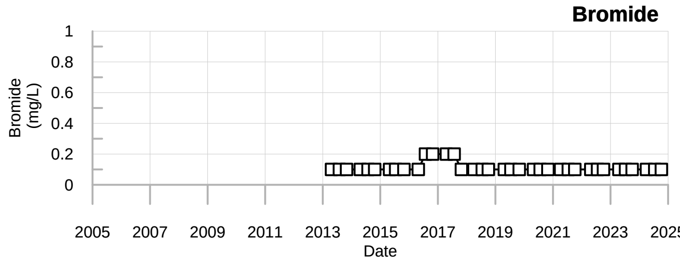












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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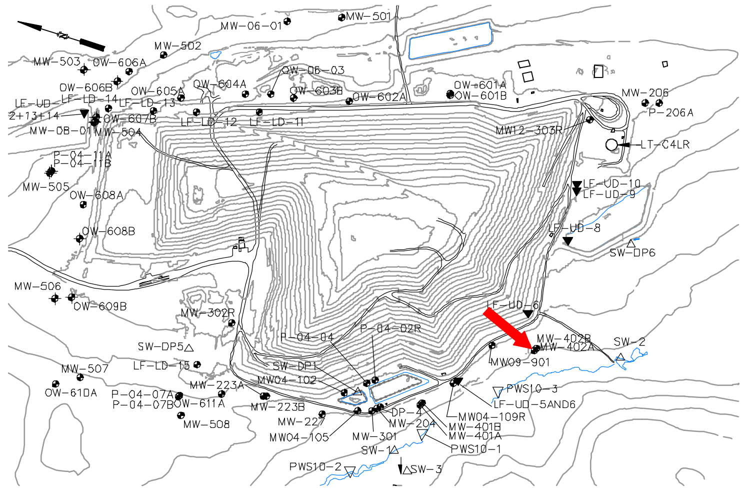
MW-402A
Juniper Ridge Landfill

Well Description



MW-402B monitors water quality within the overburden downgradient of the landfill.

Screen Interval:	**12 ft. to 22 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**07/29/04**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		146	146	148	96	to	246	150	±	2.600	59
pH (STU)		8.2	7.9	7.8	6.9	to	9.2	8.3	±	0.064	59
Temperature (Deg C)		6.9	10.3	10.7	5.2	to	13.8	9.3	±	0.260	59
Water Level Depth (Feet)		2.4	2.85	4.13	2.18	to	5.82	3.5	±	0.110	59
Water Level Elevation (Feet)		150.34	149.89	148.61	146.92	to	150.56	150	±	0.110	59
Water Level Reference Point (Feet)		152.74	152.74	152.74	152.74	to	152.74	150	±	0.000	59
Eh (mV)		436	380	365	11	to	467	250	±	12.000	59
Dissolved Oxygen (mg/L)		0.5	6.5	1	0.1	to	6.8	0.75	±	0.130	59
Well Depth (Feet)				25.2	25.12	to	25.2	25	±	0.006	19
Arsenic (mg/L)		↓0.0075	↓0.0079	↓0.0063	0.0099	to	0.031	0.018	±	0.001	59
Calcium (mg/L)		15	16	13	13	to	22	15	±	0.180	59
Iron (mg/L)		0.08	0.25	0.1	0.02 U	to	0.3	0.051	±	0.006	59
Magnesium (mg/L)		4.7	4.7	4.5	4.5	to	7.4	5	±	0.055	59
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.05	0.039	±	0.002	59
Potassium (mg/L)		0.66	0.67	0.57	0.4	to	2.2	0.72	±	0.035	59
Sodium (mg/L)		8.4	9	7.8	7.6	to	12	8.6	±	0.110	59
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.61	0.36	±	0.015	59
Nitrite/Nitrate - (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2 U	0.16	±	0.074	27
Total Dissolved Solids (mg/L)		88	84	93	64	to	124	94	±	1.400	59
Total Suspended Solids (mg/L)		8.3 U	11	8.3 U	2.5 U	to	35	4.8	±	0.650	59
Sulfate (mg/L)		11	8.9	8.3	2.3	to	44.9	9.1	±	0.650	59
Bicarbonate Alkalinity (CaCO3) (mg/L)		66	64	68	34	to	85	67	±	0.760	59
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to	6.1	1.8	±	0.140	59
Chloride (mg/L)		1.4	1.5	1.2	1	to	26.5	2.4	±	0.500	59
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11	±	0.006	33
Turbidity (field) (NTU)		0.1	0.3	0.2	0	to	3.5	0.47	±	0.100	59

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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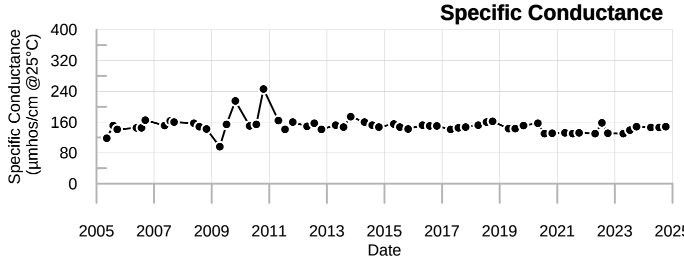
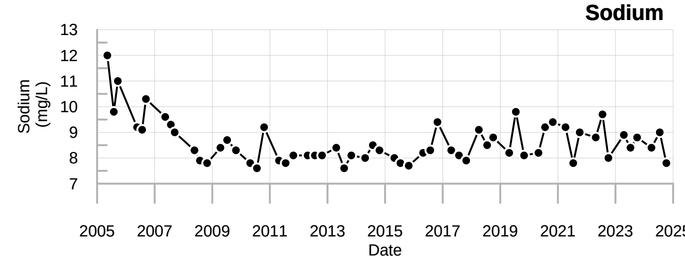
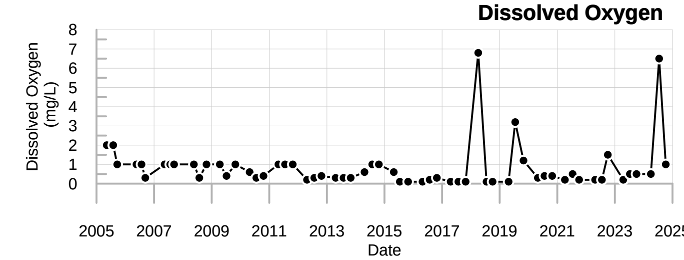
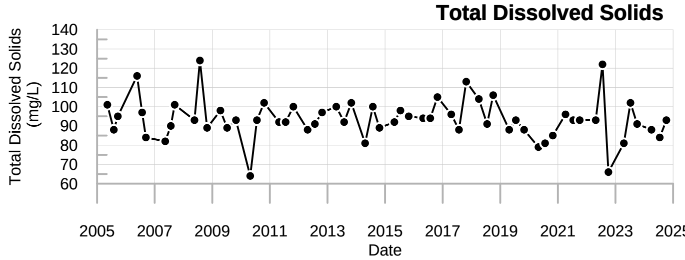
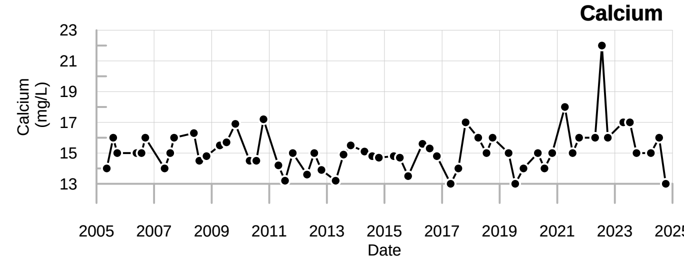
MW-402B

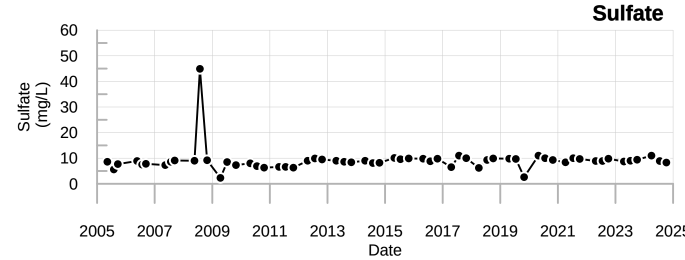


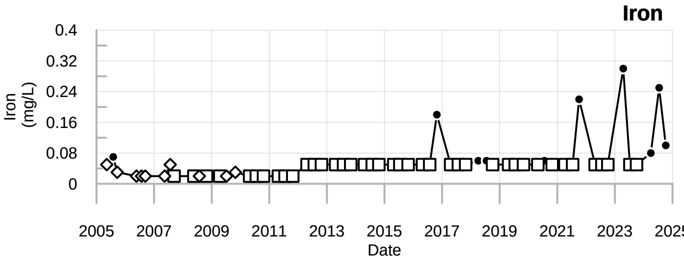


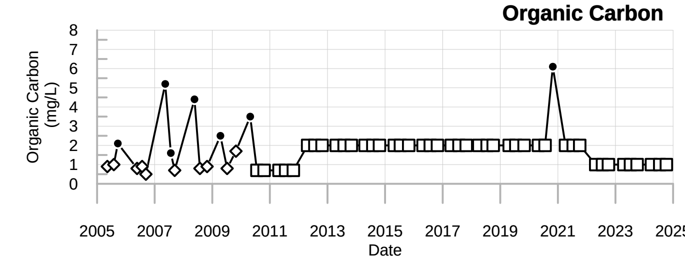


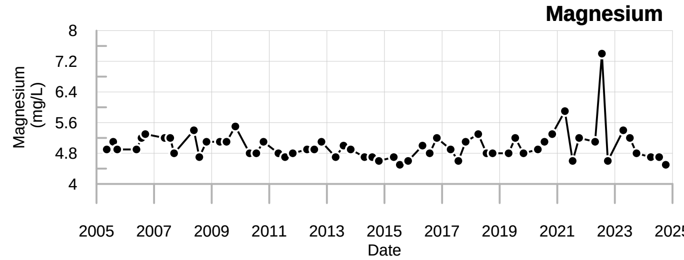


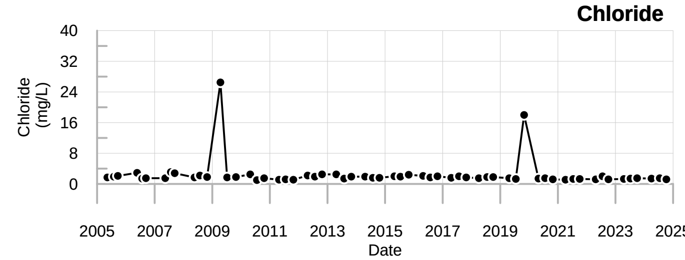


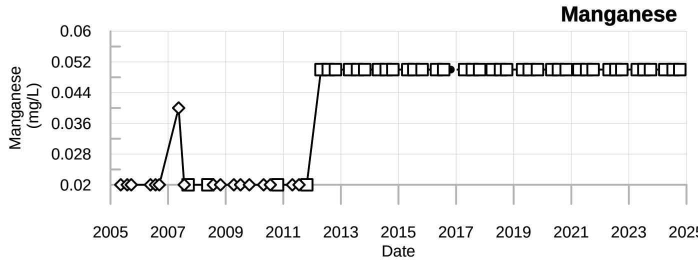


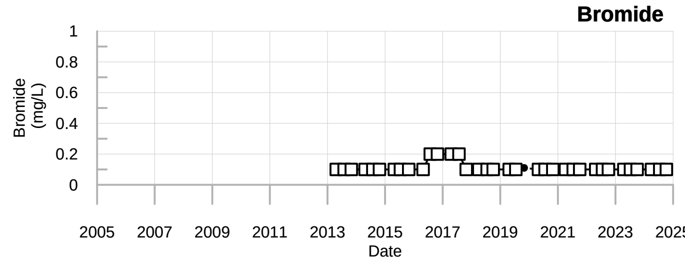












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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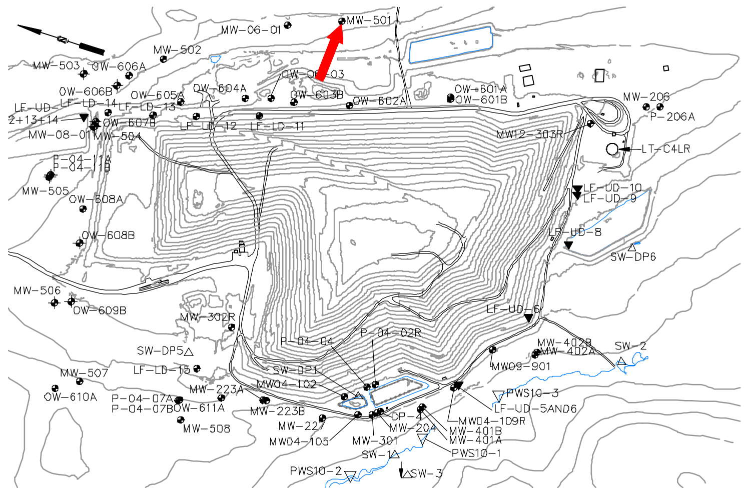
MW-402B

Juniper Ridge Landfill

Well Description

MW-501 monitors bedrock groundwater downgradient and east of the landfill expansion.



Screen Interval:	**57 ft. to 67 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**Apr-18**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		277	294	294	157	to	367	240	±	12.000	19
pH (STU)		6.7	6.9	6.7	6	to	8.8	7.2	±	0.140	19
Temperature (Deg C)		7.8	14.5	9.5	6.5	to	17.2	10	±	0.650	19
Water Level Depth (Feet)		F1	F1	F1	No historical data for Water Level Depth.						
Water Level Reference Point (Feet)		166.19	166.19	166.19	166.19	to	166.19	170	±	0.000	19
Eh (mV)		440	340	459	200	to	553	360	±	20.000	19
Dissolved Oxygen (mg/L)		2.7	5.5	3.9	0.9	to	13.3	5.3	±	0.630	19
Well Depth (Feet)				47.6	47.6	to	47.6	48	±	0.000	5
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.009	0.0056	±	0.000	19
Calcium (mg/L)		39	40	37	21	to	60	37	±	2.200	19
Copper (mg/L)		↑0.03	0.003 U	↑0.0052	0.003 U	to	0.003 U	0.003	±	0.000	10
Iron (mg/L)		0.05 U	0.05 U	↑0.82	0.05 U	to	0.17	0.059	±	0.006	19
Magnesium (mg/L)		6.9	7.4	7.4	4.7	to	9.2	6.8	±	0.320	19
Manganese (mg/L)		↑0.3	0.14	↑**1.2**	0.05 U	to	0.21	0.071	±	0.011	19
Potassium (mg/L)		0.82	0.88	0.85	0.6	to	2.4	0.93	±	0.090	19
Sodium (mg/L)		5.5	5.9	6	3.5	to	6.7	5	±	0.220	19
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	9
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.42	0.25	±	0.012	19
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	±	0.000	10
Nitrite/Nitrate - (N) (mg/L)		0.22	0.2	0.29	0.077	to	0.57	0.3	±	0.027	19
Total Dissolved Solids (mg/L)		198	181	187	105	to	247	170	±	7.900	19
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	4 U	2.6	±	0.079	19
Sulfate (mg/L)		5.7	5.3	4.4	2 U	to	47	6	±	2.300	19
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	10
Alkalinity (CaCO3) (mg/L)		120	120	120	83	to	120	100	±	3.800	12
Organic Carbon (mg/L)		1 U	1.5	1 U	1 U	to	22	3	±	1.100	19
Chloride (mg/L)		12	13	15	2.4	to	24	13	±	1.100	19
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.12	0.1	±	0.001	19
Turbidity (field) (NTU)		0.1	0.1	0.2	0.1	to	3.9	0.65	±	0.240	19
Methane (ug/L)		↓5.4	↓5.2 U	↓5.2 U	20 U	to	20 U	20	±	0.000	9

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.
F1 = Well was flowing

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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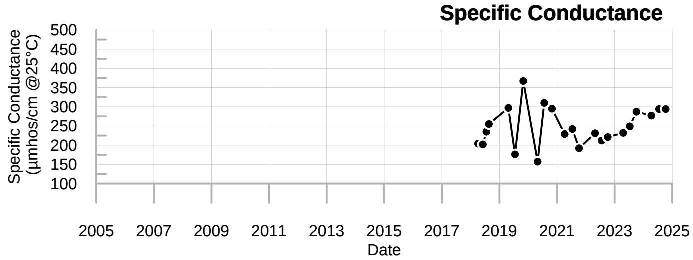
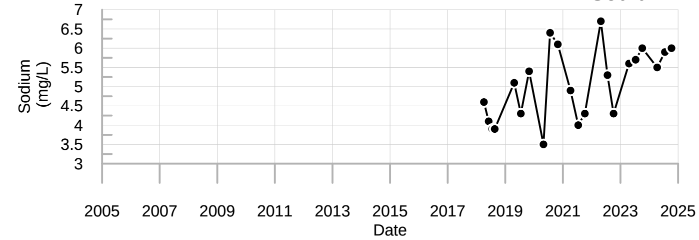
MW-501

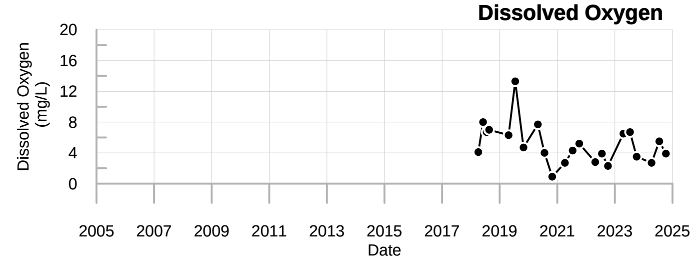
Specific Conductance



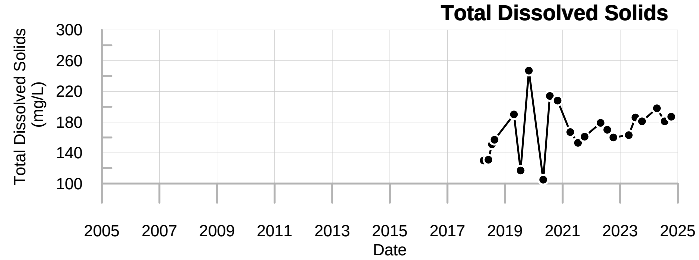
Sodium



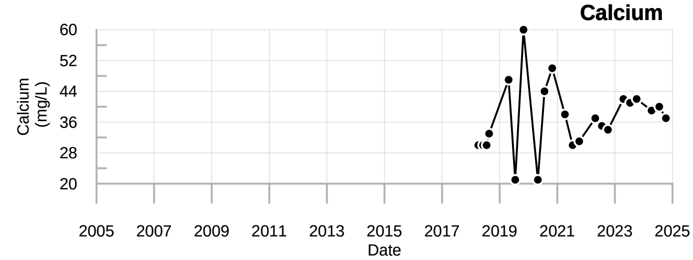
Dissolved Oxygen



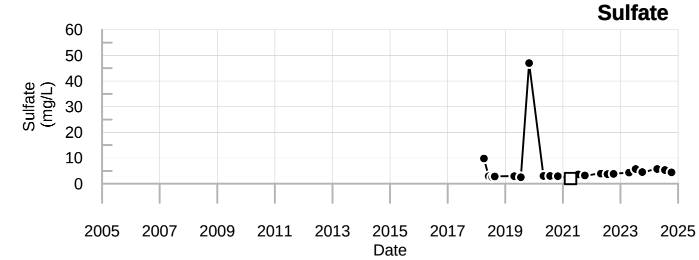
Total Dissolved Solids



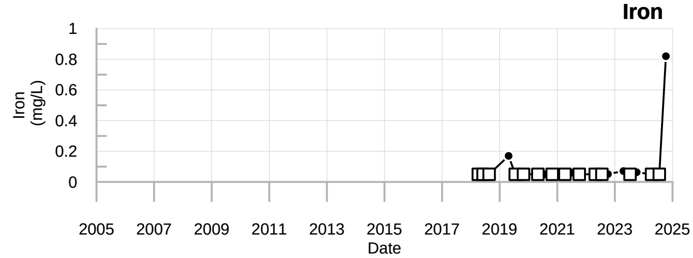
Calcium



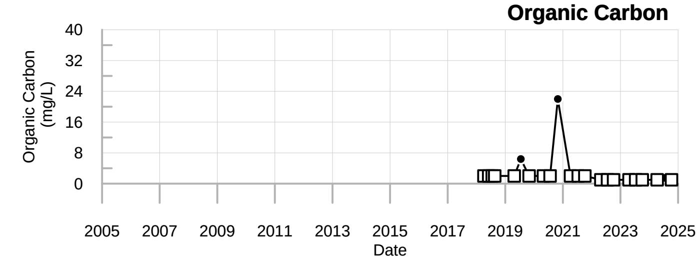
Sulfate



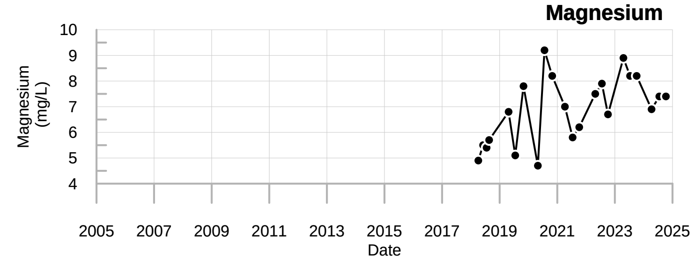
Iron



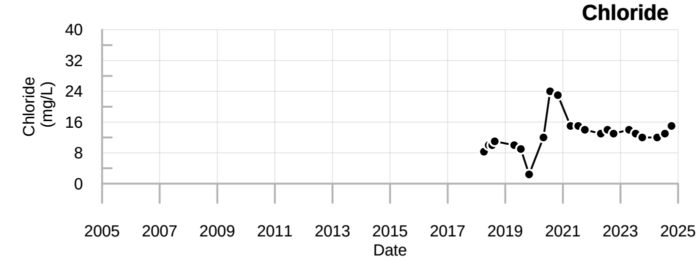
Organic Carbon



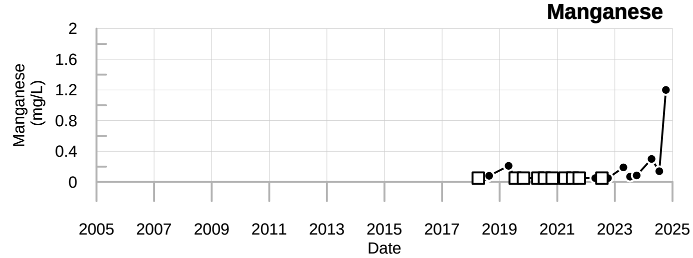
Magnesium



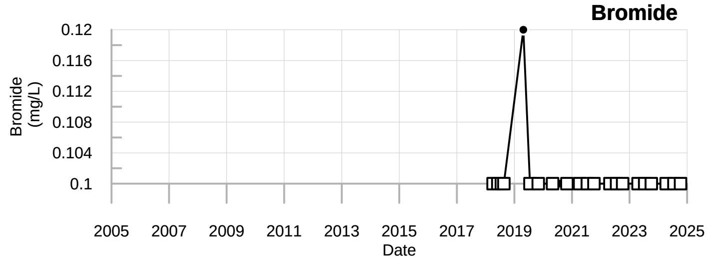
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

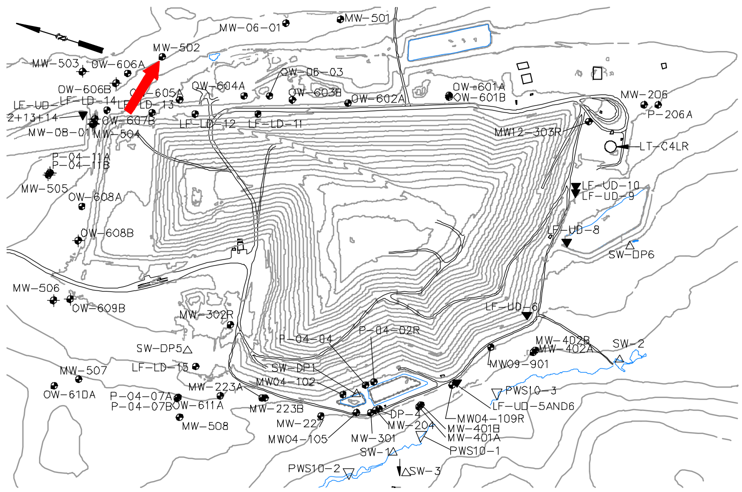
MW-501

Juniper Ridge Landfill

Sevee & Maher Engineers, Inc.

Well Description

MW-502 monitors bedrock groundwater downgradient and east of the landfill expansion.



Screen Interval:	**38 ft. to 43 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**Feb-20**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		319	↓138	330	256	to 389	330	± 10.000	12
pH (STU)		7.6	7.5	7.4	6.6	to 8.4	7.6	± 0.140	12
Temperature (Deg C)		7.3	15.8	8.2	7.2	to 18.7	13	± 1.200	12
Water Level Depth (Feet)		0.08	F1	0.61	0.04	to 0.9	0.28	± 0.140	6
Water Level Elevation (Feet)		160.5		159.97	159.68	to 160.54	160	± 0.140	6
Water Level Reference Point (Feet)		160.58	160.58	160.58	160.58	to 160.58	160	± 0.000	6
Eh (mV)		444	346	463	249	to 492	350	± 21.000	12
Dissolved Oxygen (mg/L)		4.3	5	3.3	1.7	to 7.8	3.5	± 0.510	12
Well Depth (Feet)				46.38	46.38	to 46.38	46	± 0.000	3
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to 0.005 U	0.005	± 0.000	12
Calcium (mg/L)		50	49	49	34	to 69	50	± 3.400	12
Copper (mg/L)		↑0.025	0.003 U	0.003 U	0.003 U	to 0.003 U	0.003	± 0.000	12
Iron (mg/L)		↑0.21	↑0.2	↑0.14	0.05 U	to 0.13	0.057	± 0.007	12
Magnesium (mg/L)		7.1	8	7.5	6.3	to 10	8.3	± 0.370	12
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to 0.2	0.073	± 0.015	12
Potassium (mg/L)		1.1	1.3	1.2	0.9	to 2	1.3	± 0.091	12
Sodium (mg/L)		4.9	↑9.5	5.4	4.8	to 6.3	5.6	± 0.140	12
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to 0.05 U	0.05	± 0.000	8
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to 0.75	0.29	± 0.048	12
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to 0.5 U	0.5	± 0.000	12
Nitrite/Nitrate - (N) (mg/L)		0.2	0.05 U	0.12	0.05 U	to 0.26	0.16	± 0.020	12
Total Dissolved Solids (mg/L)		215	201	200	166	to 250	200	± 8.600	12
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to 4	2.8	± 0.170	12
Sulfate (mg/L)		4.6	4.4	4.5	2 U	to 4.9	4	± 0.220	12
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to 0.1 U	0.1	± 0.000	12
Alkalinity (CaCO3) (mg/L)		140	140	150	110	to 200	150	± 9.200	12
Organic Carbon (mg/L)		1 U	1 U	1 U	1 U	to 2 U	1.5	± 0.150	12
Chloride (mg/L)		20	19	15	13	to 21	18	± 0.720	12
Bromide (mg/L)		0.22	0.23	0.2	0.14	to 0.33	0.22	± 0.019	12
Turbidity (field) (NTU)		0.2	0.1	0.2	0.1	to 1.2	0.43	± 0.096	12
Methane (ug/L)		↓5.2 U	↓5.2 U	↓5.2 U	20 U	to 190	43	± 21.000	8

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

F1 = Well was flowing

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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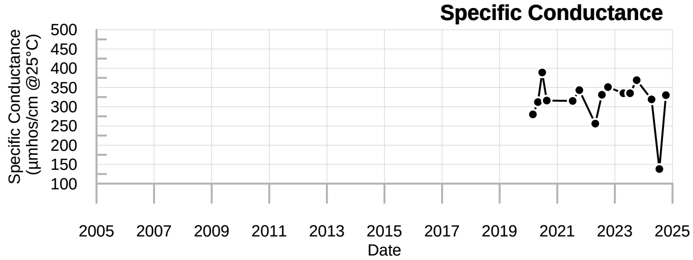
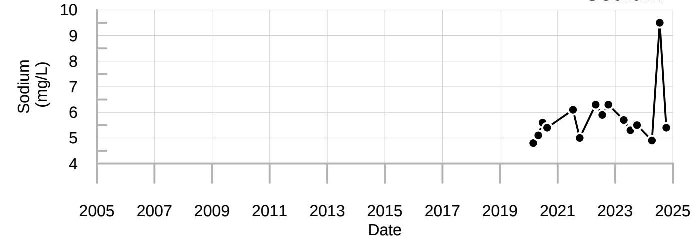
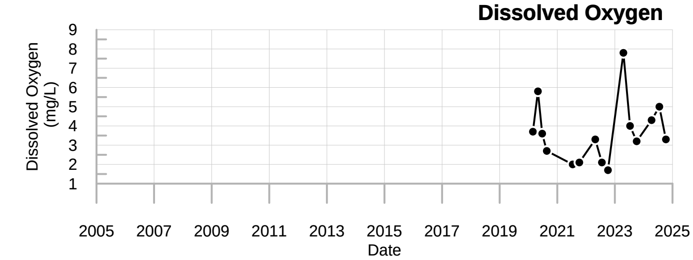
Specific Conductance



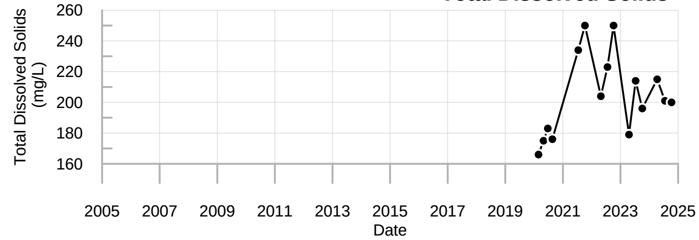
Sodium



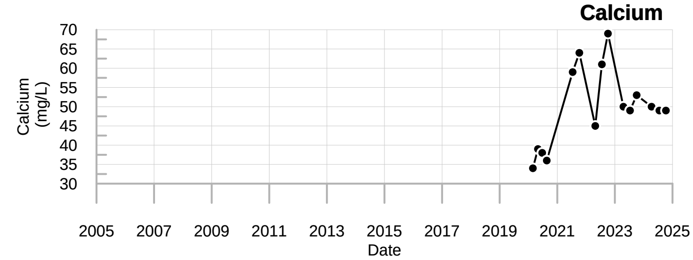
Dissolved Oxygen



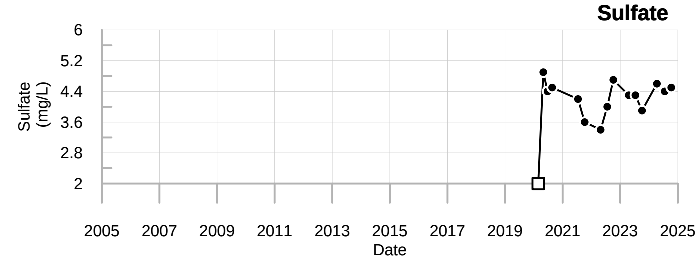
Total Dissolved Solids



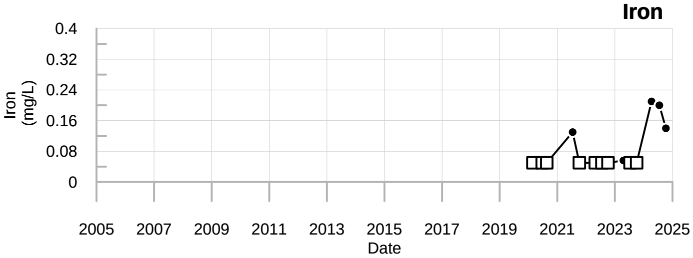
Calcium



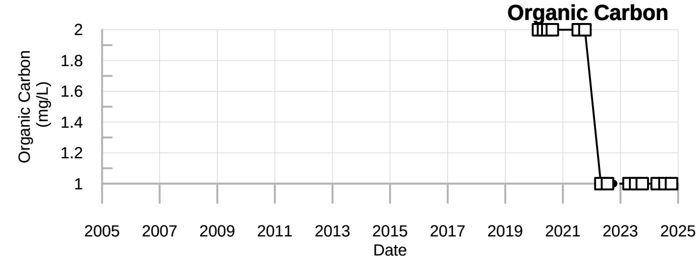
Sulfate



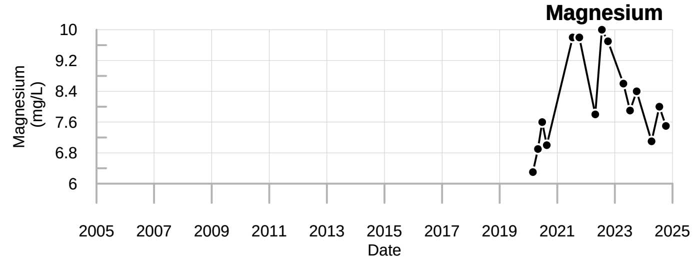
Iron



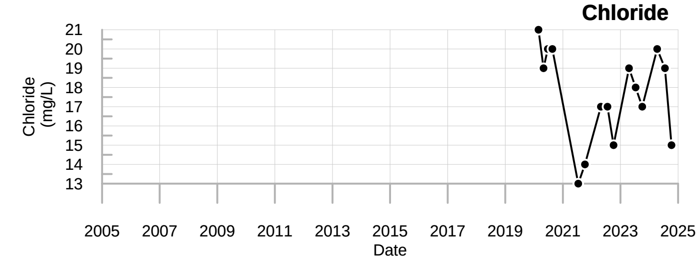
Organic Carbon



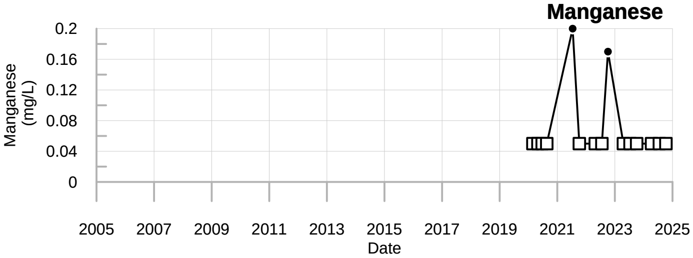
Magnesium



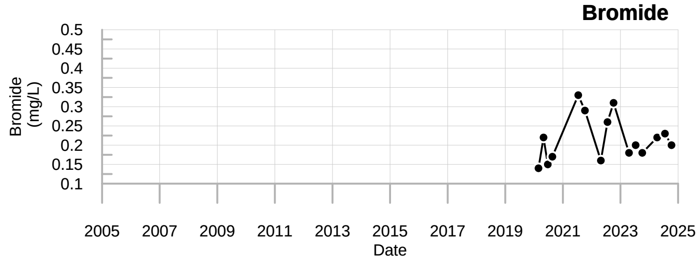
Chloride



Manganese



Bromide



LEGEND

☐ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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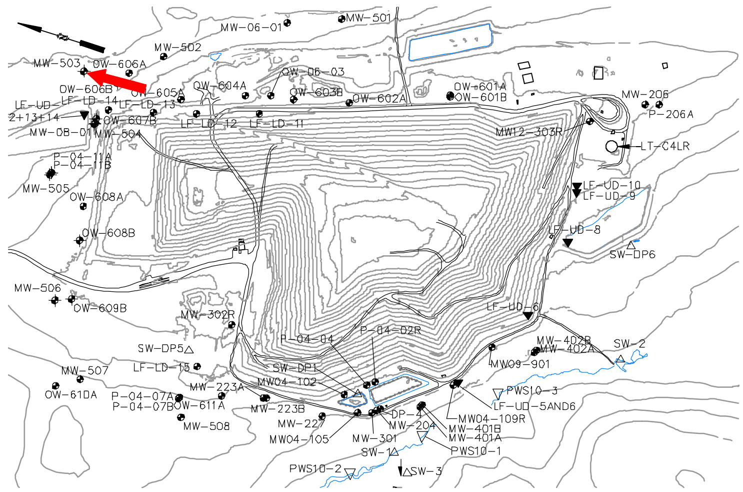
MW-502

Juniper Ridge Landfill

Well Description

MW-503 monitors bedrock groundwater downgradient of and north of the landfill expansion.



Screen Interval:	**60 ft. to 70 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**2/9/2021**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		228	230	216	138	to	240	200	±	7.600	11
pH (STU)		7.9	7.8	6.9	6.6	to	7.9	7.4	±	0.097	11
Temperature (Deg C)		7.4	↑15.1	9.7	5.7	to	14.8	10	±	0.810	11
Water Level Depth (Feet)		F1	F1	F1	0	to	0	0	±	0.000	1
Water Level Reference Point (Feet)		163.715	163.715	163.715	163.715	to	163.715	160	±	0.000	1
Eh (mV)		442	361	450	233	to	590	360	±	28.000	11
Dissolved Oxygen (mg/L)		4.2	5.5	2.7	1.2	to	6.5	3.2	±	0.500	11
Well Depth (Feet)				73.02	73.02	to	73.02	73	±	0.000	3
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.0052	0.005	±	0.000	11
Calcium (mg/L)		28	29	↓24	25	to	37	31	±	0.950	11
Copper (mg/L)		↑0.019	0.0038	0.003 U	0.003 U	to	0.0041	0.0031	±	0.000	11
Iron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	11
Magnesium (mg/L)		6.5	7.1	↓5.9	6.5	to	9.4	7.6	±	0.240	11
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	11
Potassium (mg/L)		0.89	1.5	↓0.77	0.8	to	2	1.1	±	0.110	11
Sodium (mg/L)		5.5	↑9.9	4.9	4.9	to	7.3	5.9	±	0.250	11
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	11
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2	0.2 U	0.2 U	to	0.58	0.27	±	0.036	11
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	±	0.000	11
Nitrite/Nitrate - (N) (mg/L)		0.087	↓0.077	↓0.074	0.083	to	0.15	0.11	±	0.007	11
Total Dissolved Solids (mg/L)		155	136	135	134	to	250	160	±	9.800	11
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	4 U	2.6	±	0.140	11
Sulfate (mg/L)		9.4	9.8	8.5	6.8	to	12	7.9	±	0.450	11
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	11
Alkalinity (CaCO3) (mg/L)		93	↓77	86	83	to	120	98	±	3.700	11
Organic Carbon (mg/L)		1 U	1 U	1 U	1 U	to	2 U	1.5	±	0.160	11
Chloride (mg/L)		11	16	11	6.1	to	17	11	±	1.200	11
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	11
Turbidity (field) (NTU)		0.3	↓0.1	0.2	0.2	to	1.1	0.44	±	0.100	11
Methane (ug/L)		↓5.2 U	↓5.2 U	↓5.2 U	20 U	to	20 U	20	±	0.000	11

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

F1 = Well was flowing

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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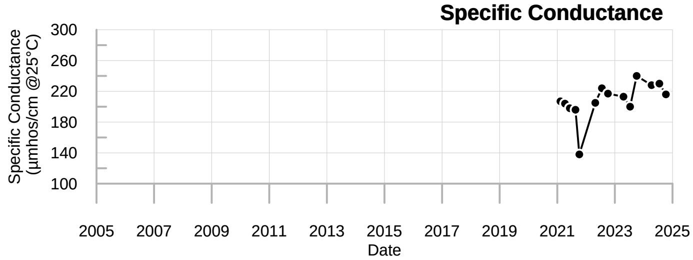
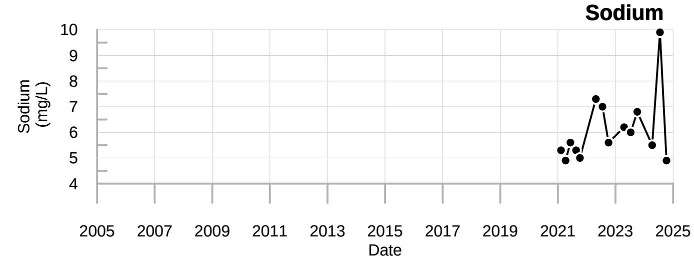
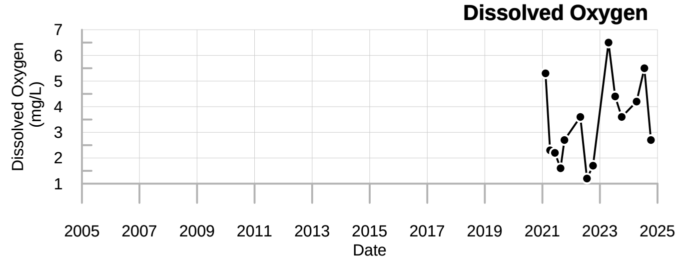
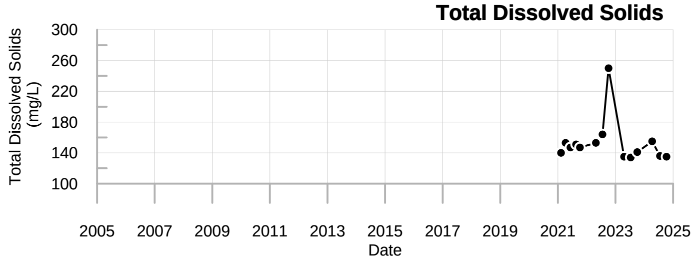
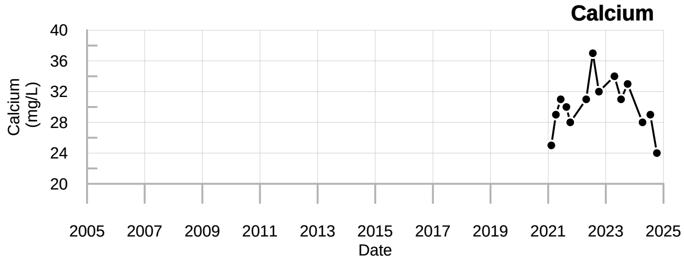
MW-503

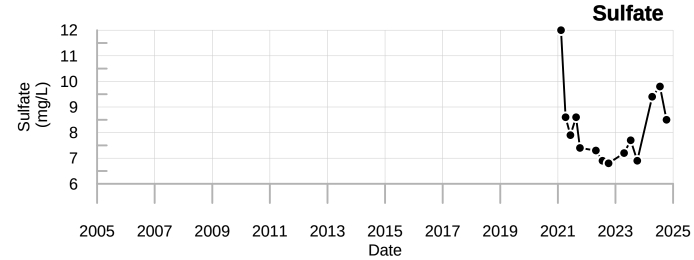


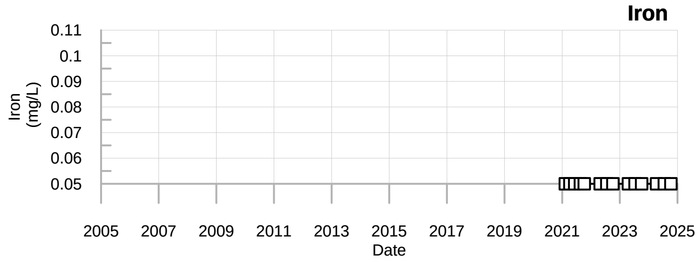


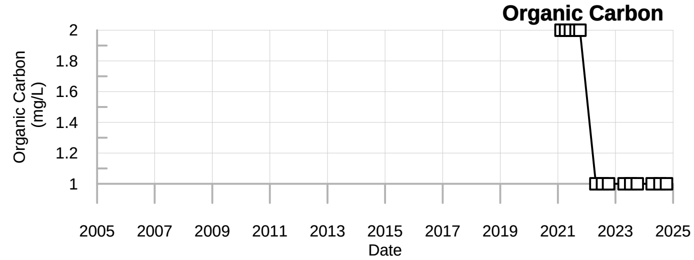


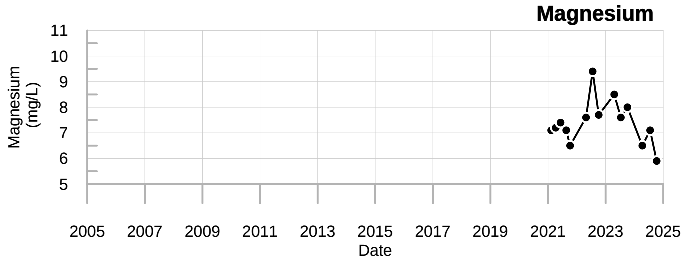


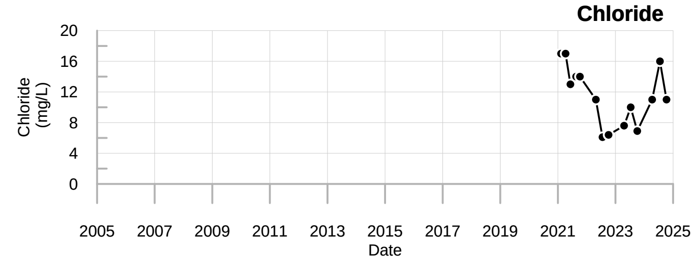


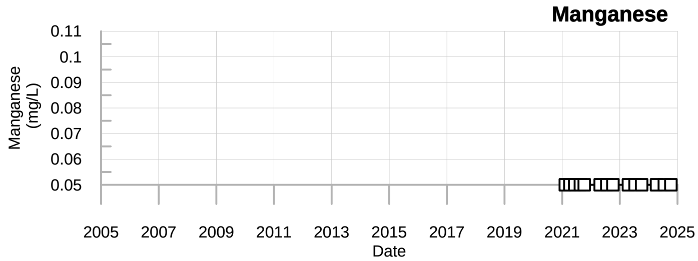


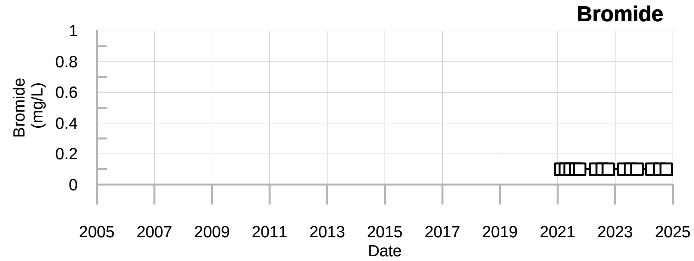












LEGEND

☐ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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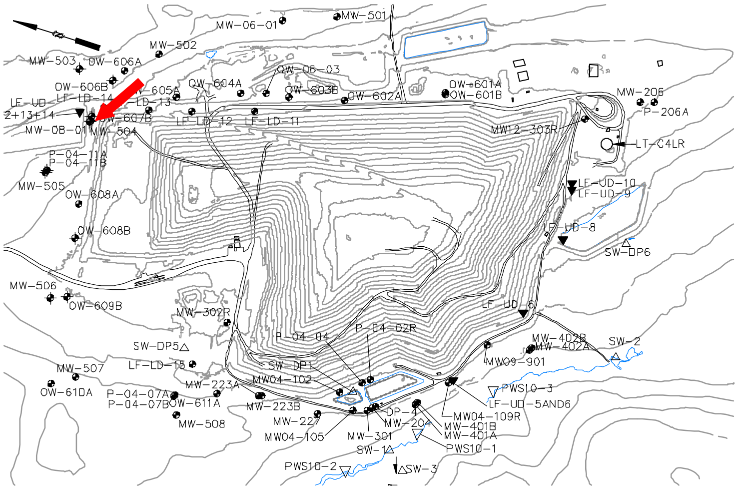
MW-503
Juniper Ridge Landfill

Well Description

MW-504 monitors bedrock groundwater downgradient of and north of the landfill expansion.



Screen Interval:	**71.5 ft. to 81.5 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**2/9/2021**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024				Historical (11/1/1990 - 12/31/2023)				
	Q1	Q2	Q3	Q4	Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		132	111	136	103	to 139	120	± 4.200	10
pH (STU)		7.8	↓6.9	↓7	7.3	to 8.4	7.8	± 0.110	10
Temperature (Deg C)		7.2	18.6	12.5	5.9	to 19.4	11	± 1.200	10
Water Level Depth (Feet)		25.71	25.52	26.33	18	to 26.8	22	± 1.300	10
Water Level Elevation (Feet)		156.84	157.03	156.22	155.75	to 157.609	160	± 0.210	10
Water Level Reference Point (Feet)		182.55	182.55	182.55	175.609	to 182.55	180	± 1.200	10
Eh (mV)		432	344	451	156	to 465	280	± 30.000	10
Dissolved Oxygen (mg/L)		7.9	4.2	3.5	2.8	to 8.1	5.9	± 0.580	10
Well Depth (Feet)				↑92.24	84.38	to 84.38	84	± 0.000	2
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to 0.01	0.0057	± 0.001	10
Calcium (mg/L)		14	13	13	12	to 16	15	± 0.370	10
Copper (mg/L)		0.011	0.0043	0.003 U	0.003 U	to 0.015	0.0042	± 0.001	10
Iron (mg/L)		0.05 U	0.13	0.05 U	0.05 U	to 6	0.68	± 0.590	10
Magnesium (mg/L)		4.1	4.3	4.2	3.6	to 5.8	4.5	± 0.200	10
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to 0.89	0.15	± 0.083	10
Potassium (mg/L)		↓0.75	0.95	↓0.73	0.78	to 2	1.2	± 0.130	10
Sodium (mg/L)		↓5.5	9.2	5.8	5.7	to 12	7.4	± 0.640	10
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to 0.05 U	0.05	± 0.000	10
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to 1.8	0.51	± 0.190	10
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to 0.5 U	0.5	± 0.000	10
Nitrite/Nitrate - (N) (mg/L)		0.078	0.05 U	0.069	0.05 U	to 0.22	0.089	± 0.015	10
Total Dissolved Solids (mg/L)		103	88	91	15	to 112	86	± 8.500	10
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to 110	22	± 10.000	10
Sulfate (mg/L)		7.6	6.9	7.1	5.4	to 14	6.8	± 0.810	10
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to 0.2 U	0.11	± 0.010	10
Alkalinity (CaCO3) (mg/L)		64	59	64	58	to 66	62	± 0.980	10
Organic Carbon (mg/L)		1 U	1 U	1 U	1 U	to 2 U	1.5	± 0.170	10
Chloride (mg/L)		1.3	1.3	1.2	1.1	to 3.2	1.4	± 0.200	10
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to 0.1 U	0.1	± 0.000	10
Turbidity (field) (NTU)		0.5	0.8	0.6	0.5	to 3.9	2.3	± 0.460	10
Methane (ug/L)		↓5.2 U	↓5.2 U	↓5.2 U	20 U	to 20 U	20	± 0.000	10

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

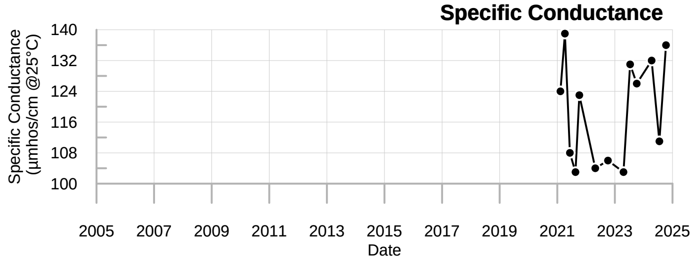
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

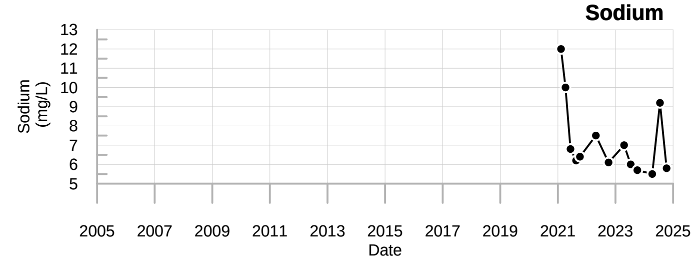
SME SEVEE & MAHER ENGINEERS

MW-504

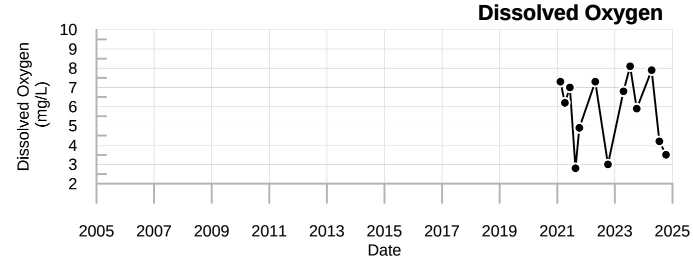
Specific Conductance



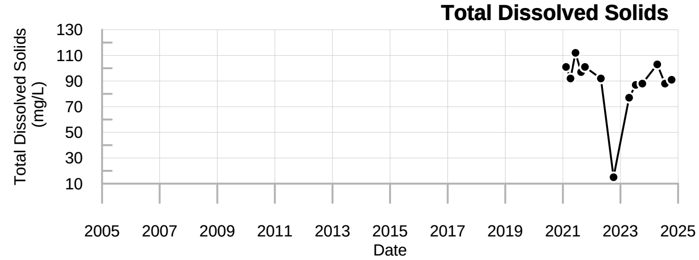
Sodium



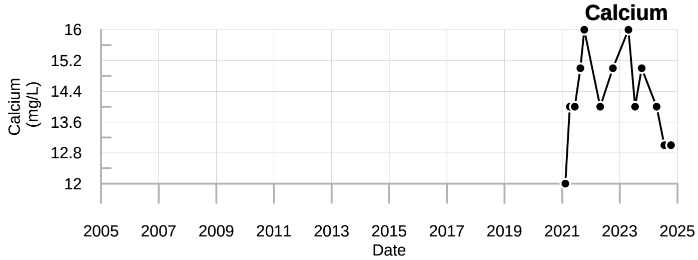
Dissolved Oxygen



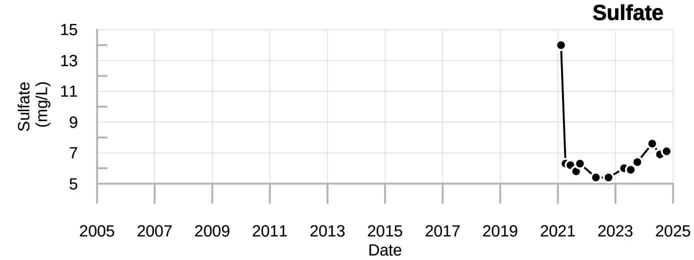
Total Dissolved Solids



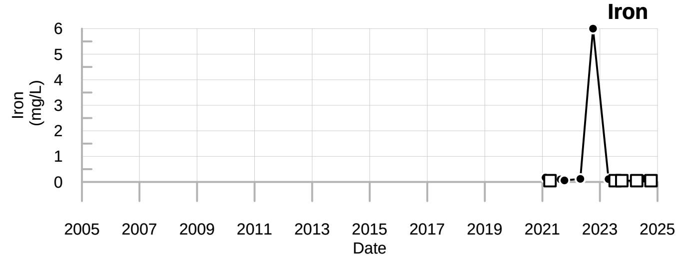
Calcium



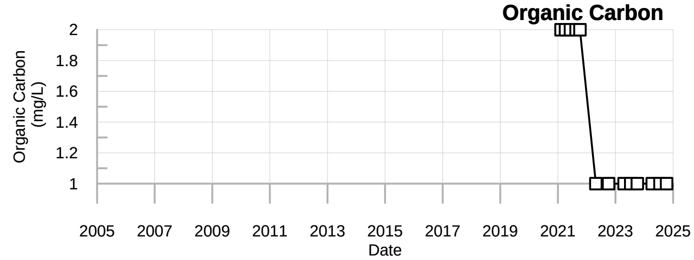
Sulfate



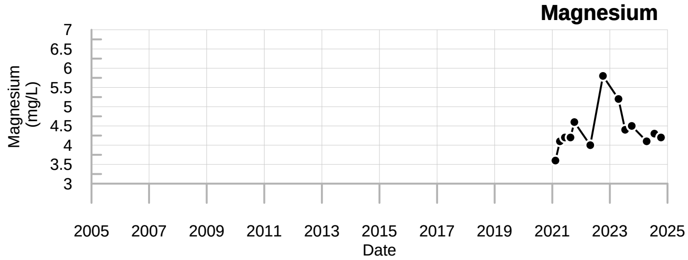
Iron



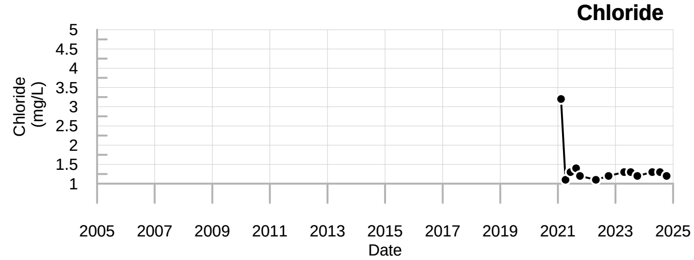
Organic Carbon



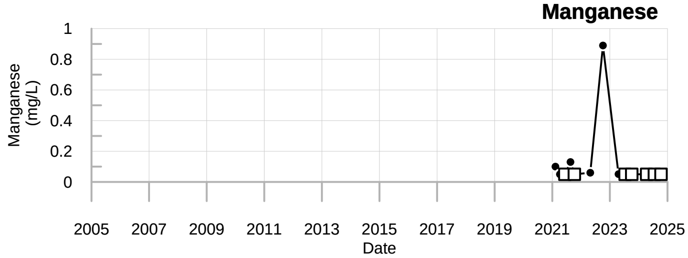
Magnesium



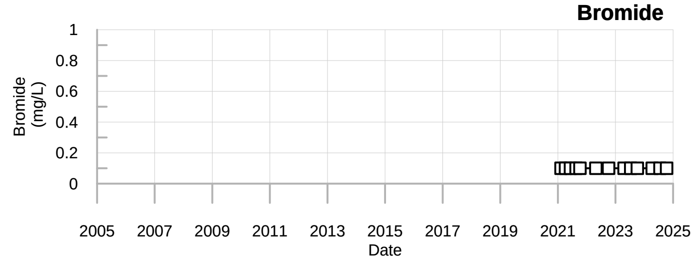
Chloride



Manganese



Bromide



LEGEND

☐ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

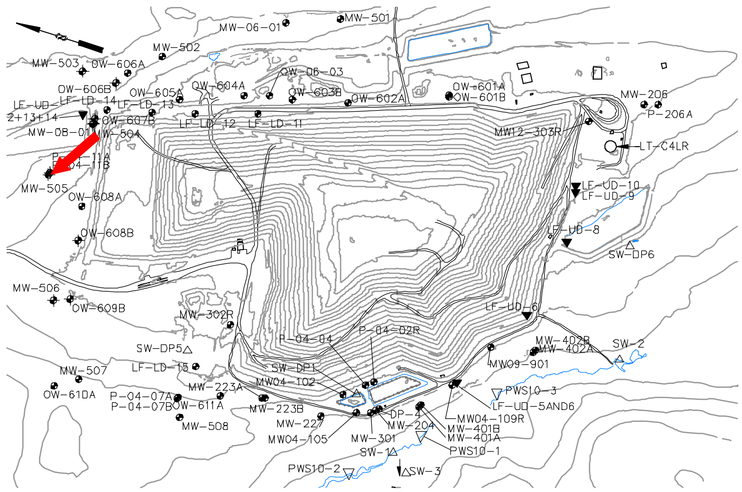
SME SEVEE & MAHER ENGINEERS

MW-504
Juniper Ridge Landfill

Sevee & Maher Engineers, Inc.

Well Description

MW-505 monitors bedrock groundwater downgradient of and north of the landfill expansion.



Screen Interval:	**72.2 ft. to 82.2 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**2/10/2021**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		210	230	222	210	to	329	250	±	12.000	11
pH (STU)		7.9	7.2	6.9	6.9	to	7.9	7.5	±	0.098	11
Temperature (Deg C)		7.1	↑15.2	10.6	5.1	to	13.3	9.8	±	0.800	11
Water Level Depth (Feet)		13.58	16.15	↑19.64	11.78	to	18.53	15	±	0.660	11
Water Level Elevation (Feet)		172.96	170.39	↓166.9	168.01	to	174.76	170	±	0.660	11
Water Level Reference Point (Feet)		186.54	186.54	186.54	186.54	to	186.54	190	±	0.000	11
Eh (mV)		187	230	↑438	25	to	396	170	±	40.000	11
Dissolved Oxygen (mg/L)		0.7	1.6	2.4	0.3	to	4.3	1.3	±	0.360	11
Well Depth (Feet)				↑84.9	84.8	to	84.8	85	±	0.000	3
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.011	0.0061	±	0.001	11
Calcium (mg/L)		19	20	17	17	to	22	20	±	0.400	11
Copper (mg/L)		↑0.093	0.003 U	0.003 U	0.003 U	to	0.0032	0.003	±	0.000	11
Iron (mg/L)		0.27	0.17	0.19	0.1	to	0.9	0.28	±	0.070	11
Magnesium (mg/L)		6.2	7	6	5.9	to	7.5	6.8	±	0.160	11
Manganese (mg/L)		↓0.14	0.18	↓0.15	0.16	to	0.73	0.37	±	0.060	11
Potassium (mg/L)		1.1	1.3	↓0.97	1	to	1.9	1.3	±	0.073	11
Sodium (mg/L)		↓15	**<u>25</u>**	↓15	18	to	55	29	±	3.300	11
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	11
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.29	0.23	±	0.010	11
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	±	0.000	11
Nitrite/Nitrate - (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.16	0.065	±	0.010	11
Total Dissolved Solids (mg/L)		143	146	136	63	to	237	170	±	14.000	11
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	4	2.8	±	0.180	11
Sulfate (mg/L)		↓20	36	21	21	to	55	37	±	3.500	11
Sulfide (mg/L)		0.19	0.28	0.19	0.1 U	to	0.61	0.24	±	0.045	11
Alkalinity (CaCO3) (mg/L)		89	↓82	↓87	88	to	110	94	±	1.800	11
Organic Carbon (mg/L)		1.3	1.8	1.5	1.2	to	3.5	1.9	±	0.200	11
Chloride (mg/L)		↓1.9	2.5	↓2	2.1	to	22	7.5	±	1.800	11
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	11
Turbidity (field) (NTU)		0.3	0.3	0.8	0.3	to	6.4	1.5	±	0.610	11
Methane (ug/L)		↓5.2 U	↓5.2 U	↓5.2 U	20 U	to	20 U	20	±	0.000	11

<u>underlined/bold</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

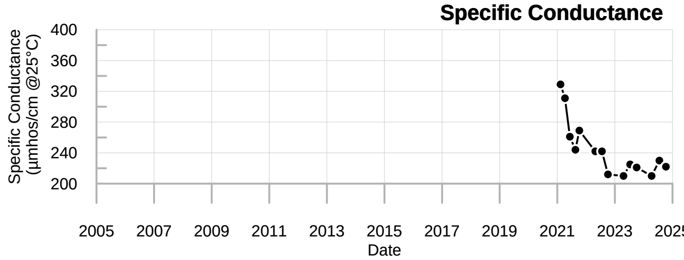
U = Not Detected above the laboratory reporting limit.

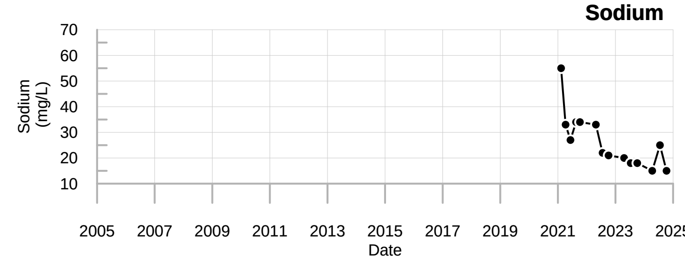
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

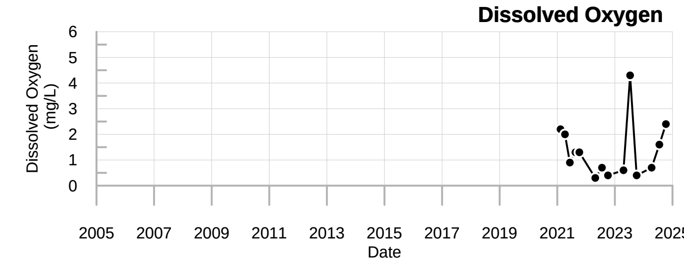
Data Group: 245
Printed: 4/16/2025 11:25

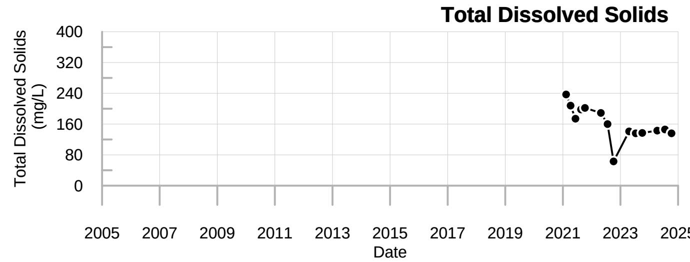
SME SEVEE & MAHER ENGINEERS

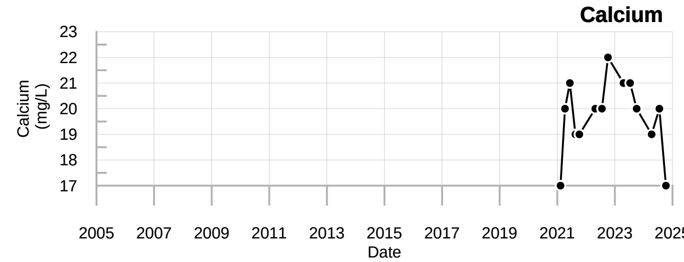
MW-505

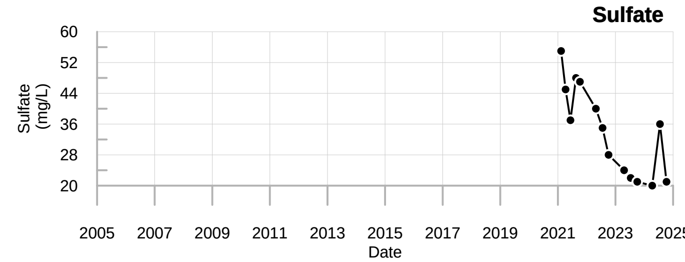


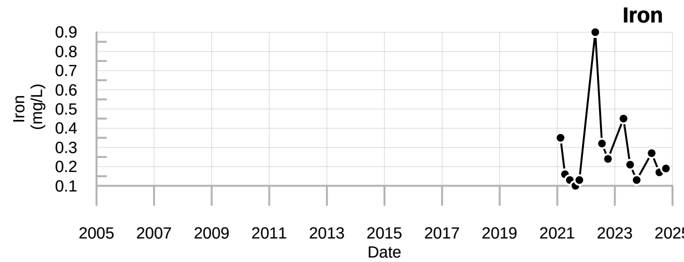


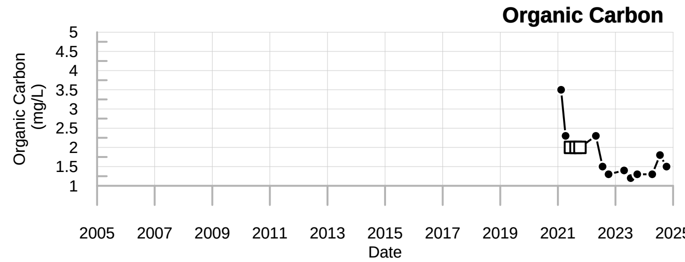


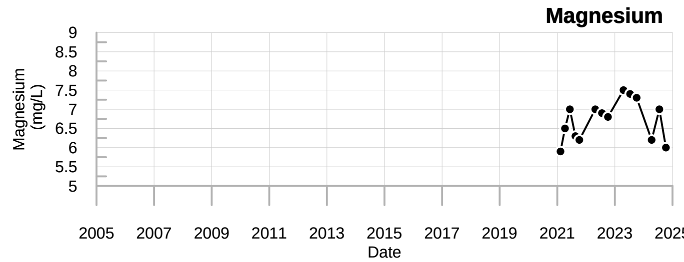


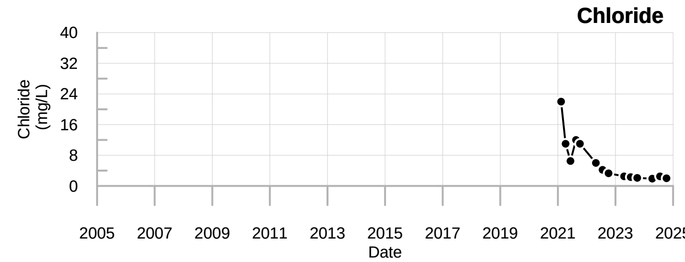


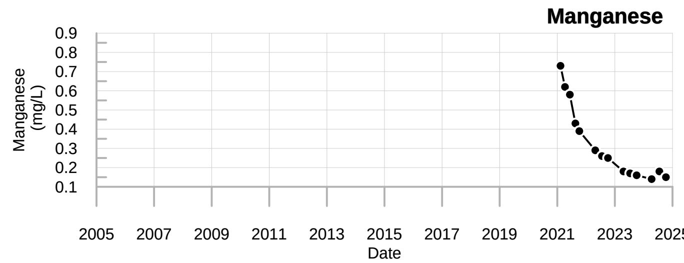


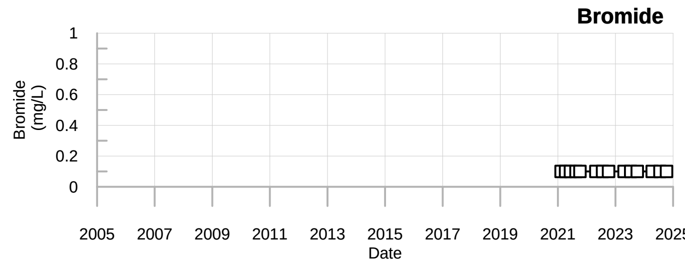












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

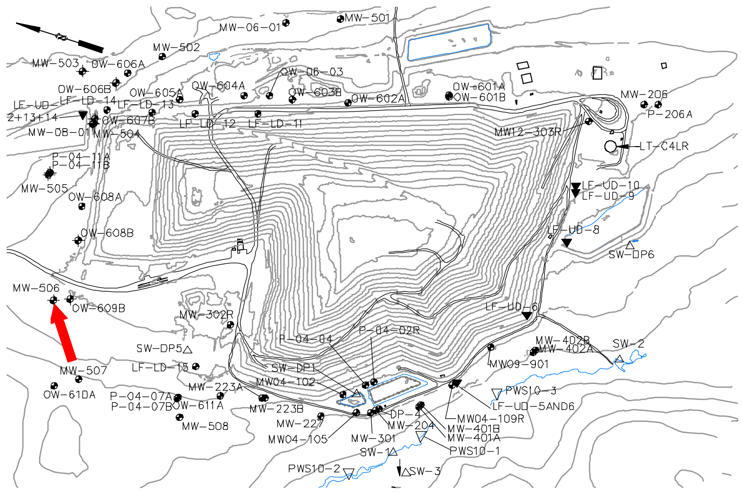
SME
SEVEE & MAHER ENGINEERS

MW-505

Juniper Ridge Landfill

Well Description

MW-506 monitors bedrock groundwater downgradient of and northwest of the landfill expansion.



Screen Interval:	**50 ft. to 60 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**2/18/2021**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		!	!	!	319	to	837	580	±	54.000	11
pH (STU)		!	!	!	7.2	to	8.8	7.8	±	0.140	11
Temperature (Deg C)		!	!	!	5.1	to	16.8	11	±	1.000	11
Water Level Depth (Feet)		↓10	↓4.8	33.2	25.5	to	33.56	28	±	0.650	12
Water Level Elevation (Feet)		↑188.758	↑193.958	165.558	165.198	to	173.258	170	±	0.650	12
Water Level Reference Point (Feet)		198.758	198.758	198.758	198.758	to	198.758	200	±	0.000	12
Eh (mV)		!	!	!	28	to	254	95	±	24.000	11
Dissolved Oxygen (mg/L)		!	!	!	0.9	to	4.7	2.5	±	0.350	11
Well Depth (Feet)				↓64.72	64.75	to	64.75	65	±	0.000	3
Arsenic (mg/L)		!	!	!	0.005 U	to	0.01	0.0071	±	0.001	11
Calcium (mg/L)		!	!	!	15	to	34	23	±	1.900	11
Copper (mg/L)		!	!	!	0.003 U	to	0.015	0.0046	±	0.001	11
Iron (mg/L)		!	!	!	0.11	to	2.1	0.52	±	0.170	11
Magnesium (mg/L)		!	!	!	7	to	8.7	7.6	±	0.150	11
Manganese (mg/L)		!	!	!	0.16	to	1.1	0.56	±	0.097	11
Potassium (mg/L)		!	!	!	0.86	to	2.6	1.5	±	0.150	11
Sodium (mg/L)		!	!	!	46	to	200	99	±	13.000	11
Boron (mg/L)		!	!	!	0.05 U	to	0.069	0.053	±	0.002	11
Total Kjeldahl Nitrogen (mg/L)		!	!	!	0.2 U	to	3.8	0.89	±	0.340	11
Ammonia (N) (mg/L)		!	!	!	0.5 U	to	0.5 U	0.5	±	0.000	11
Nitrite/Nitrate - (N) (mg/L)		!	!	!	0.05 U	to	0.27	0.084	±	0.021	11
Total Dissolved Solids (mg/L)		!	!	!	193	to	802	420	±	56.000	11
Total Suspended Solids (mg/L)		!	!	!	2.5 U	to	130	36	±	12.000	11
Sulfate (mg/L)		!	!	!	2 U	to	340	120	±	28.000	11
Sulfide (mg/L)		!	!	!	0.1 U	to	1.5	0.49	±	0.130	11
Alkalinity (CaCO3) (mg/L)		!	!	!	120	to	140	130	±	2.100	11
Organic Carbon (mg/L)		!	!	!	2.8	to	25	12	±	2.000	11
Chloride (mg/L)		!	!	!	4	to	57	19	±	5.200	11
Bromide (mg/L)		!	!	!	0.1 U	to	0.5 U	0.15	±	0.039	11
Turbidity (field) (NTU)		!	!	!	0.8	to	15.2	6.4	±	1.300	11
Methane (ug/L)		!	!		20 U	to	20 U	20	±	0.000	11

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

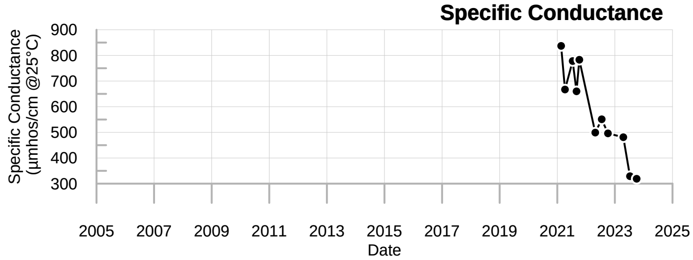
! = The sampling location was damaged or destroyed.

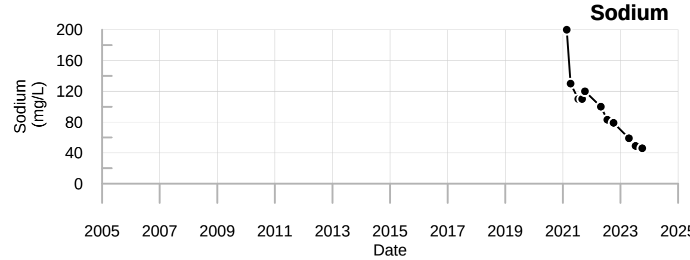
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

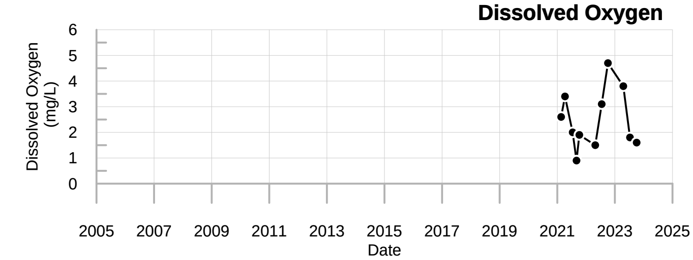
Data Group: 245
Printed: 4/16/2025 11:25

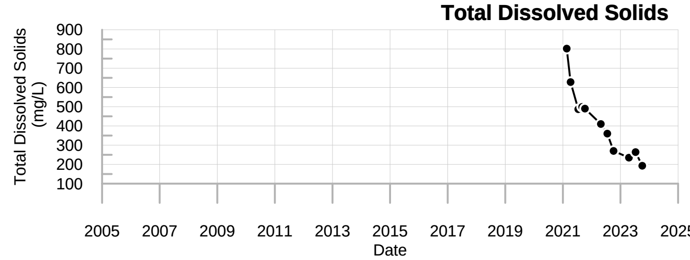
SME SEVEE & MAHER ENGINEERS

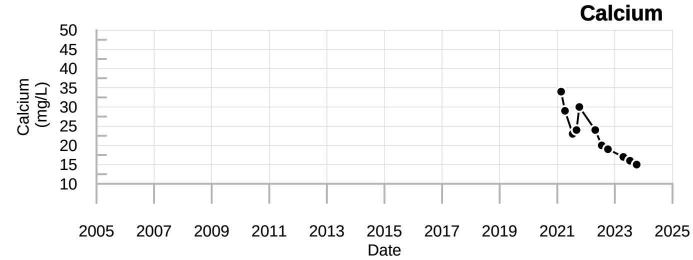
MW-506

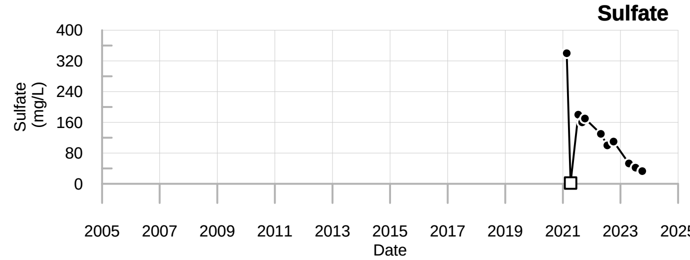


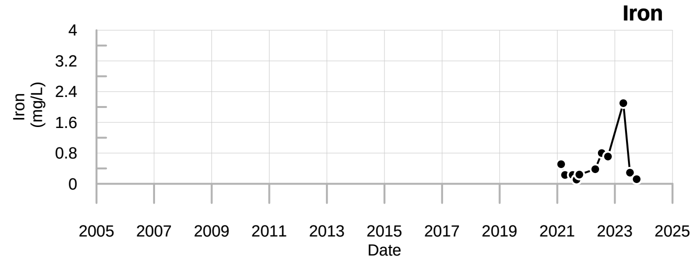


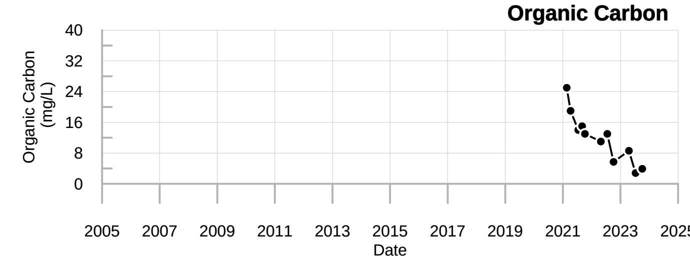


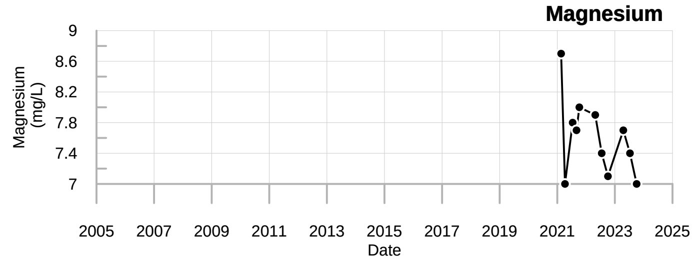


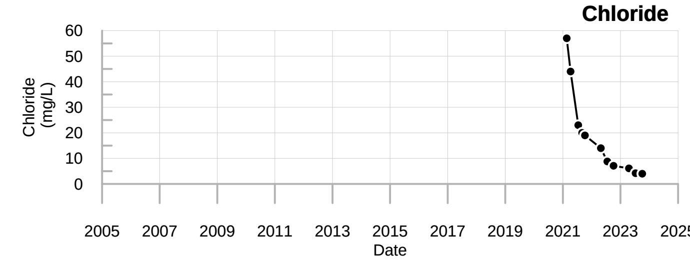


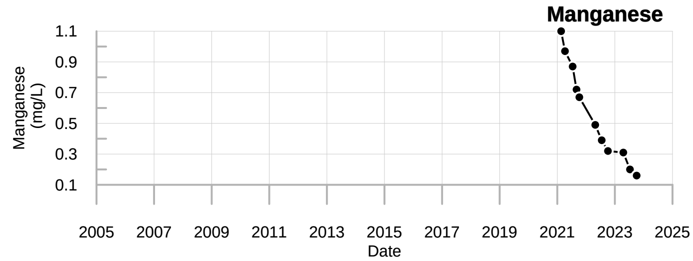


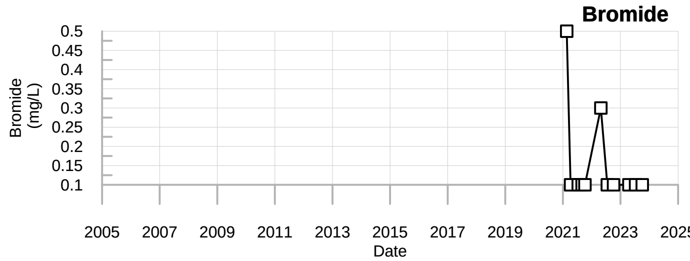












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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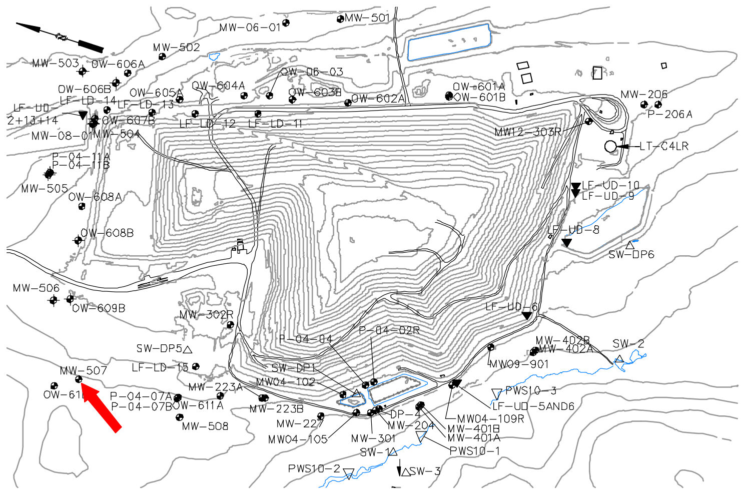
MW-506
Juniper Ridge Landfill

Well Description

MW-507 monitors bedrock groundwater downgradient and west of the landfill expansion.



Screen Interval:

Sampled:	**2 Times Annually**
Sampled Since:	**Apr-18**
Material Screened:	**Bedrock (Open Borehole)**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		192	297	303	90	to	324	230	±	20.000	12
pH (STU)		7	6.7	↓6.3	6.6	to	8	7.1	±	0.140	12
Temperature (Deg C)		6.7	11.4	11.3	4.1	to	13.9	10	±	0.830	12
Water Level Depth (Feet)		3.3	5.22	↑9.1	2.14	to	7.52	4	±	0.510	12
Water Level Elevation (Feet)		173.53	171.61	↓167.73	169.31	to	174.69	170	±	0.510	12
Water Level Reference Point (Feet)		176.83	176.83	176.83	176.83	to	176.83	180	±	0.000	12
Eh (mV)		266	304	297	206	to	427	280	±	16.000	12
Dissolved Oxygen (mg/L)		5.3	2.1	↓1	2	to	7.1	4.9	±	0.460	12
Well Depth (Feet)				35	35	to	35	35	±	0.000	2
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.007	0.0052	±	0.000	12
Calcium (mg/L)		26	42	41	16	to	52	32	±	3.100	12
Copper (mg/L)		↑0.0091	0.003 U	0.003 U	0.003 U	to	0.003 U	0.003	±	0.000	10
Iron (mg/L)		0.33	↑1.2	0.37	0.05 U	to	0.97	0.37	±	0.094	12
Magnesium (mg/L)		3.2	5.7	5.6	2.2	to	6.6	4	±	0.410	12
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	12
Potassium (mg/L)		↓0.45	0.67	0.65	0.46	to	1.1	0.63	±	0.061	12
Sodium (mg/L)		2.6	5	4.9	2	to	6.4	3.6	±	0.350	12
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	8
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.37	0.24	±	0.014	12
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	±	0.000	10
Nitrite/Nitrate - (N) (mg/L)		0.05 U	0.05 U	0.051	0.05 U	to	0.21	0.076	±	0.013	12
Total Dissolved Solids (mg/L)		139	202	203	65	to	451	170	±	30.000	12
Total Suspended Solids (mg/L)		↑8.3 U	↑8.3 U	↑8.3 U	2.5 U	to	4.7	2.8	±	0.210	12
Sulfate (mg/L)		3.4	2.9	3.2	2 U	to	4.3	3.3	±	0.160	12
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	10
Alkalinity (CaCO3) (mg/L)		75	97	110	47	to	110	74	±	5.200	12
Organic Carbon (mg/L)		1 U	1 U	1 U	1 U	to	2 U	1.5	±	0.150	12
Chloride (mg/L)		14	34	34	1.2	to	43	20	±	4.300	12
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	12
Turbidity (field) (NTU)		3.7	3.5	1.5	0.3	to	6.1	2.8	±	0.570	12
Methane (ug/L)		↓5.2 U	↓5.2 U	↑35	20 U	to	20 U	20	±	0.000	8

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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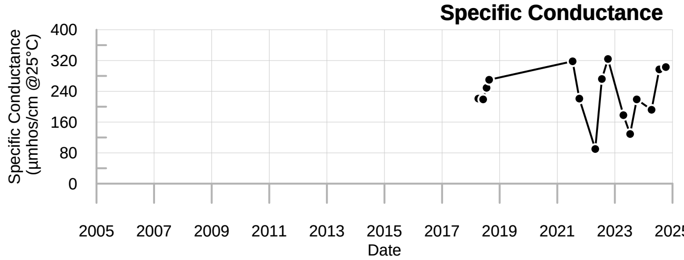

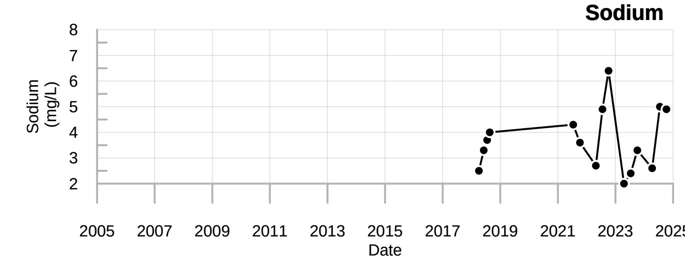

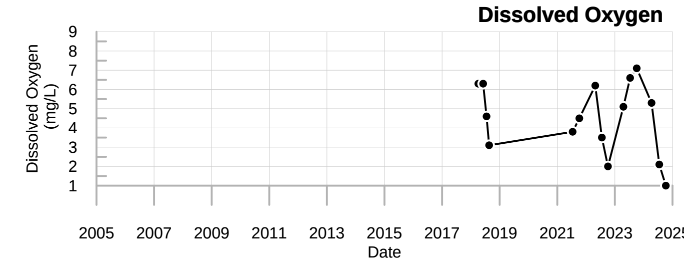

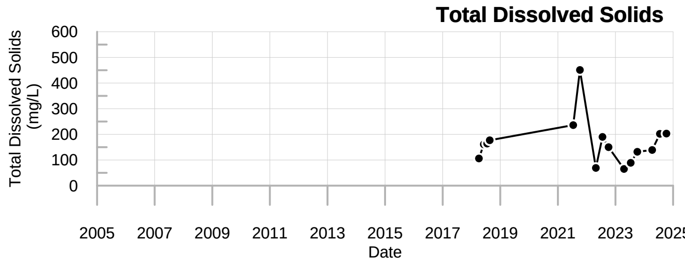

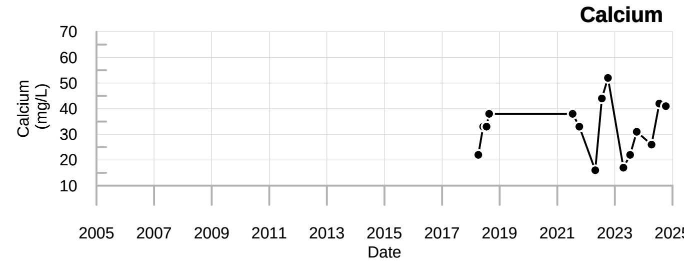

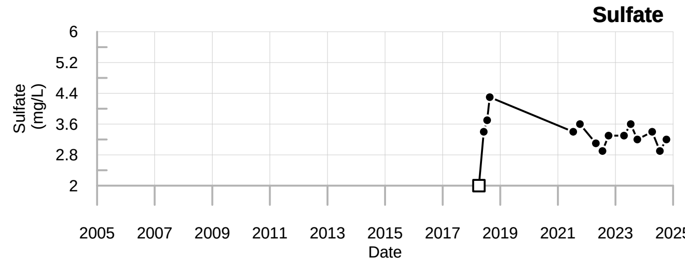

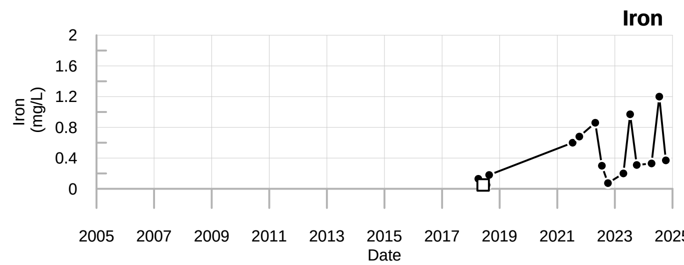

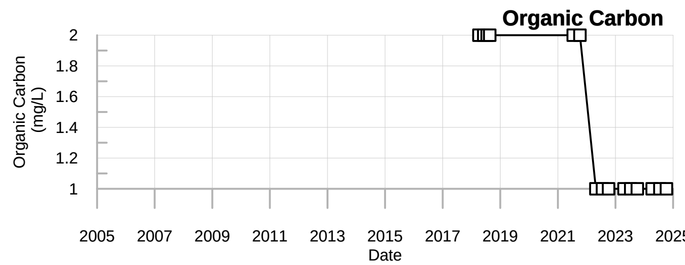

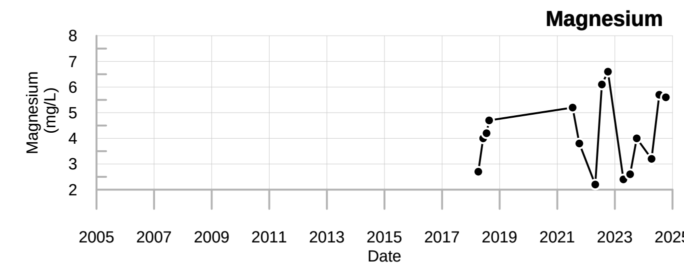

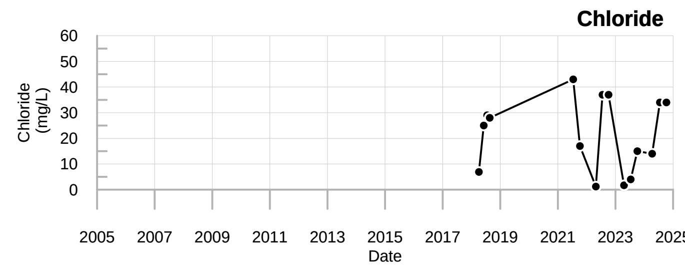

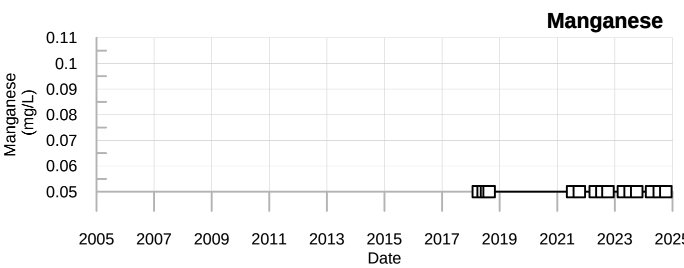

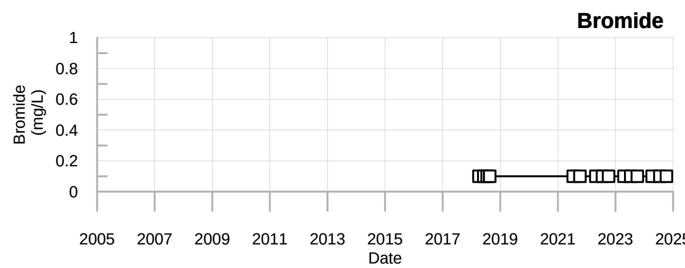

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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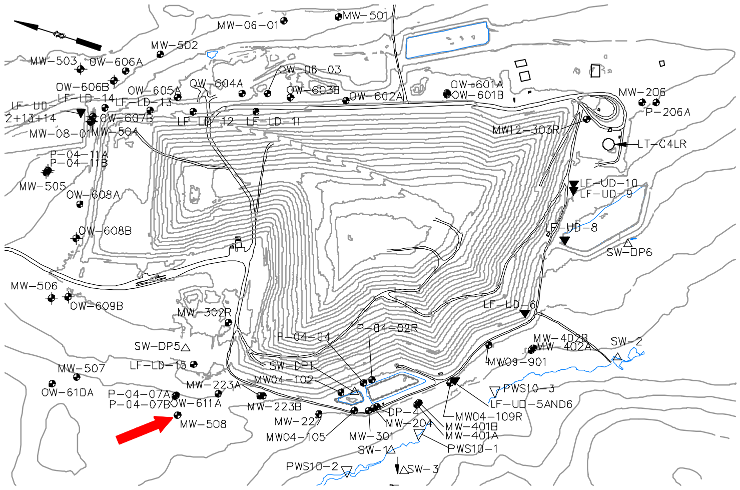
MW-507
Juniper Ridge Landfill

MW-508

Juniper Ridge Landfill

Well Description

MW-508 monitors bedrock groundwater downgradient of and southwest of the landfill expansion.



Screen Interval: **26 ft. to 36 ft.**

Sampled: **3 Times Annually**

Sampled Since: **10/5/2022**

Material Screened: **Bedrock**

Well Condition: **Good**

Sampling Method: **Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		294	287	297	269	to	334	300	±	9.400	6
pH (STU)		7.5	7.3	7.3	5.5	to	8.4	7.3	±	0.390	6
Temperature (Deg C)		7.1	12.2	9.7	5.7	to	14.3	9.9	±	1.200	6
Water Level Depth (Feet)		1.62	↑2.76	↑4.84	0.37	to	2.23	1.6	±	0.290	6
Water Level Elevation (Feet)		187.65	↓186.51	↓184.43	187.04	to	188.9	190	±	0.290	6
Water Level Reference Point (Feet)		189.27	189.27	189.27	189.27	to	189.27	190	±	0.000	6
Eh (mV)		458	238	↑469	215	to	464	390	±	38.000	6
Dissolved Oxygen (mg/L)		3.7	↑4.7	2	1.9	to	4.4	3.5	±	0.360	6
Well Depth (Feet)				↓38.77	38.78	to	38.78	39	±	0.000	3
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.0059	0.0052	±	0.000	6
Calcium (mg/L)		↓42	44	↓39	44	to	54	49	±	1.500	6
Copper (mg/L)		↑0.0089	0.003 U	0.003 U	0.003 U	to	0.003 U	0.003	±	0.000	6
Iron (mg/L)		0.05 U	0.075	0.05 U	0.05 U	to	0.21	0.1	±	0.029	6
Magnesium (mg/L)		↓4.5	↓5	↓4.3	5.2	to	5.8	5.5	±	0.089	6
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.082	0.055	±	0.005	6
Potassium (mg/L)		↓0.74	0.93	↓0.76	0.79	to	1.1	0.92	±	0.047	6
Sodium (mg/L)		↓6.3	6.8	↓6.4	6.5	to	7.6	7.2	±	0.150	6
Boron (mg/L)		0.05 U	↑0.13	0.05 U	0.05 U	to	0.05 U	0.05	±	0.000	6
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.48	0.25	±	0.047	6
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	±	0.000	6
Nitrite/Nitrate - (N) (mg/L)		↓0.16	↓0.11	↓0.15	0.18	to	0.42	0.26	±	0.035	6
Total Dissolved Solids (mg/L)		194	171	178	150	to	209	190	±	8.400	6
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	20	5.8	±	2.900	6
Sulfate (mg/L)		12	12	14	11	to	16	12	±	0.790	6
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	6
Alkalinity (CaCO3) (mg/L)		110	110	↑120	110	to	110	110	±	0.000	6
Organic Carbon (mg/L)		1 U	1 U	1 U	1 U	to	1 U	1	±	0.000	6
Chloride (mg/L)		22	↓15	↓14	19	to	29	24	±	1.400	6
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	±	0.000	6
Turbidity (field) (NTU)		0.3	0.4	↓0.2	0.3	to	1.7	0.63	±	0.220	6
Methane (ug/L)		↓5.2 U	↓5.2 U	↓5.2 U	20 U	to	20 U	20	±	0.000	6

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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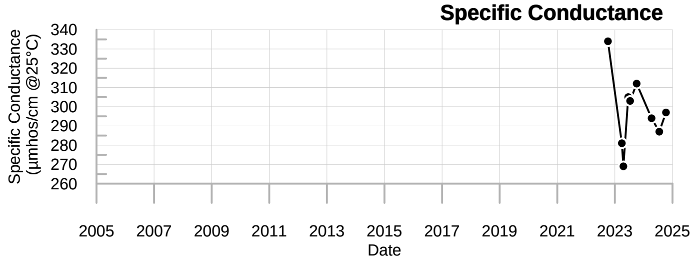

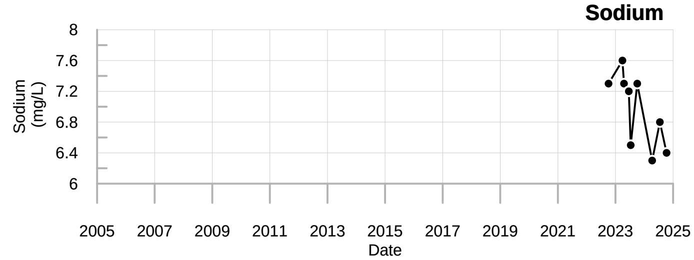

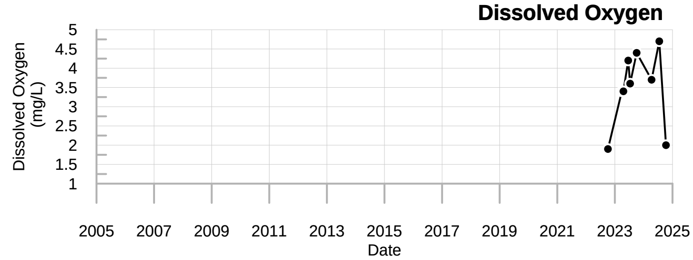

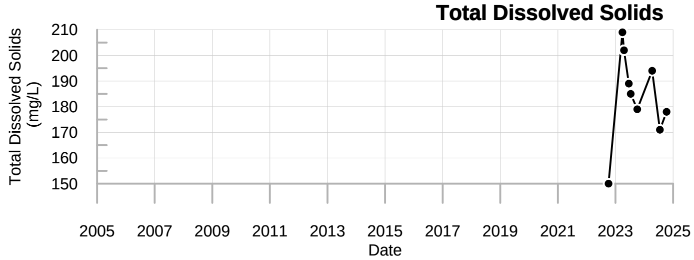

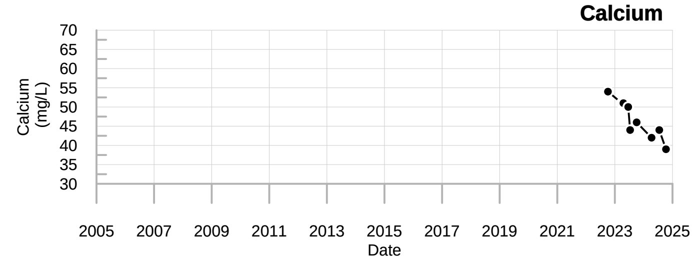

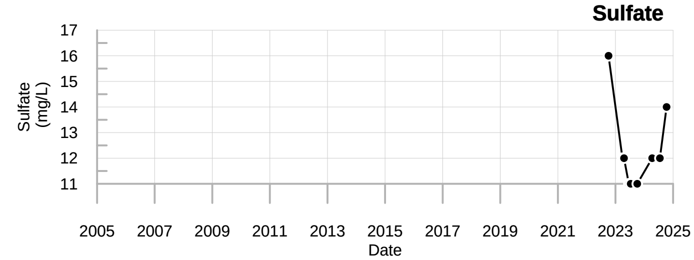

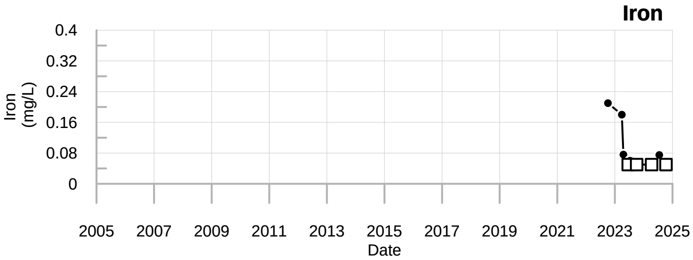

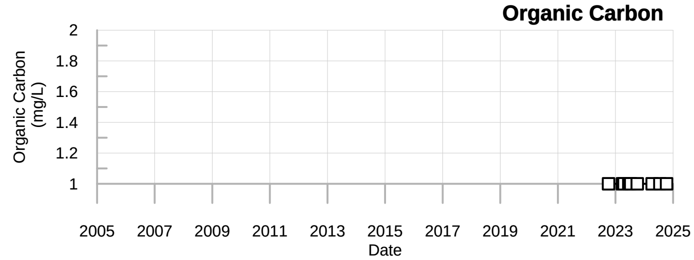

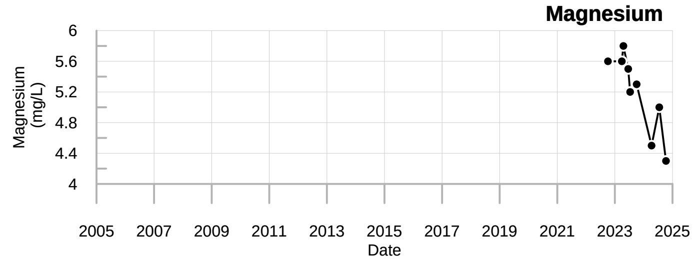

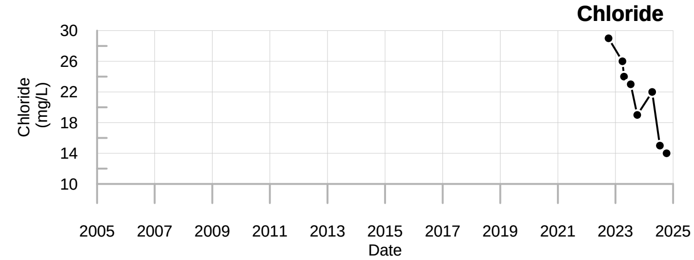

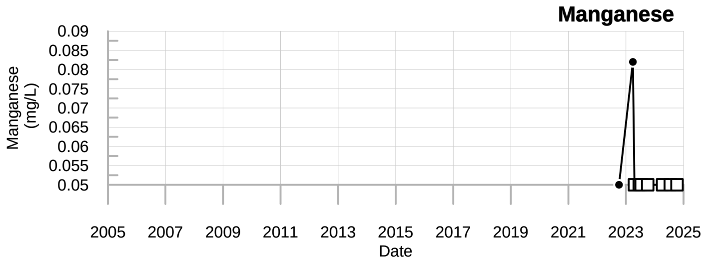

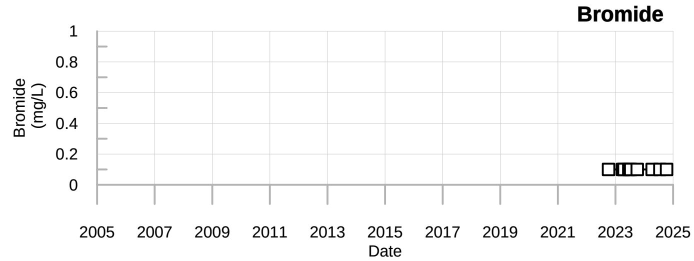

LEGEND

- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

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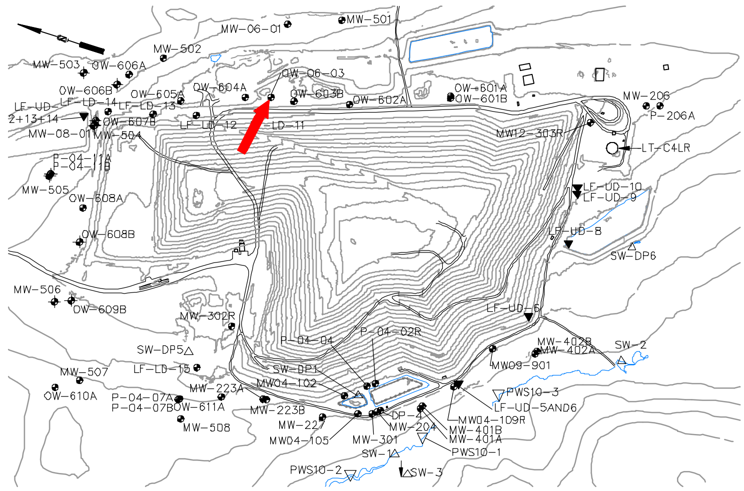
MW-508
Juniper Ridge Landfill

Well Description

OW-06-03 monitors overburden groundwater downgradient and east of the landfill expansion.



Screen Interval:	**10 ft. to 15 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**Apr-18**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		256	I	I	193	to	1035	590	±	74.000	11
pH (STU)		5.9	I	I	5.6	to	7.8	6.2	±	0.170	11
Temperature (Deg C)		10.4	I	I	6.2	to	16.4	10	±	1.100	11
Water Level Depth (Feet)		↓20.1	24.1	25.5	20.5	to	25.68	24	±	0.400	13
Water Level Elevation (Feet)		↑185.94	181.94	180.54	180.36	to	185.54	180	±	0.400	13
Water Level Reference Point (Feet)		206.04	206.04	206.04	206.04	to	206.04	210	±	0.000	16
Eh (mV)		168	I	I	87	to	401	190	±	30.000	11
Dissolved Oxygen (mg/L)		3.7	I	I	0.5	to	6	1.9	±	0.460	11
Well Depth (Feet)				25.8	25.8	to	25.81	26	±	0.002	5
Arsenic (mg/L)			I		0.005 U	to	0.01	0.0075	±	0.003	2
Calcium (mg/L)			I		17	to	78	48	±	31.000	2
Copper (mg/L)			I		0.003 U	to	0.003 U	0.003	±	0.000	2
Iron (mg/L)			I		0.32	to	23	12	±	11.000	2
Magnesium (mg/L)			I		4.4	to	6.5	5.5	±	1.100	2
Manganese (mg/L)			I		0.65	to	8.7	4.7	±	4.000	2
Potassium (mg/L)			I		1.1	to	3.7	2.4	±	1.300	2
Sodium (mg/L)			I		4.7	to	6.6	5.7	±	0.950	2
Boron (mg/L)			I		0.05 U	to	0.05 U	0.05	±	0.000	1
Total Kjeldahl Nitrogen (mg/L)			I		0.25 U	to	8.4	4.3	±	4.100	2
Ammonia (N) (mg/L)			I		0.5 U	to	6.7	3.6	±	3.100	2
Nitrite/Nitrate - (N) (mg/L)			I		0.05 U	to	0.1	0.075	±	0.025	2
Total Dissolved Solids (mg/L)			I		84	to	491	290	±	200.000	2
Total Suspended Solids (mg/L)			I		2.5 U	to	16	9.3	±	6.800	2
Sulfate (mg/L)			I		2.1	to	12	7.1	±	5.000	2
Sulfide (mg/L)			I		0.1 U	to	5 U	2.6	±	2.500	2
Alkalinity (CaCO3) (mg/L)			I		65	to	270	170	±	100.000	2
Organic Carbon (mg/L)			I		2	to	68	35	±	33.000	2
Chloride (mg/L)			I		1.6	to	6.3	4	±	2.400	2
Bromide (mg/L)			I		0.51	to	0.58	0.55	±	0.035	2
Turbidity (field) (NTU)		↓1	I	I	2.7	to	43.8	10	±	3.500	11
Methane (ug/L)			I		2900	to	2900	2900	±	0.000	1

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Only field parameters are collected during the summer and fall sampling events.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

I = The sampling location yielded insufficient quantity to collect a sample.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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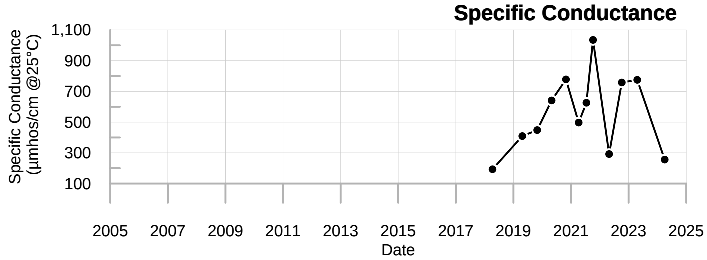
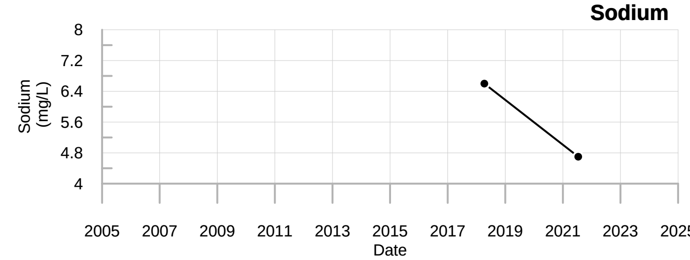
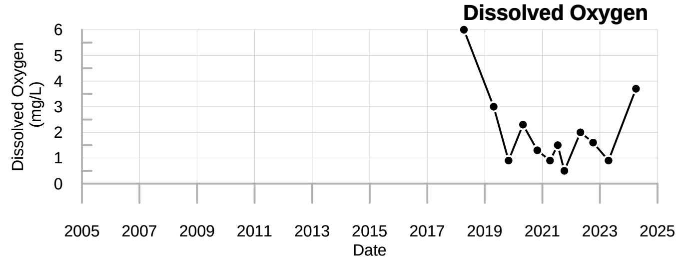
Specific Conductance



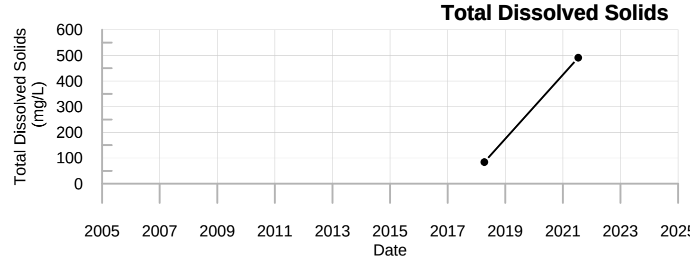
Sodium



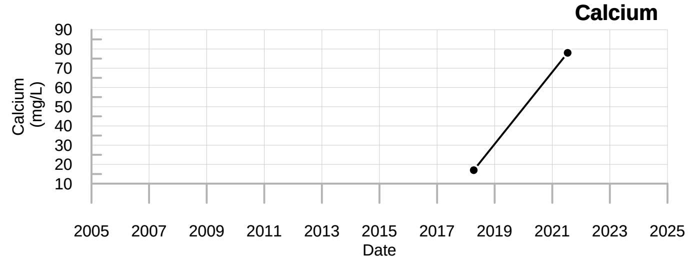
Dissolved Oxygen



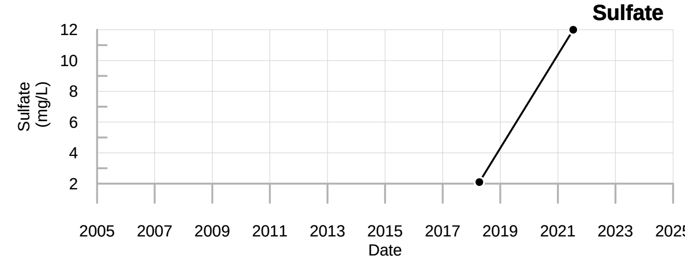
Total Dissolved Solids



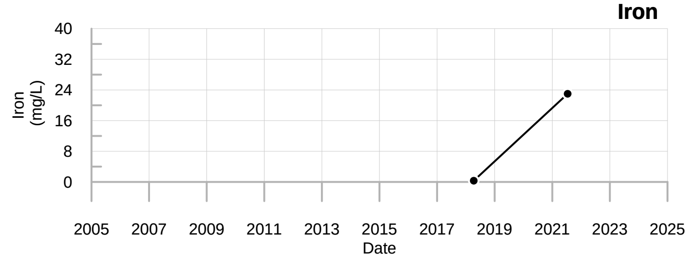
Calcium



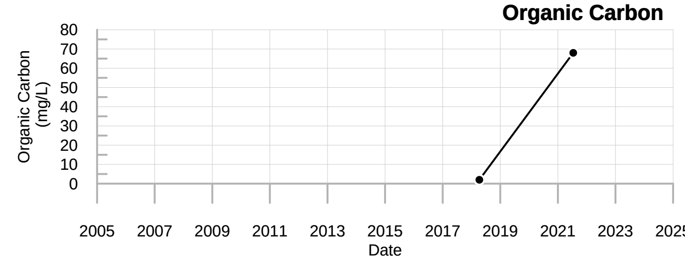
Sulfate



Iron



Organic Carbon



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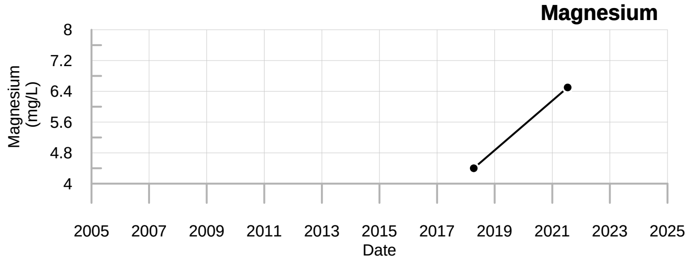
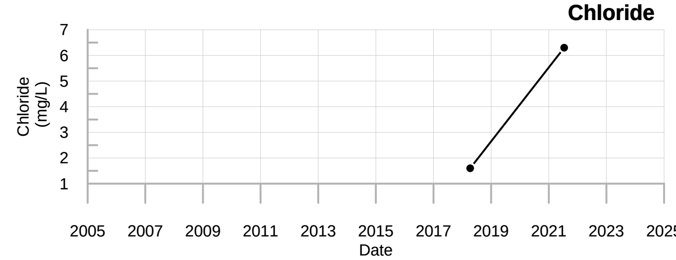


Chloride



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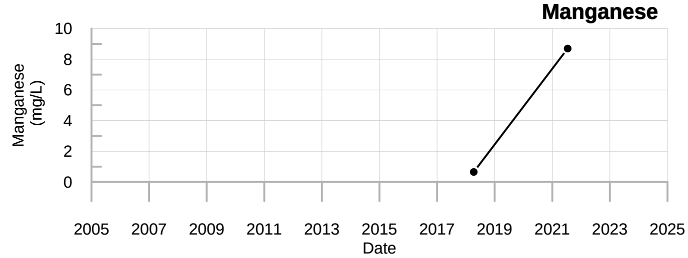
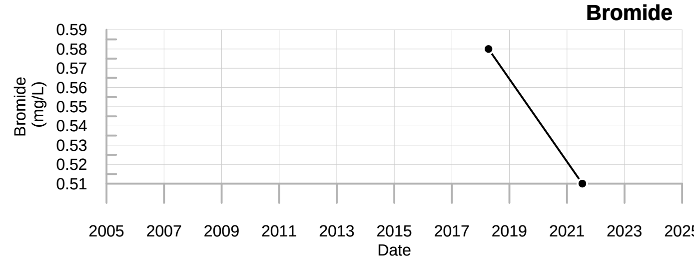


Bromide



LEGEND

- ☐ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

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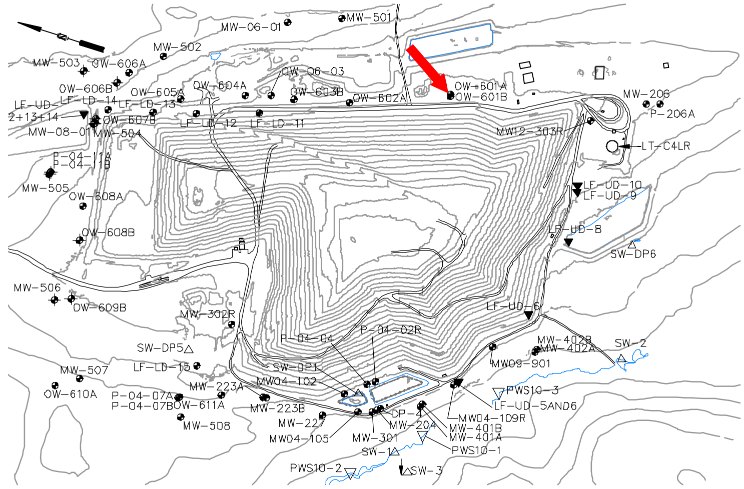
OW-06-03
Juniper Ridge Landfill

Well Description

OW-601A monitors bedrock groundwater downgradient and east of the landfill expansion.



Screen Interval:	**88 ft. to 98 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**Apr-18**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		↓215	↓261	351	311	to	545	400	±	12.000	19
pH (STU)		7	6.9	6.5	5.9	to	7.7	7	±	0.093	19
Temperature (Deg C)		9.7	13.7	10.3	6.4	to	17.7	11	±	0.690	19
Water Level Depth (Feet)		37.15	38.35	40.7	35.6	to	42.6	39	±	0.490	19
Water Level Elevation (Feet)		180.79	179.59	177.24	175.34	to	182.34	180	±	0.490	19
Water Level Reference Point (Feet)		217.94	217.94	217.94	217.94	to	217.94	220	±	0.000	19
Eh (mV)		258	305	354	107	to	402	250	±	17.000	19
Dissolved Oxygen (mg/L)		↑8.9	5.9	1.9	0.9	to	7.9	2.7	±	0.410	19
Well Depth (Feet)				↑79.09	79.02	to	79.02	79	±	0.000	5
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005	0.005	±	0.000	10
Calcium (mg/L)			38		36	to	55	44	±	2.000	10
Copper (mg/L)			↑0.0096		0.003 U	to	0.004	0.0032	±	0.000	6
Iron (mg/L)			0.12		0.05 U	to	0.97	0.27	±	0.110	10
Magnesium (mg/L)			↓5.7		8.8	to	15	11	±	0.570	10
Manganese (mg/L)			0.05 U		0.05 U	to	0.29	0.14	±	0.029	10
Potassium (mg/L)			1.9		1.8	to	2.8	2.1	±	0.110	10
Sodium (mg/L)			15		6.6	to	25	13	±	1.900	10
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	3
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.86	0.31	±	0.069	9
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	5
Nitrite/Nitrate - (N) (mg/L)			0.26		0.18	to	0.62	0.37	±	0.052	9
Total Dissolved Solids (mg/L)			↓171		180	to	264	230	±	9.500	9
Total Suspended Solids (mg/L)			8.3 U		2.5 U	to	7100	820	±	780.000	9
Sulfate (mg/L)			12		2.1	to	25	9.8	±	2.200	9
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	5
Alkalinity (CaCO3) (mg/L)			120		120	to	170	140	±	8.700	7
Organic Carbon (mg/L)			1		1 U	to	42	6.2	±	4.500	9
Chloride (mg/L)			↓12		16	to	31	23	±	1.600	9
Bromide (mg/L)			↓0.1 U		0.13	to	1.1	0.28	±	0.100	9
Turbidity (field) (NTU)		0.7	10.5	1.2	0.6	to	1355	77	±	71.000	19
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	±	0.000	3

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.
*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

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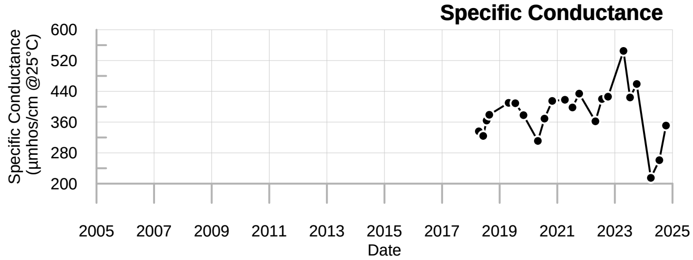

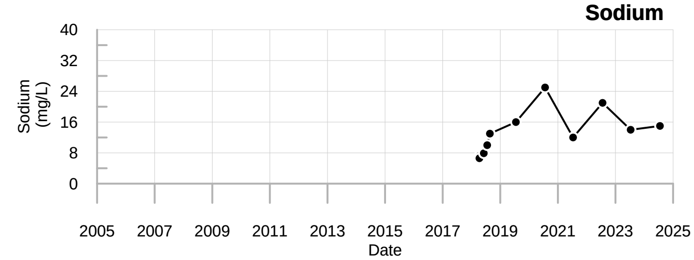

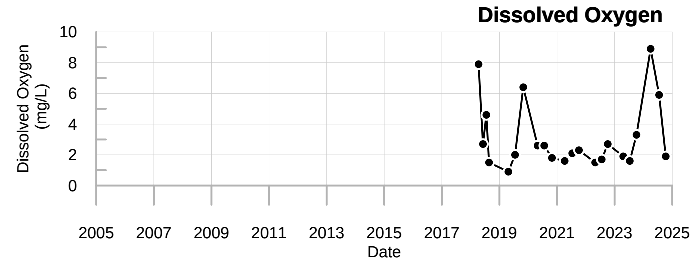

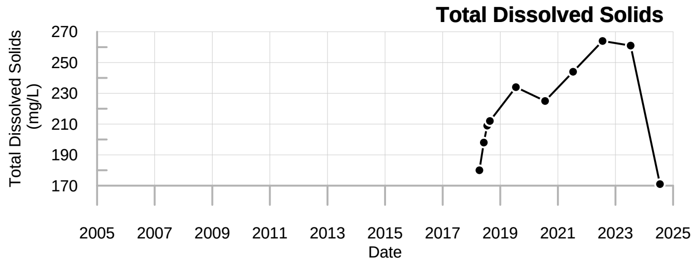

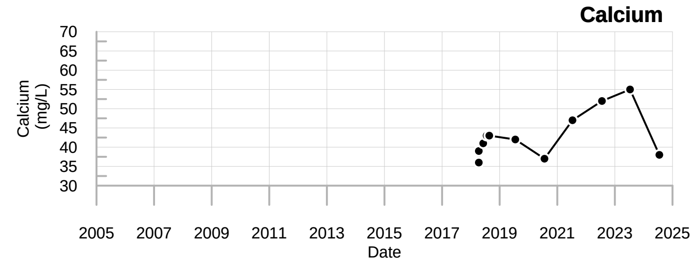

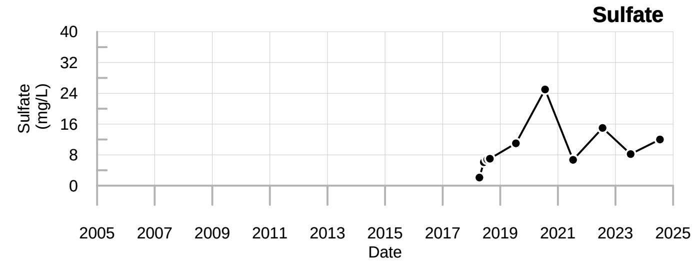

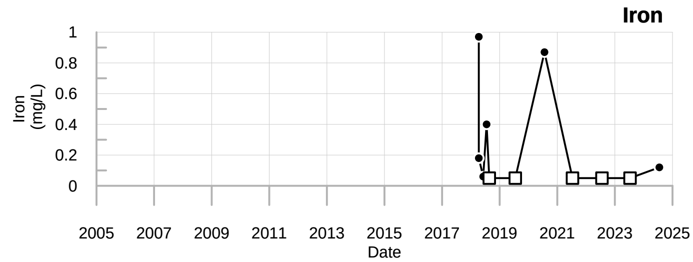

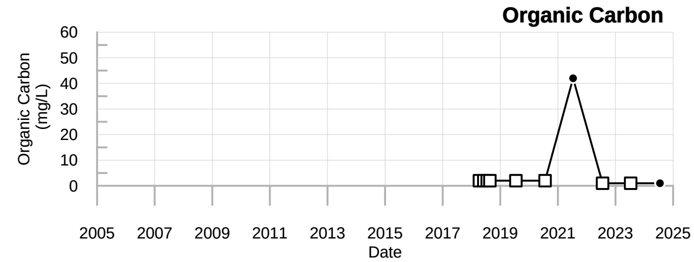

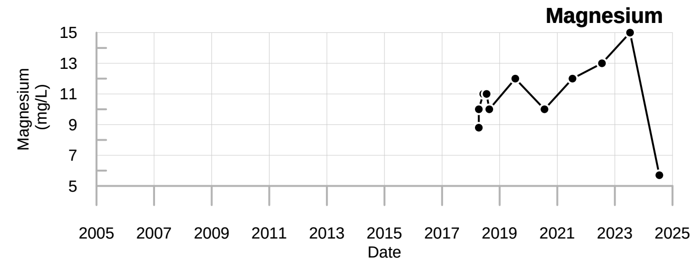

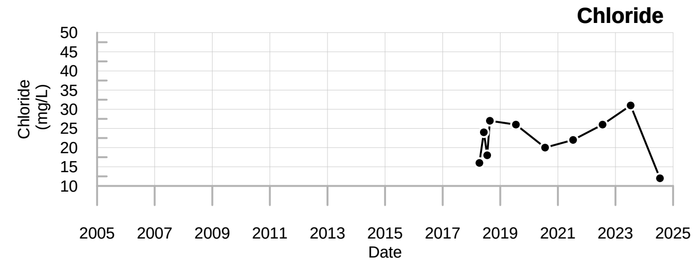

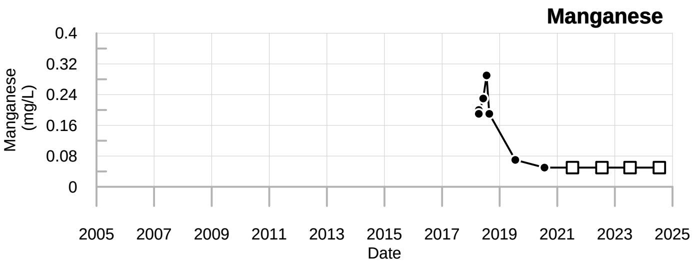

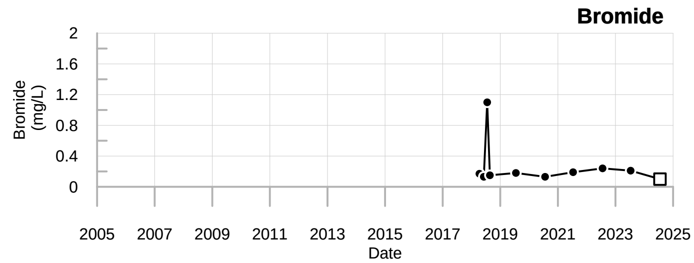

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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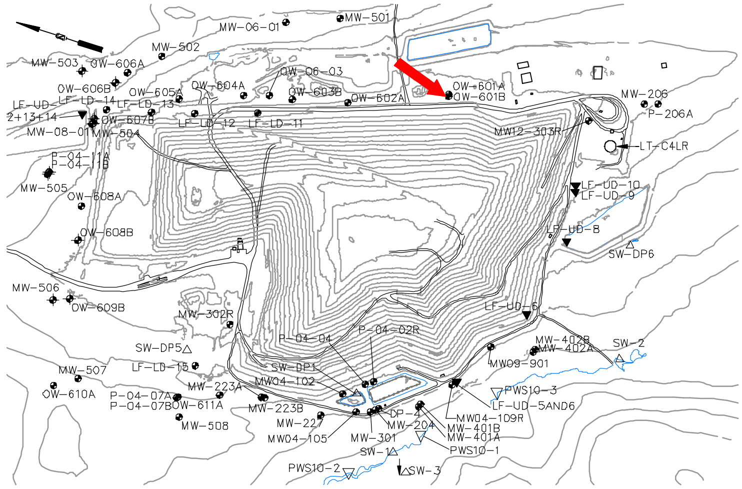
OW-601A
Juniper Ridge Landfill

Well Description

OW-601B monitors overburden groundwater downgradient and east of the landfill expansion.



Screen Interval: **51 ft. to 61 ft.**

Sampled: **3 Times Annually***

Sampled Since: **Apr-18**

Material Screened: **Overburden**

Well Condition: **Good**

Sampling Method: **Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		359	326	366	296	to	427	360	±	7.300	19
pH (STU)		6.3	6.1	5.9	5.9	to	6.8	6.3	±	0.057	19
Temperature (Deg C)		9.7	13.2	11.5	7.7	to	25	12	±	0.890	19
Water Level Depth (Feet)		37.1	38.25	40.65	35.55	to	42.55	39	±	0.480	19
Water Level Elevation (Feet)		180.4	179.25	176.85	174.95	to	181.95	180	±	0.480	19
Water Level Reference Point (Feet)		217.5	217.5	217.5	217.5	to	217.5	220	±	0.000	19
Eh (mV)		270	342	366	162	to	406	300	±	15.000	19
Dissolved Oxygen (mg/L)		2.3	2.2	3	1.4	to	5.5	3.2	±	0.230	19
Well Depth (Feet)				↑59.37	59.19	to	59.2	59	±	0.003	4
Arsenic (mg/L)			0.005 U		0.005 U	to	0.007	0.0053	±	0.000	9
Calcium (mg/L)			38		34	to	44	39	±	1.100	9
Copper (mg/L)			↑0.0033		0.003 U	to	0.003 U	0.003	±	0.000	5
Iron (mg/L)			0.05 U		0.05 U	to	0.74	0.21	±	0.074	9
Magnesium (mg/L)			12		11	to	14	13	±	0.290	9
Manganese (mg/L)			0.05 U		0.05 U	to	1	0.23	±	0.120	9
Potassium (mg/L)			1.3		1.2	to	2	1.6	±	0.100	9
Sodium (mg/L)			↑11		6.8	to	8.7	7.8	±	0.210	9
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	3
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.25 U	0.24	±	0.007	9
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	5
Nitrite/Nitrate - (N) (mg/L)			0.53		0.23	to	0.64	0.45	±	0.050	9
Total Dissolved Solids (mg/L)			206		184	to	277	230	±	9.900	9
Total Suspended Solids (mg/L)			8.3 U		2.5 U	to	16	5.8	±	1.600	9
Sulfate (mg/L)			2.3		2 U	to	10 U	3.5	±	0.840	9
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	5
Alkalinity (CaCO3) (mg/L)			110		88	to	120	110	±	4.400	7
Organic Carbon (mg/L)			1 U		1 U	to	55	7.7	±	5.900	9
Chloride (mg/L)			36		22	to	61	40	±	4.000	9
Bromide (mg/L)			0.2		0.16	to	0.5 U	0.25	±	0.033	9
Turbidity (field) (NTU)		1	2.2	↓0.1	0.6	to	7.6	3	±	0.450	19
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	±	0.000	3

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024

Q3= 7 - 2024

Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245

Printed: 4/16/2025 11:25

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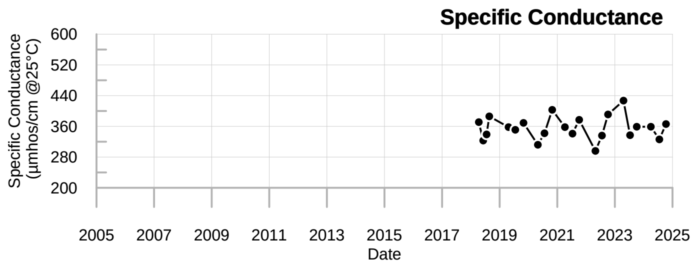

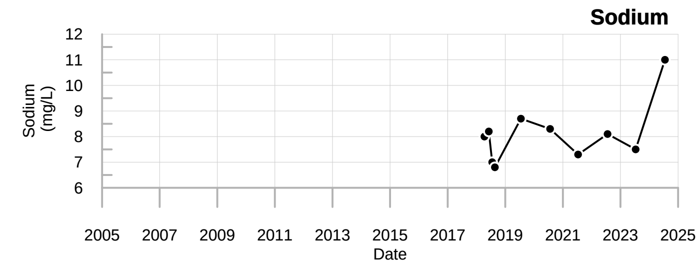

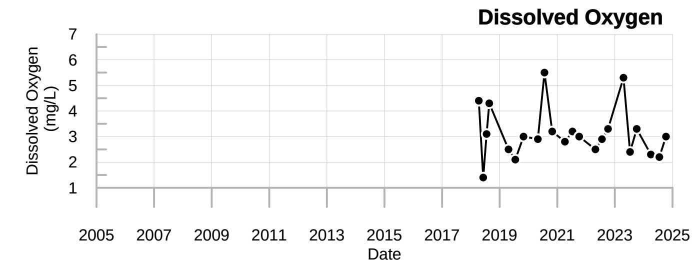

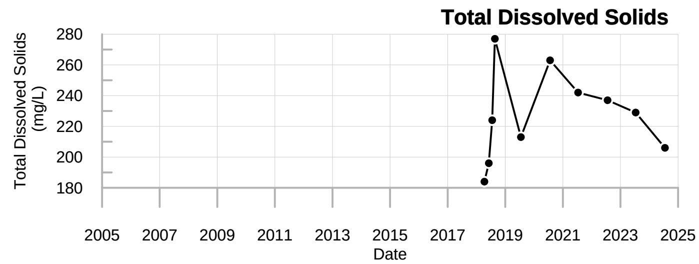

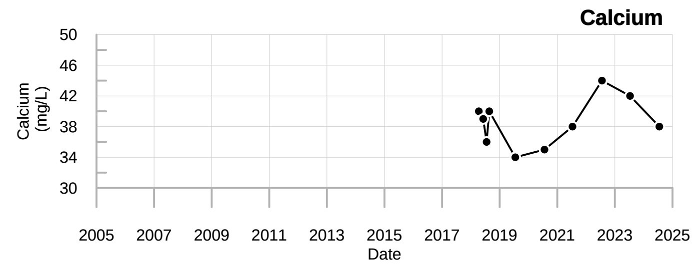

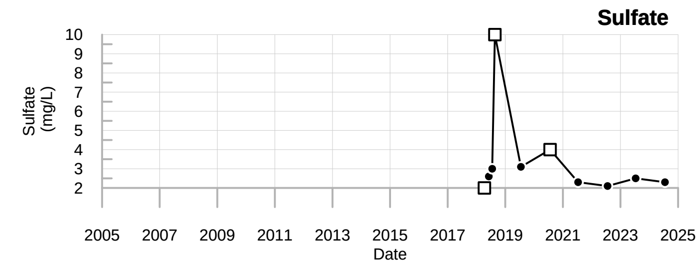

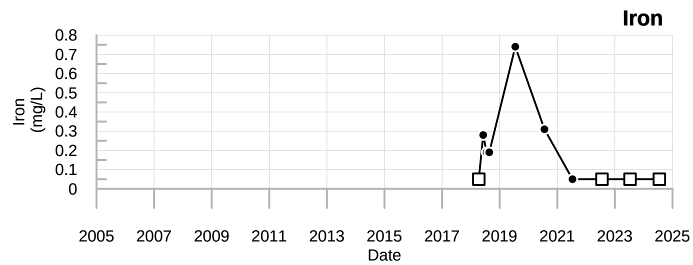

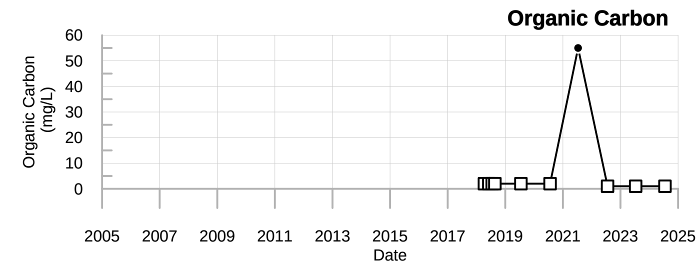

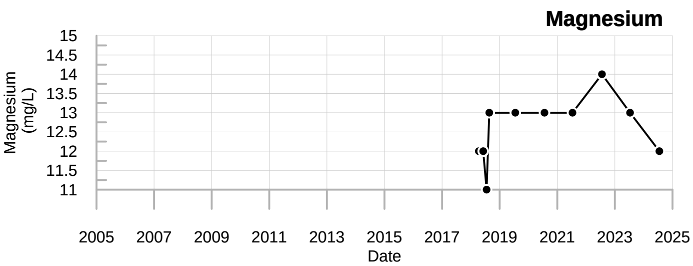

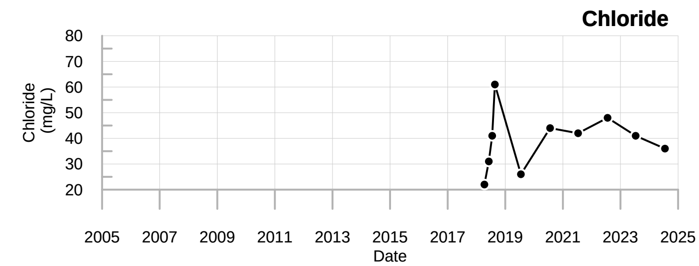

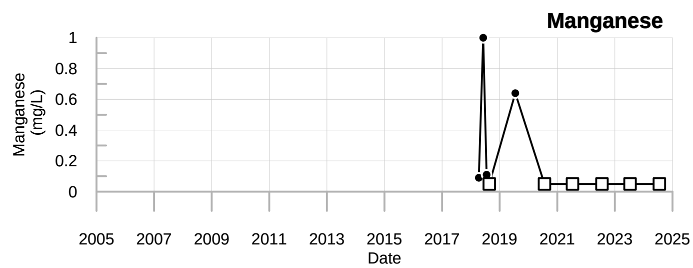

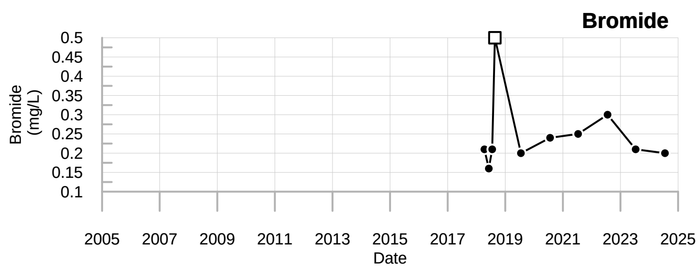

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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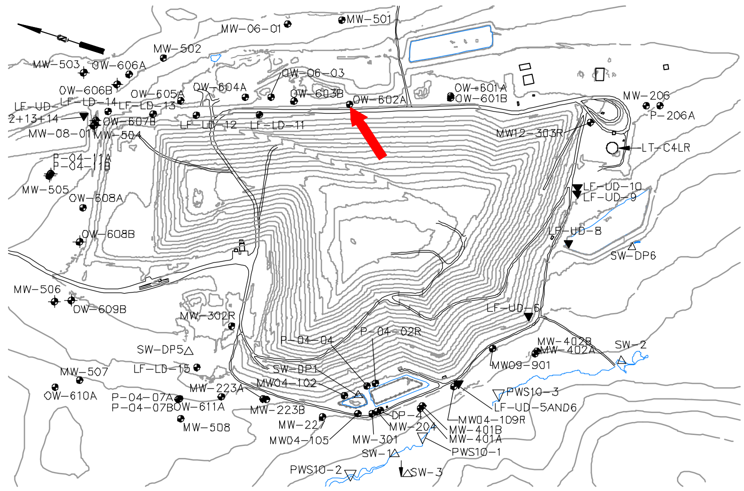
OW-601B
Juniper Ridge Landfill

Well Description

OW-602A monitors bedrock groundwater downgradient and east of the landfill expansion.



Screen Interval:	**52 ft. to 62 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**Apr-18**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

	2024				Historical (11/1/1990 - 12/31/2023)						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		397	387	363	93	to	436	230	±	25.000	19
pH (STU)		6.5	6.4	↓6.1	6.2	to	8.2	6.9	±	0.110	19
Temperature (Deg C)		9.6	12.7	9.6	5.2	to	17.5	9.5	±	0.590	19
Water Level Depth (Feet)		35.8	36.8	38.85	29.92	to	39.9	36	±	0.600	19
Water Level Elevation (Feet)		177.37	176.37	174.32	173.27	to	183.25	180	±	0.600	19
Water Level Reference Point (Feet)		213.17	213.17	213.17	213.17	to	213.17	210	±	0.000	19
Eh (mV)		212	333	363	108	to	467	280	±	20.000	19
Dissolved Oxygen (mg/L)		↓0.4	↓0.4	0.9	0.6	to	12.9	5.6	±	0.980	19
Well Depth (Feet)				239.4	239.4	to	240	240	±	0.120	5
Arsenic (mg/L)			0.005 U		0.005 U	to	0.008	0.0053	±	0.000	9
Calcium (mg/L)			↑56		13	to	52	26	±	5.200	9
Copper (mg/L)			↑0.0036		0.003 U	to	0.003 U	0.003	±	0.000	5
Iron (mg/L)			0.05 U		0.05 U	to	0.1	0.056	±	0.006	9
Magnesium (mg/L)			↑13		2.8	to	12	5.8	±	1.200	9
Manganese (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	9
Potassium (mg/L)			0.93		0.4	to	1.3	0.6	±	0.095	9
Sodium (mg/L)			↑9.7		2.5	to	5.8	3.6	±	0.410	9
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	3
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.72	0.3	±	0.054	9
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	5
Nitrite/Nitrate - (N) (mg/L)			0.4		0.05 U	to	0.9	0.32	±	0.110	9
Total Dissolved Solids (mg/L)			↑231		59	to	221	130	±	20.000	9
Total Suspended Solids (mg/L)			↑8.3 U		2.5 U	to	2.5 U	2.5	±	0.000	9
Sulfate (mg/L)			↑5.9		2.4	to	4.6	3.6	±	0.270	9
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	5
Alkalinity (CaCO3) (mg/L)			170		44	to	170	86	±	20.000	7
Organic Carbon (mg/L)			1.1		1 U	to	36	5.6	±	3.800	9
Chloride (mg/L)			17		2.3	to	20	12	±	1.900	9
Bromide (mg/L)			0.33		0.1 U	to	0.33	0.15	±	0.029	9
Turbidity (field) (NTU)		0.8	2	↓0.1	0.5	to	3.7	1.5	±	0.190	19
Methane (ug/L)			↑140		20 U	to	130	64	±	34.000	3

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

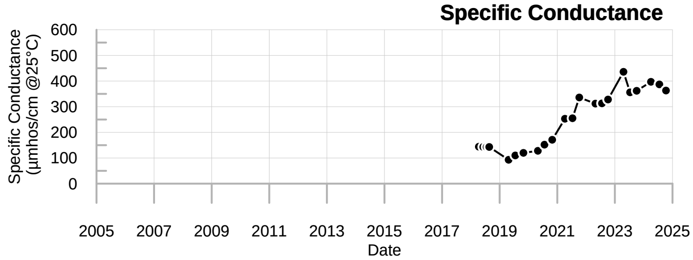
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:25

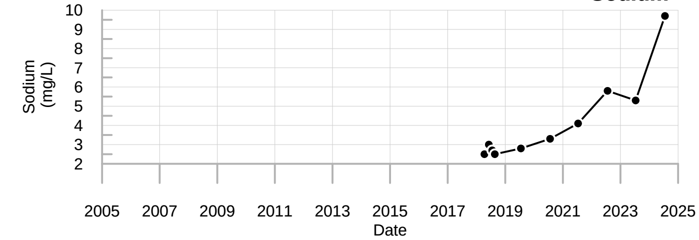
SME SEVEE & MAHER ENGINEERS

OW-602A

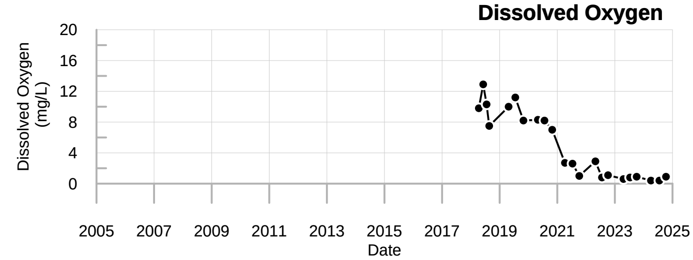
Specific Conductance



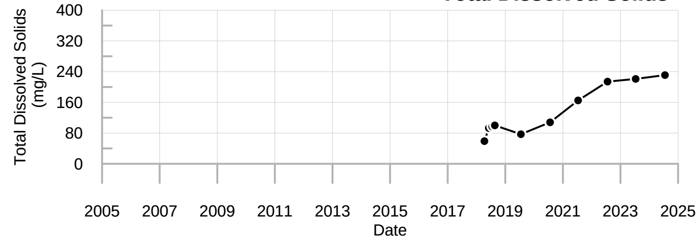
Sodium



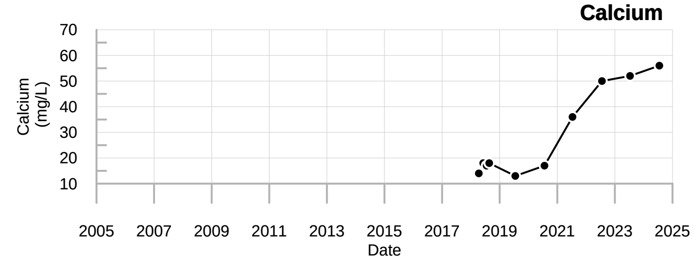
Dissolved Oxygen



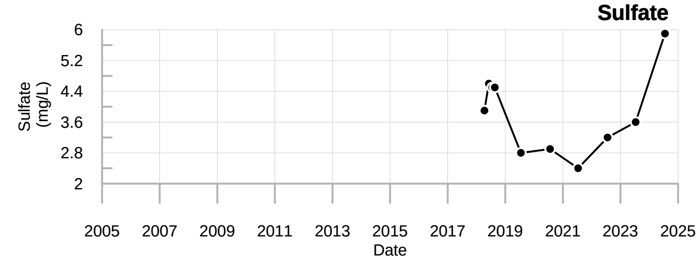
Total Dissolved Solids



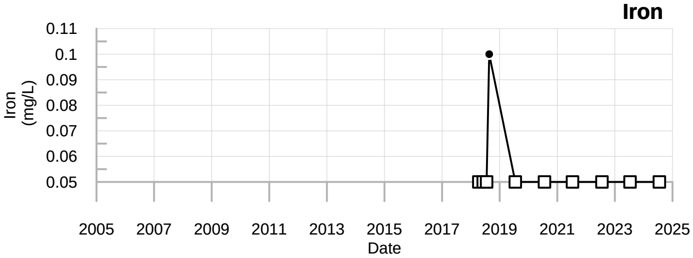
Calcium



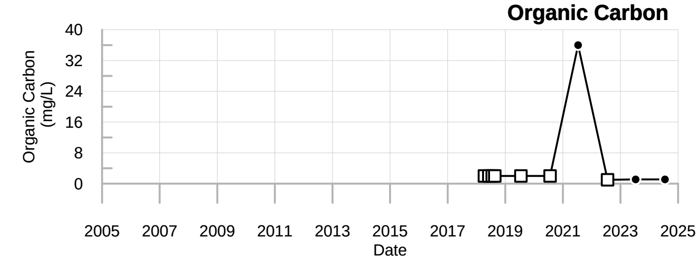
Sulfate



Iron



Organic Carbon



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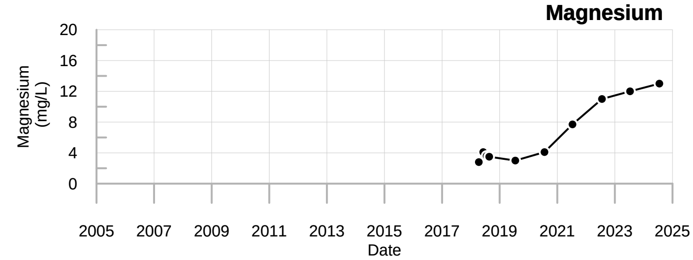
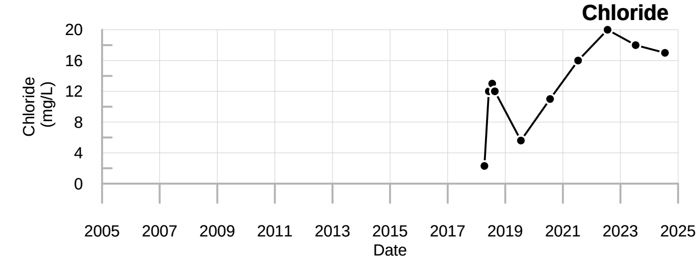
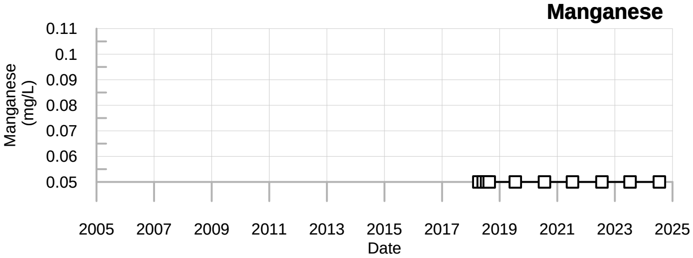


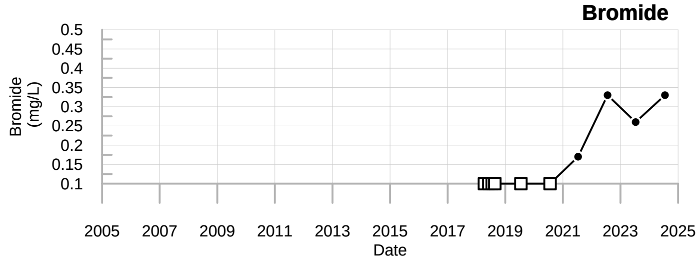
Chloride



Manganese



Bromide



LEGEND

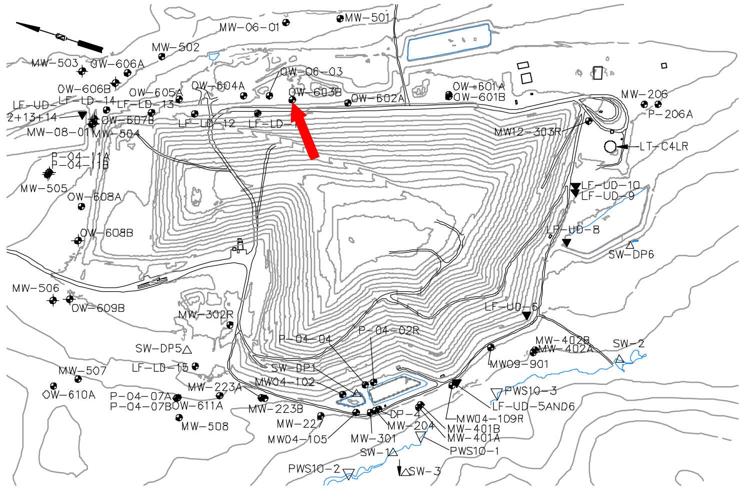
- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

OW-602A
Juniper Ridge Landfill

Well Description

OW-603B monitors overburden groundwater downgradient and east of the landfill expansion.



Screen Interval:	**34 ft. to 44 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**Apr-18**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		D	D	D	122	to	302	180	± 22.000	8
pH (STU)		D	D	D	5.7	to	7.1	6.3	± 0.150	8
Temperature (Deg C)		D	D	D	6.3	to	19.7	11	± 1.700	8
Water Level Depth (Feet)		D	D	D	20.44	to	28.75	26	± 0.710	13
Water Level Elevation (Feet)		D	D	D	179.32	to	187.63	180	± 0.710	13
Water Level Reference Point (Feet)		208.07	208.07	208.07	208.07	to	208.07	210	± 0.000	19
Eh (mV)		D	D	D	304	to	415	370	± 15.000	8
Dissolved Oxygen (mg/L)		D	D	D	0.1	to	7.5	3.9	± 1.100	8
Well Depth (Feet)				↓28.77	28.82	to	28.84	29	± 0.005	5
Arsenic (mg/L)		D	D		0.005 U	to	0.017	0.0075	± 0.002	6
Calcium (mg/L)		D	D		12	to	34	20	± 3.700	6
Copper (mg/L)		D	D		0.003 U	to	0.003 U	0.003	± 0.000	2
Iron (mg/L)		D	D		0.05	to	19	3.5	± 3.100	6
Magnesium (mg/L)		D	D		4.5	to	11	6.9	± 1.100	6
Manganese (mg/L)		D	D		0.11	to	0.93	0.42	± 0.140	6
Potassium (mg/L)		D	D		1	to	3.7	1.7	± 0.400	6
Sodium (mg/L)		D	D		3.9	to	8.5	5.5	± 0.680	6
Boron (mg/L)		D	D		No historical data for Boron.					
Total Kjeldahl Nitrogen (mg/L)		D	D		0.25 U	to	11	2.6	± 2.100	5
Ammonia (N) (mg/L)		D	D		0.5 U	to	0.5 U	0.5	± 0.000	2
Nitrite/Nitrate - (N) (mg/L)		D	D		0.054	to	0.28	0.12	± 0.040	5
Total Dissolved Solids (mg/L)		D	D		99	to	161	120	± 12.000	5
Total Suspended Solids (mg/L)		D	D		2.5 U	to	1500	310	± 300.000	5
Sulfate (mg/L)		D	D		2.1	to	2.9	2.4	± 0.140	5
Sulfide (mg/L)		D	D		0.1 U	to	0.1 U	0.1	± 0.000	2
Alkalinity (CaCO3) (mg/L)		D	D		58	to	120	83	± 14.000	4
Organic Carbon (mg/L)		D	D		2 U	to	4	2.4	± 0.400	5
Chloride (mg/L)		D	D		1.2	to	2.5	1.9	± 0.220	5
Bromide (mg/L)		D	D		0.1 U	to	1.1	0.33	± 0.190	5
Turbidity (field) (NTU)		D	D	D	2.2	to	430	66	± 52.000	8
Methane (ug/L)		D	D		No historical data for Methane.					

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024   D = The sampling location was dry.
Q3= 7 - 2024
Q4= 10 - 2024

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

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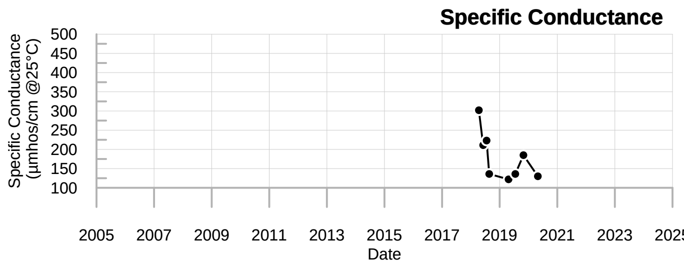
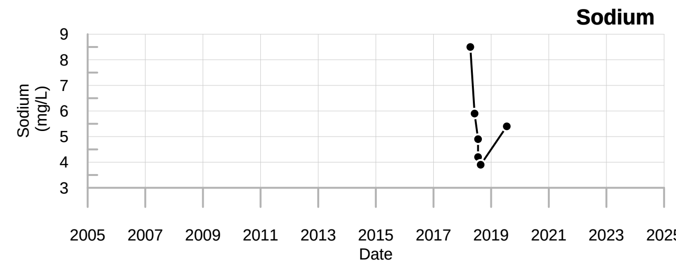
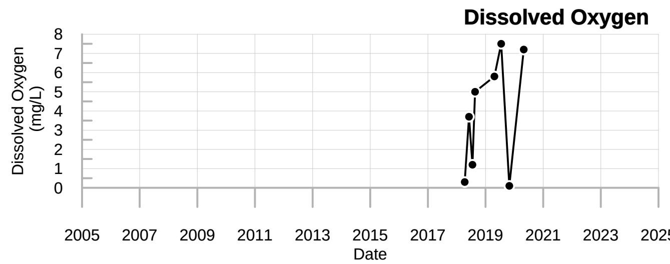
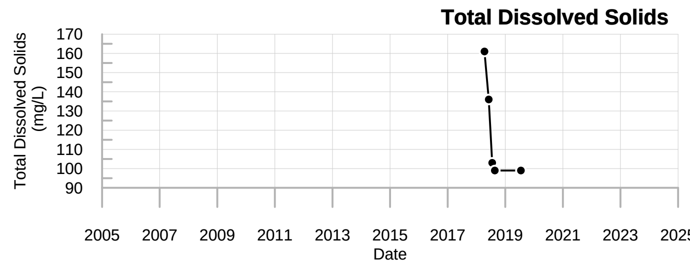
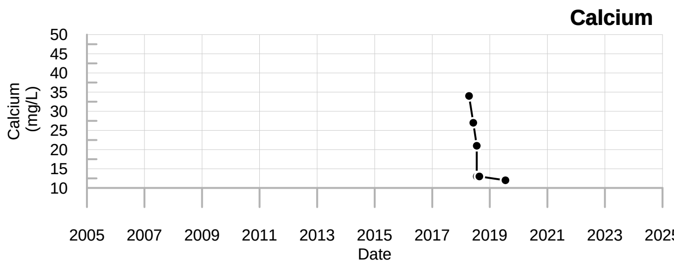
OW-603B

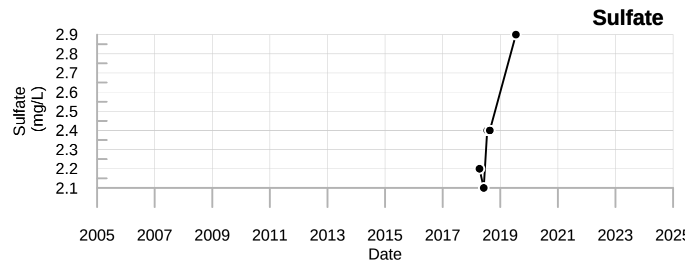


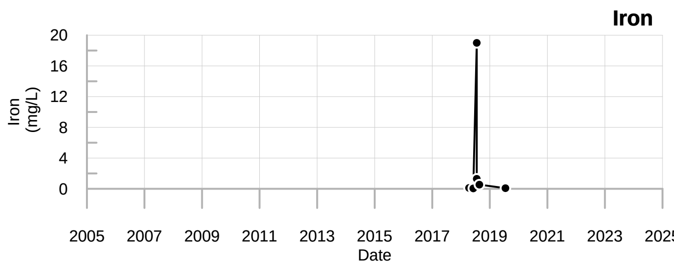


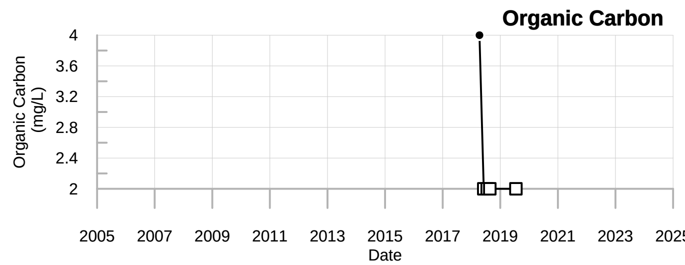


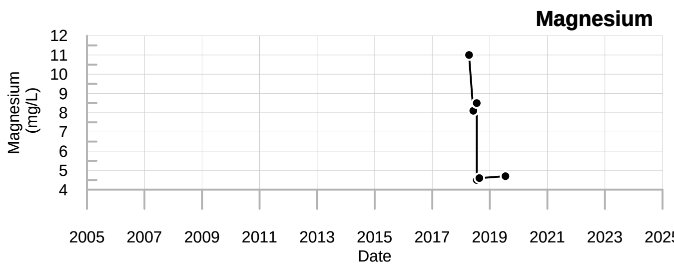


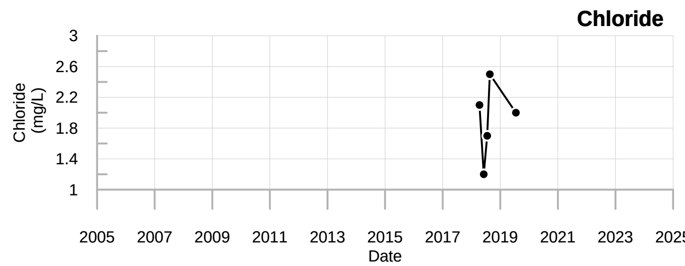


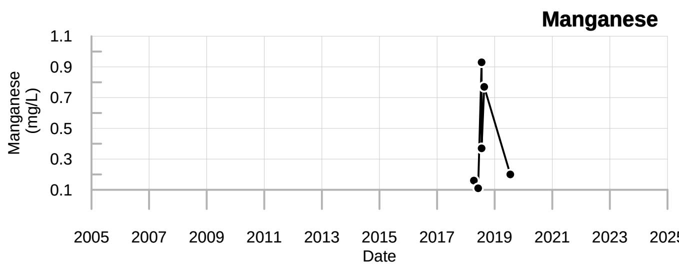


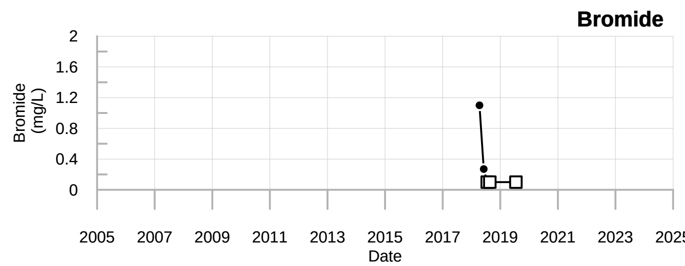












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

SME
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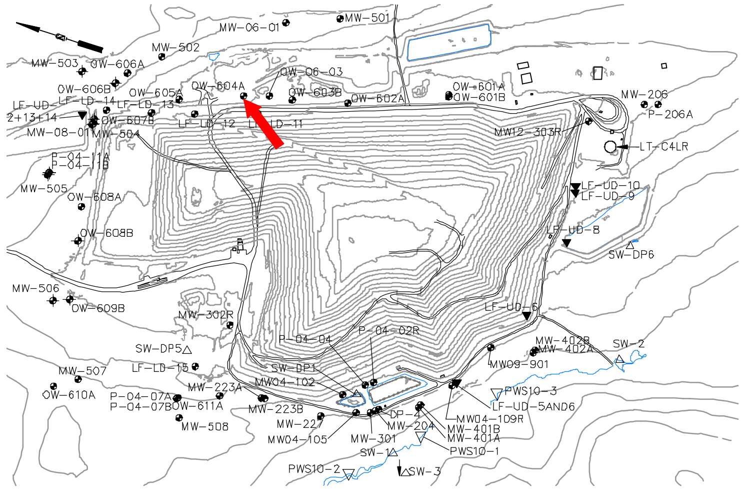
OW-603B
Juniper Ridge Landfill

Well Description

OW-604A monitors bedrock groundwater downgradient and east of the landfill expansion.



Screen Interval:	**39 ft. to 49 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**Apr-18**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		356	379	369	78	to 411	200	± 22.000	19
pH (STU)		6.3	6.2	5.9	5.9	to 7.8	6.4	± 0.100	19
Temperature (Deg C)		9.4	16.3	10.2	6.2	to 16.9	12	± 0.890	19
Water Level Depth (Feet)		21.4	22.55	25.35	14.3	to 25.9	22	± 0.680	19
Water Level Elevation (Feet)		177.4	176.25	173.45	172.9	to 184.5	180	± 0.680	19
Water Level Reference Point (Feet)		198.8	198.8	198.8	198.8	to 198.8	200	± 0.000	19
Eh (mV)		231	345	376	208	to 548	330	± 20.000	19
Dissolved Oxygen (mg/L)		3.9	2.7	4.4	0.1 U	to 7.5	4.3	± 0.420	19
Well Depth (Feet)				36.7	33.71	to 36.8	35	± 0.740	5
Arsenic (mg/L)			0.005 U		0.005 U	to 0.007	0.0052	± 0.000	9
Calcium (mg/L)			↑49		8.9	to 48	20	± 4.600	9
Copper (mg/L)			↑0.0042		0.003 U	to 0.003 U	0.003	± 0.000	5
Iron (mg/L)			↑0.076		0.05 U	to 0.05	0.05	± 0.000	9
Magnesium (mg/L)			↑12		2.3	to 9	4.9	± 0.880	9
Manganese (mg/L)			0.05 U		0.05 U	to 0.05 U	0.05	± 0.000	9
Potassium (mg/L)			1.1		0.5	to 3.1	0.91	± 0.280	9
Sodium (mg/L)			↑10		2.7	to 9.8	4.6	± 0.730	9
Boron (mg/L)			0.05 U		0.05 U	to 0.05 U	0.05	± 0.000	3
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to 0.62	0.32	± 0.048	9
Ammonia (N) (mg/L)			0.5 U		0.5 U	to 0.5 U	0.5	± 0.000	5
Nitrite/Nitrate - (N) (mg/L)			3.6		0.16	to 4	1.3	± 0.490	9
Total Dissolved Solids (mg/L)			↑247		62	to 216	120	± 19.000	9
Total Suspended Solids (mg/L)			↑8.3 U		2.5 U	to 3	2.6	± 0.056	9
Sulfate (mg/L)			2.8		2.4	to 6.9	3.2	± 0.480	9
Sulfide (mg/L)			0.1 U		0.1 U	to 0.1 U	0.1	± 0.000	5
Alkalinity (CaCO3) (mg/L)			130		36	to 140	72	± 15.000	7
Organic Carbon (mg/L)			1 U		1 U	to 2 U	1.9	± 0.110	9
Chloride (mg/L)			↑39		1.1	to 12	4.6	± 1.400	9
Bromide (mg/L)			0.1 U		0.1 U	to 0.12	0.1	± 0.002	9
Turbidity (field) (NTU)		1.6	1.8	↓0.4	0.7	to 10.9	2.8	± 0.540	19
Methane (ug/L)			↓5.2 U		20 U	to 20 U	20	± 0.000	3

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

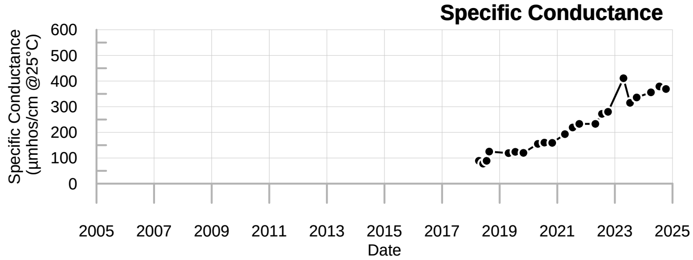
U = Not Detected above the laboratory reporting limit.

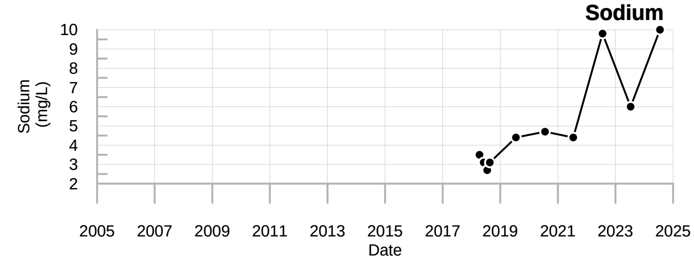
		Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

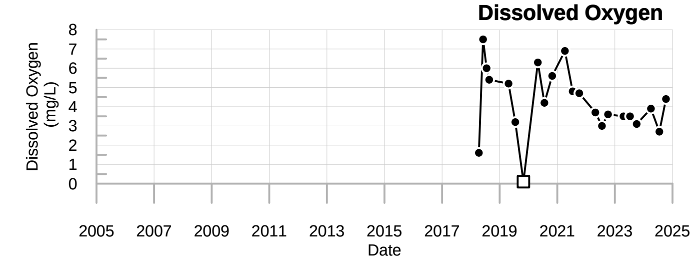
Data Group: 245
Printed: 4/16/2025 11:26

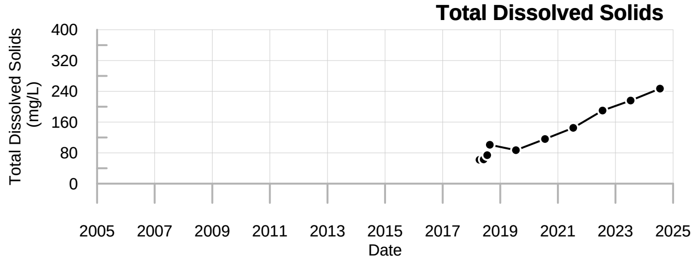
SME SEVEE & MAHER ENGINEERS

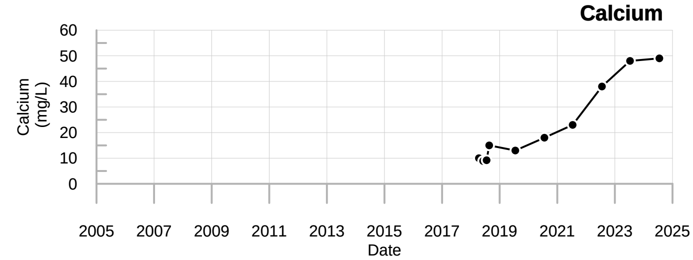
OW-604A

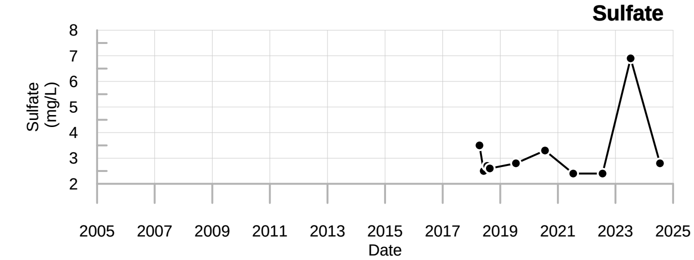


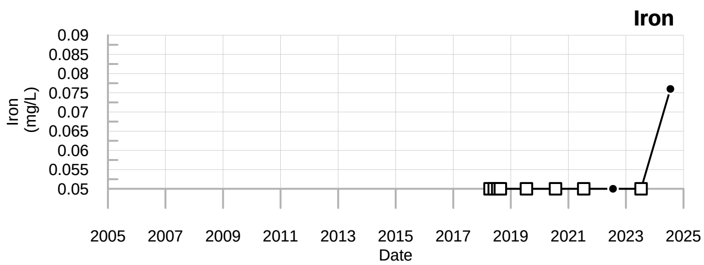


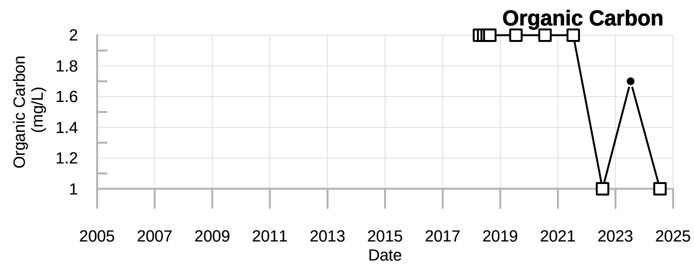


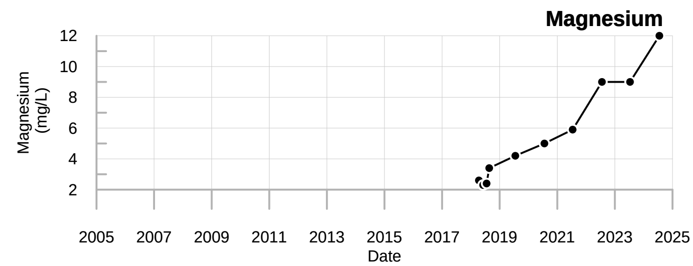


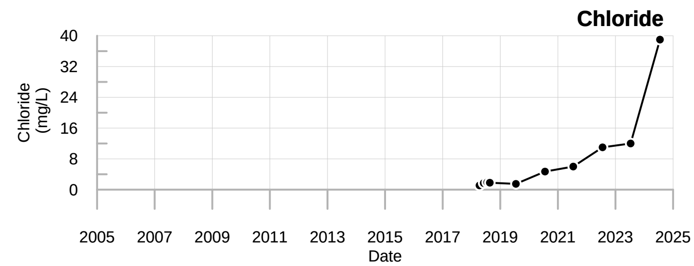


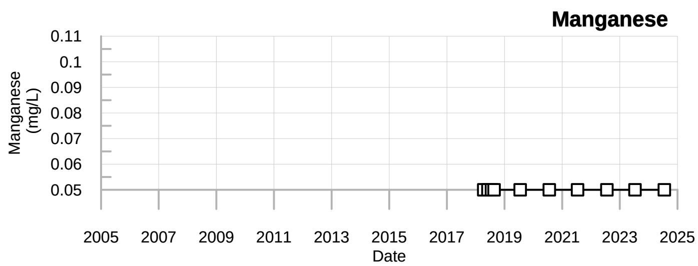


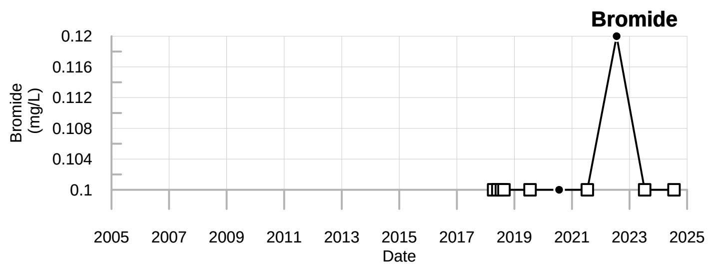












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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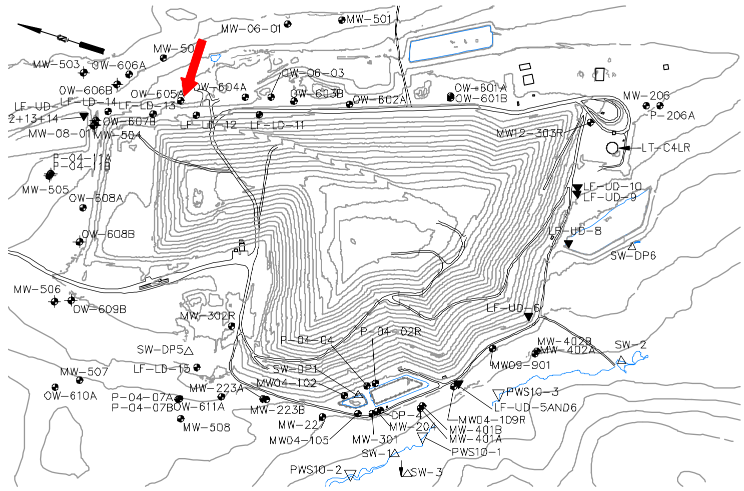
OW-604A
Juniper Ridge Landfill

Well Description

OW-605A monitors bedrock groundwater downgradient and east of the landfill expansion.

Screen Interval:	**60 ft. to 260 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**Apr-2018**
Material Screened:	**Bedrock (Open Borehole)**
Well Condition:	**Good**
Sampling Method:	**Low Flow**



Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		102	262	261	83	to	272	190	±	17.000	12
pH (STU)		7.7	6.6	6.9	6.4	to	7.7	7.1	±	0.120	12
Temperature (Deg C)		11.1	14.2	11	7.5	to	15.2	11	±	0.770	12
Water Level Depth (Feet)		↓20.6	21.47	21.9	20.65	to	25.25	23	±	0.460	12
Water Level Elevation (Feet)		↑166.16	165.29	164.86	161.51	to	166.11	160	±	0.460	12
Water Level Reference Point (Feet)		186.76	186.76	186.76	186.76	to	186.76	190	±	0.000	12
Eh (mV)		↑399	358	333	203	to	397	290	±	19.000	12
Dissolved Oxygen (mg/L)		2.7	3	5.3	1.2	to	7.5	3.7	±	0.760	12
Well Depth (Feet)				160.45	155	to	260	190	±	35.000	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005	0.005	±	0.000	8
Calcium (mg/L)			36		17	to	39	26	±	3.500	8
Copper (mg/L)			0.003 U		0.003 U	to	0.015	0.005	±	0.002	6
Iron (mg/L)			7.6		0.1	to	8.9	1.5	±	1.100	8
Magnesium (mg/L)			7.9		3.8	to	9.1	6.1	±	0.790	8
Manganese (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	8
Potassium (mg/L)			0.81		0.4	to	0.89	0.56	±	0.059	8
Sodium (mg/L)			↑9.2		3.4	to	6.3	4.8	±	0.430	8
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	4
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.25 U	0.23	±	0.009	8
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	6
Nitrite/Nitrate - (N) (mg/L)			↓0.05 U		0.086	to	0.23	0.14	±	0.019	8
Total Dissolved Solids (mg/L)			167		61	to	179	120	±	13.000	8
Total Suspended Solids (mg/L)			14		2.5 U	to	35	7.4	±	4.000	8
Sulfate (mg/L)			2 U		2 U	to	3.4	2.6	±	0.210	8
Sulfide (mg/L)			↑0.5 U		0.1 U	to	0.1 U	0.1	±	0.000	6
Alkalinity (CaCO3) (mg/L)			110		27	to	120	70	±	11.000	8
Organic Carbon (mg/L)			1 U		1 U	to	2 U	1.8	±	0.160	8
Chloride (mg/L)			↑17		9.4	to	16	12	±	0.740	8
Bromide (mg/L)			0.1		0.1 U	to	0.13	0.1	±	0.004	8
Turbidity (field) (NTU)		2.1	1.2	0.4	0.2	to	8.9	3.1	±	0.960	12
Methane (ug/L)			↓5.2 U		20 U	to	430	120	±	100.000	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

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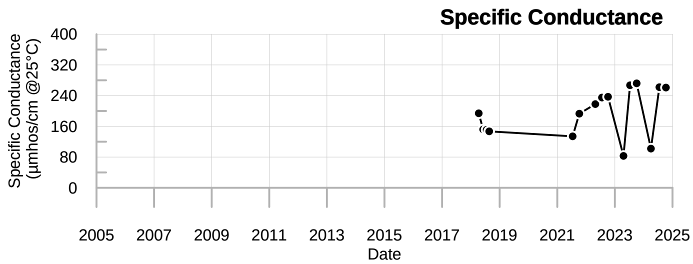
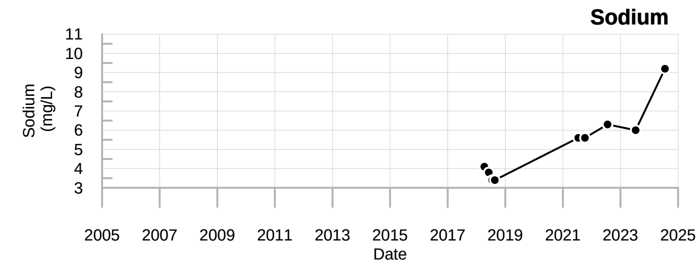
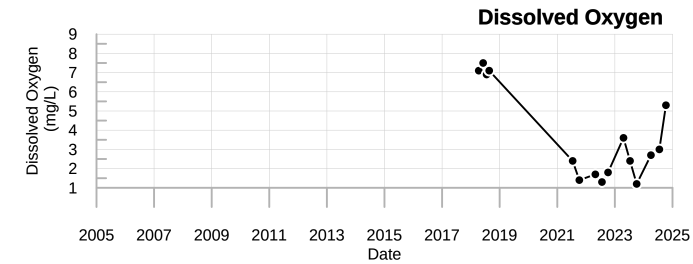
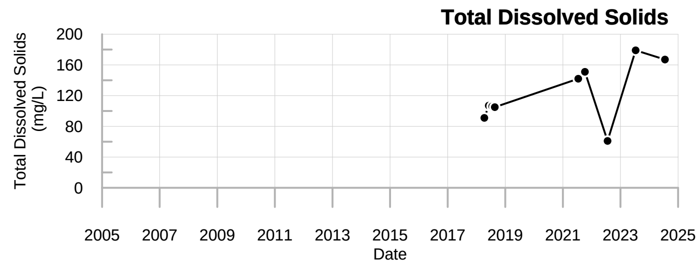
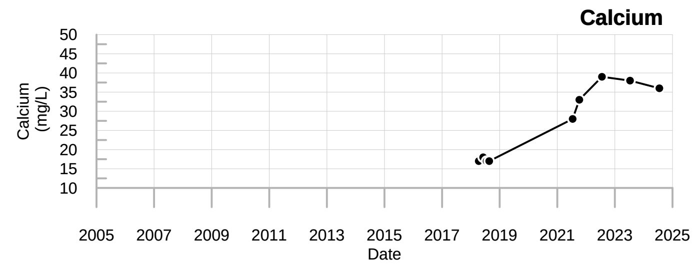
OW-605A

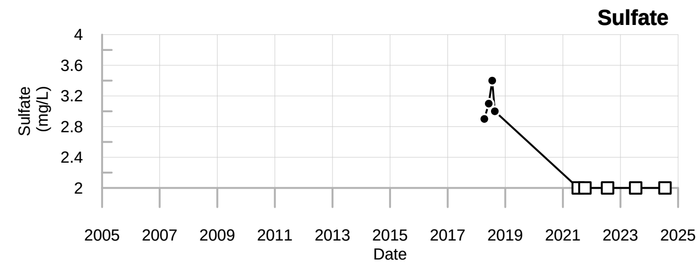


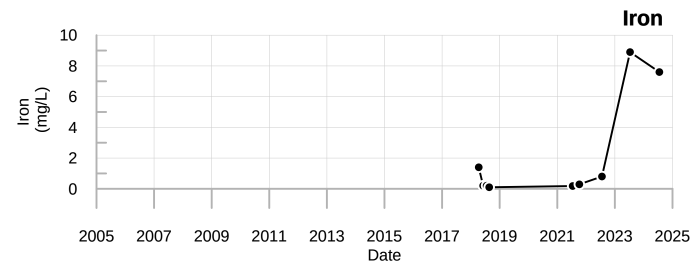


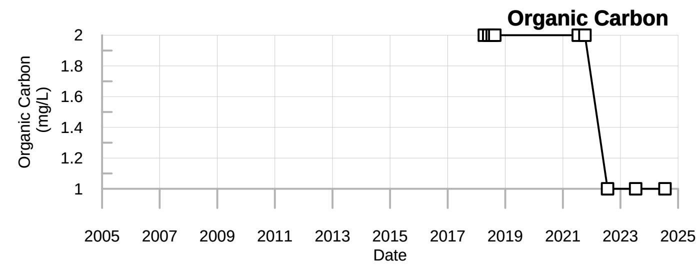


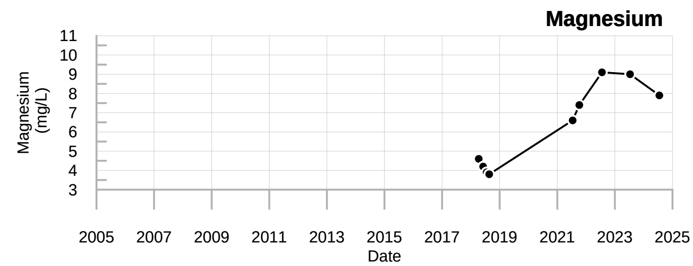


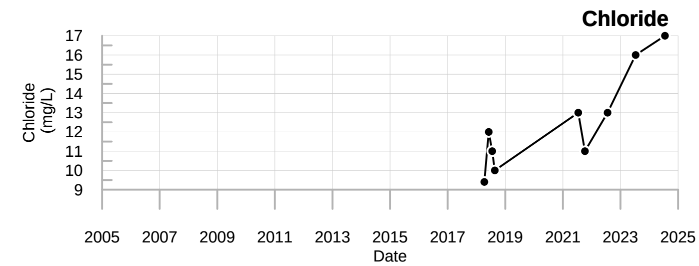


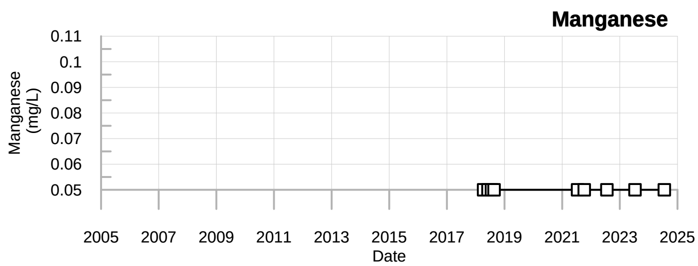


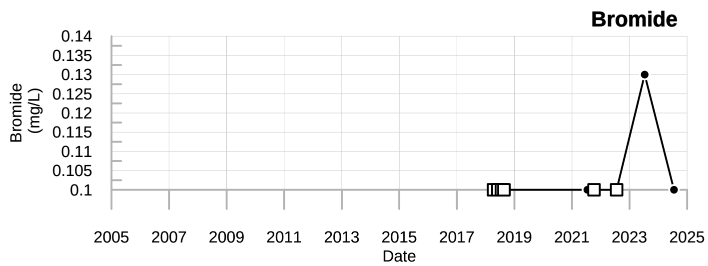












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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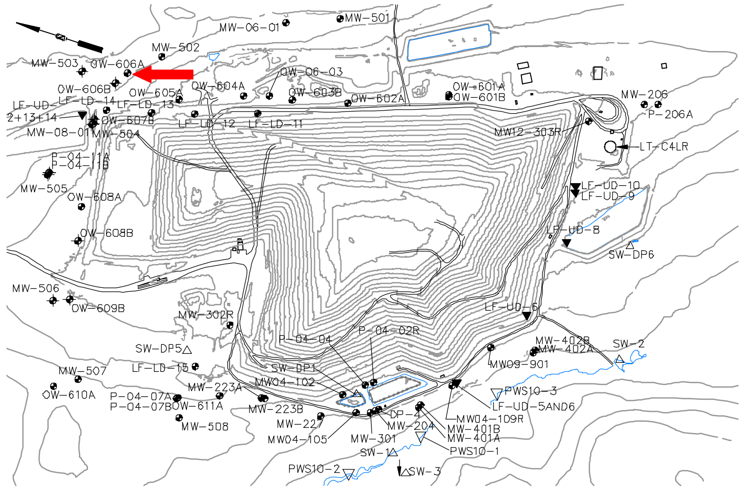
OW-605A
Juniper Ridge Landfill

Well Description

OW-606A monitors bedrock groundwater downgradient and east of the landfill expansion.



Screen Interval:	**40 ft. to 240 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**Apr-2018**
Material Screened:	**Bedrock (Open Borehole)**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		371	385	346	167	to	427	320	±	18.000	12
pH (STU)		8	7.8	7.6	7.4	to	8.4	7.8	±	0.088	12
Temperature (Deg C)		9.1	8.2	12	5.5	to	13	9.8	±	0.640	12
Water Level Depth (Feet)		F1	F1	↓0.04	3.95	to	3.95	4	±	0.000	1
Water Level Elevation (Feet)				↑159.58	155.67	to	155.67	160	±	0.000	1
Water Level Reference Point (Feet)		159.62	159.62	159.62	159.62	to	159.62	160	±	0.000	4
Eh (mV)		398	329	439	248	to	485	350	±	24.000	12
Dissolved Oxygen (mg/L)		6.2	5.1	4.6	2.6	to	8.3	4.1	±	0.420	12
Well Depth (Feet)				200 >	200	to	240	210	±	13.000	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005	0.005	±	0.000	8
Calcium (mg/L)			↑48		38	to	47	43	±	1.200	8
Copper (mg/L)			↑0.0071		0.003 U	to	0.003 U	0.003	±	0.000	6
Iron (mg/L)			0.05 U		0.05 U	to	3.5	0.56	±	0.420	8
Magnesium (mg/L)			11		8.4	to	11	9.5	±	0.370	8
Manganese (mg/L)			0.05 U		0.05 U	to	0.11	0.06	±	0.008	8
Potassium (mg/L)			1.3		1	to	1.6	1.2	±	0.068	8
Sodium (mg/L)			9.7		8.3	to	10	9.1	±	0.230	8
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	4
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.3	0.24	±	0.011	8
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	6
Nitrite/Nitrate - (N) (mg/L)			↓0.25		0.26	to	0.49	0.35	±	0.030	8
Total Dissolved Solids (mg/L)			↑235		195	to	234	220	±	5.800	8
Total Suspended Solids (mg/L)			8.3 U		2.5 U	to	16	4.2	±	1.700	8
Sulfate (mg/L)			7.7		7.6	to	36	12	±	3.500	8
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	6
Alkalinity (CaCO3) (mg/L)			↑150		91	to	130	100	±	4.700	8
Organic Carbon (mg/L)			1 U		1 U	to	2 U	1.8	±	0.160	8
Chloride (mg/L)			35		35	to	44	39	±	1.300	8
Bromide (mg/L)			↑0.2		0.1 U	to	0.16	0.11	±	0.008	8
Turbidity (field) (NTU)		0.2	↓0.1	0.2	0.2	to	3.1	0.89	±	0.270	12
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	±	0.000	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.
F1 = Well was flowing
> = Greater than specified amount.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

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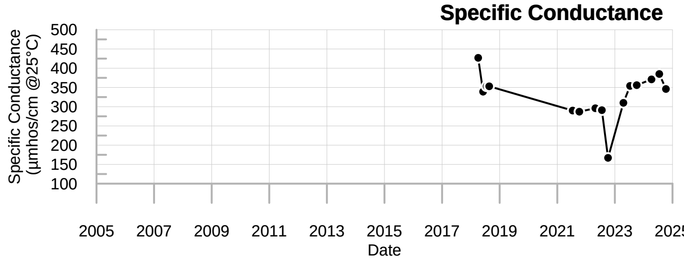

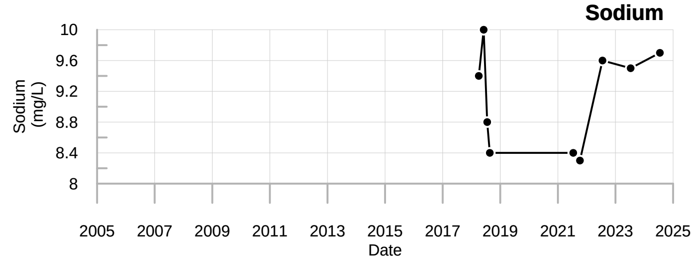

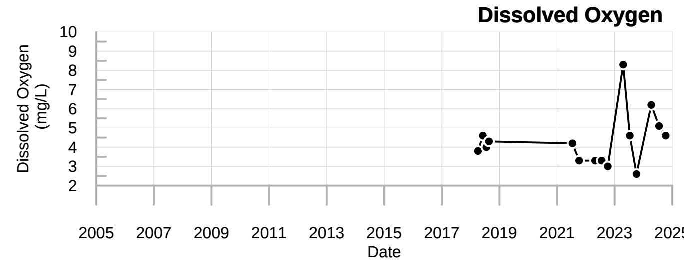

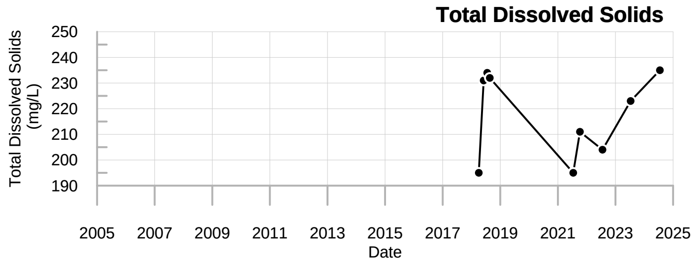

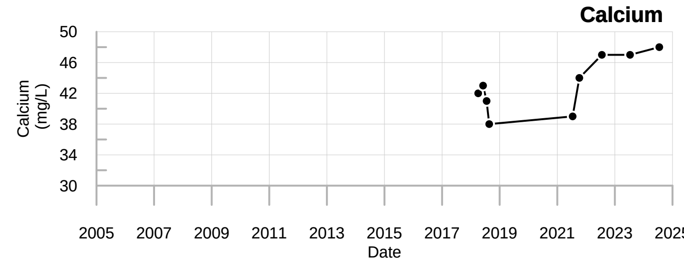

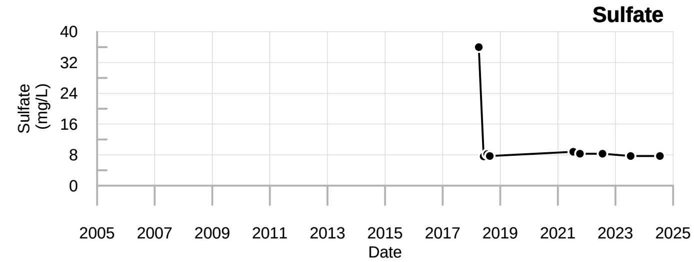

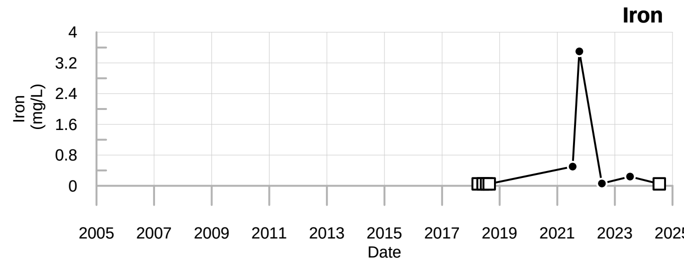

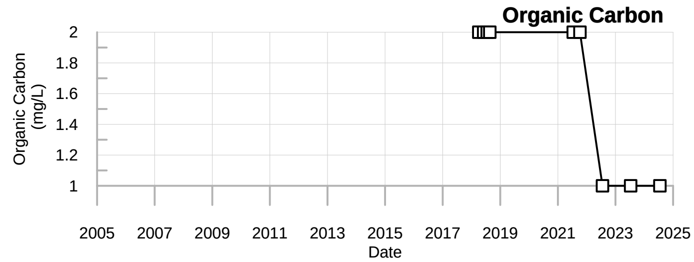

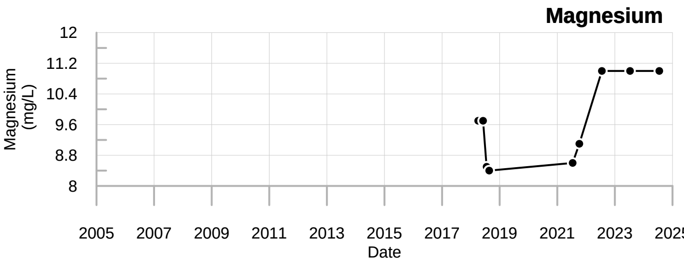

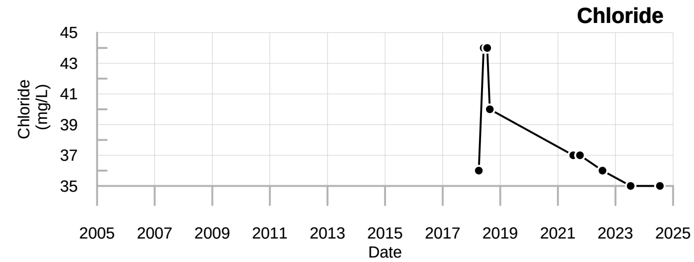

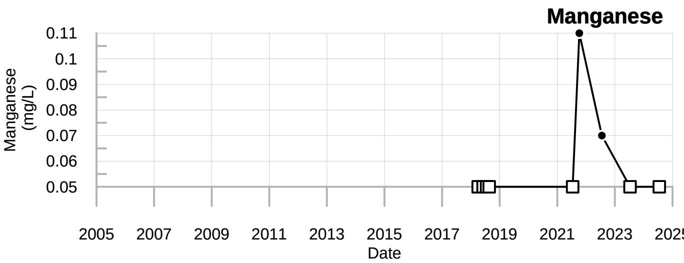

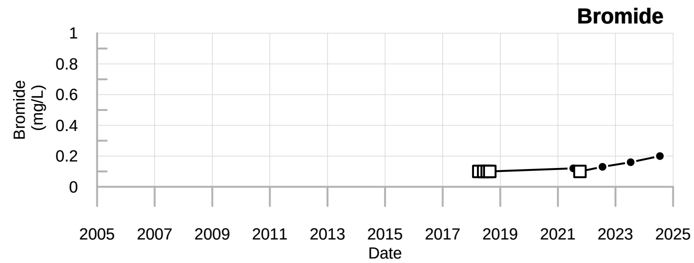

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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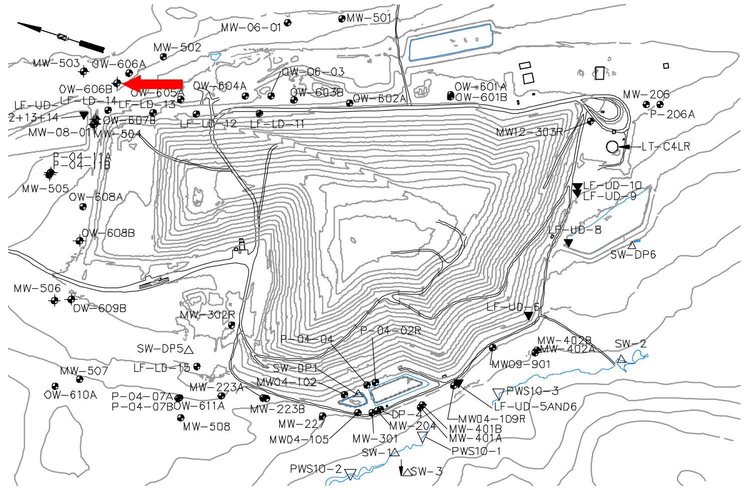
OW-606A
Juniper Ridge Landfill

Well Description

OW-606B monitors overburden/bedrock groundwater downgradient of and northwest of the landfill expansion.



Screen Interval: **7 ft. to 12.7 ft.**

Sampled: **3 Times Annually***

Sampled Since: **2/9/2021**

Material Screened: **Overburden/Bedrock**

Well Condition: **Good**

Sampling Method: **Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		174	183	183	151	to	291	190	±	14.000	11
pH (STU)		↑8	7.6	7.1	6.9	to	7.8	7.4	±	0.091	11
Temperature (Deg C)		↓4.6	15.9	12.6	5.5	to	17.1	11	±	1.000	11
Water Level Depth (Feet)		3.55	3.82	3.78	3.03	to	4.29	3.5	±	0.130	11
Water Level Elevation (Feet)		162.326	162.056	162.096	161.586	to	162.846	160	±	0.130	11
Water Level Reference Point (Feet)		165.876	165.876	165.876	165.876	to	165.876	170	±	0.000	12
Eh (mV)		401	334	441	162	to	476	340	±	26.000	11
Dissolved Oxygen (mg/L)		5.8	9.6	4.3	1.2	to	10.8	3.9	±	0.770	11
Well Depth (Feet)				17	17	to	17	17	±	0.000	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005 U	0.005	±	0.000	7
Calcium (mg/L)			21		19	to	28	23	±	1.000	7
Copper (mg/L)			0.003 U		0.003 U	to	0.003 U	0.003	±	0.000	7
Iron (mg/L)			0.15		0.09	to	1.4	0.45	±	0.180	7
Magnesium (mg/L)			4.4		4.2	to	5.7	4.9	±	0.190	7
Manganese (mg/L)			0.05 U		0.05 U	to	0.58	0.13	±	0.076	7
Potassium (mg/L)			↓1.1		1.2	to	2.1	1.6	±	0.100	7
Sodium (mg/L)			↓4.3		4.7	to	21	8	±	2.200	7
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	7
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.33	0.24	±	0.018	7
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	7
Nitrite/Nitrate - (N) (mg/L)			0.053		0.05 U	to	0.12	0.097	±	0.010	7
Total Dissolved Solids (mg/L)			123		114	to	286	160	±	23.000	7
Total Suspended Solids (mg/L)			8.3 U		6.3	to	880	160	±	120.000	7
Sulfate (mg/L)			↓4.3		4.5	to	33	9.9	±	3.900	7
Sulfide (mg/L)			0.1 U		0.1 U	to	0.5 U	0.17	±	0.057	7
Alkalinity (CaCO3) (mg/L)			67		60	to	120	74	±	7.900	7
Organic Carbon (mg/L)			1 U		1 U	to	2 U	1.7	±	0.180	7
Chloride (mg/L)			15		12	to	18	15	±	0.670	7
Bromide (mg/L)			0.1 U		0.1 U	to	0.12	0.11	±	0.003	7
Turbidity (field) (NTU)		0.5	0.4	0.4	0.3	to	9.2	2.1	±	0.950	11
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	±	0.000	7

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

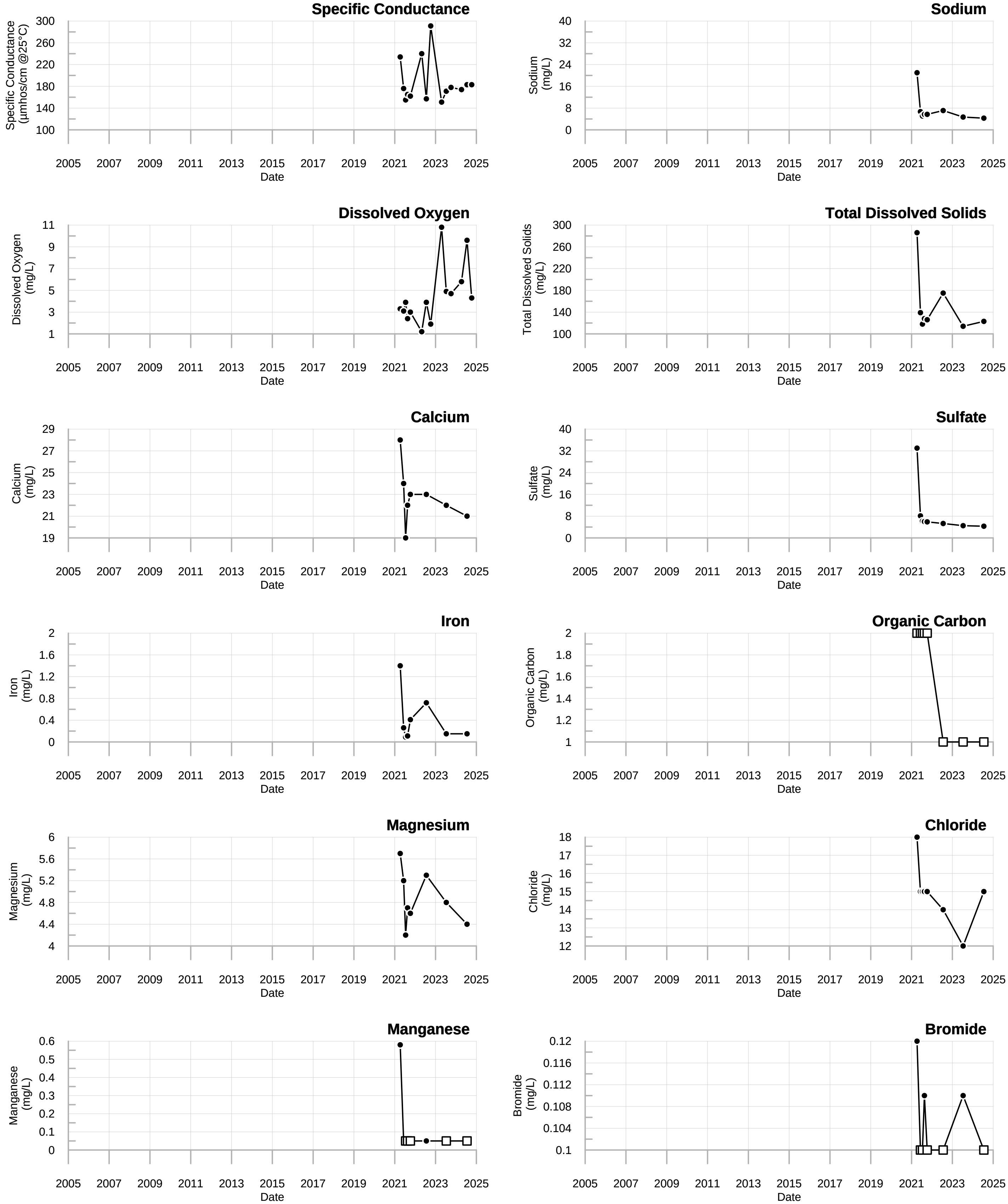
U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

SME
SEVEE & MAHER ENGINEERS

OW-606B



LEGEND

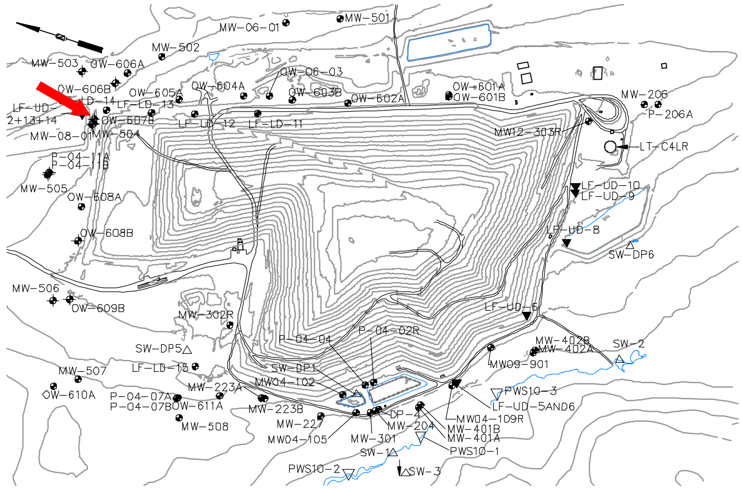
□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

OW-606B
Juniper Ridge Landfill

Well Description

OW-607B monitors overburden groundwater downgradient of and north of the landfill expansion.



Screen Interval:	**41 ft. to 51 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**2/9/2021**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		146	150	156	129	to	172	150	±	4.000	11
pH (STU)		7.4	7.6	↓6.9	7.1	to	7.9	7.5	±	0.092	11
Temperature (Deg C)		9.2	18.9	10.9	4.9	to	22.5	12	±	1.700	11
Water Level Depth (Feet)		18.6	18.72	19.88	8.2	to	20.8	15	±	1.500	11
Water Level Elevation (Feet)		163.2	163.08	161.92	161	to	166.977	160	±	0.580	11
Water Level Reference Point (Feet)		181.8	181.8	181.8	175.177	to	181.8	180	±	1.000	11
Eh (mV)		169	328	↑459	86	to	356	230	±	27.000	11
Dissolved Oxygen (mg/L)		3.9	↑4.4	2	0.5	to	3.9	2.2	±	0.330	11
Well Depth (Feet)				↑61.05	54	to	60.75	57	±	3.400	2
Arsenic (mg/L)			0.005 U		0.005 U	to	0.009	0.0071	±	0.000	7
Calcium (mg/L)			18		15	to	19	18	±	0.530	7
Copper (mg/L)			↑0.0034		0.003 U	to	0.003 U	0.003	±	0.000	7
Iron (mg/L)			0.05 U		0.05 U	to	0.18	0.073	±	0.018	7
Magnesium (mg/L)			↑6.2		5.2	to	6	5.5	±	0.140	7
Manganese (mg/L)			0.051		0.05 U	to	0.09	0.056	±	0.006	7
Potassium (mg/L)			1.4		0.9	to	1.5	1.1	±	0.082	7
Sodium (mg/L)			↑10		4.2	to	5.3	4.7	±	0.180	7
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	7
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.25 U	0.22	±	0.010	7
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	7
Nitrite/Nitrate - (N) (mg/L)			0.05 U		0.05 U	to	0.088	0.07	±	0.006	7
Total Dissolved Solids (mg/L)			97		89	to	111	99	±	3.100	7
Total Suspended Solids (mg/L)			8.3 U		2.5 U	to	32	7.1	±	4.200	7
Sulfate (mg/L)			↑6.6		3.3	to	6	4.7	±	0.350	7
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	7
Alkalinity (CaCO3) (mg/L)			71		38	to	81	64	±	4.900	7
Organic Carbon (mg/L)			1 U		1 U	to	2 U	1.7	±	0.180	7
Chloride (mg/L)			1.4		1.3	to	2.6	1.6	±	0.180	7
Bromide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	7
Turbidity (field) (NTU)		1	0.4	0.6	0.3	to	14.5	3.7	±	1.500	11
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	±	0.000	7

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

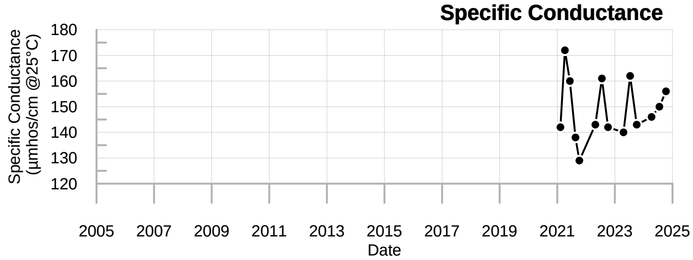
U = Not Detected above the laboratory reporting limit.

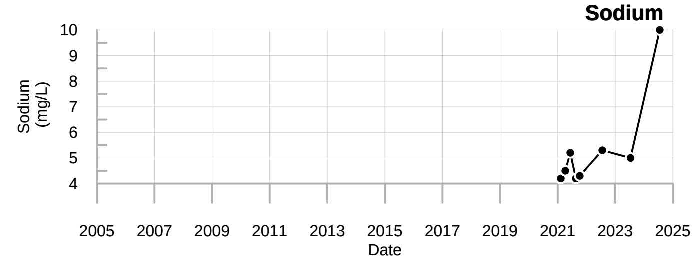
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

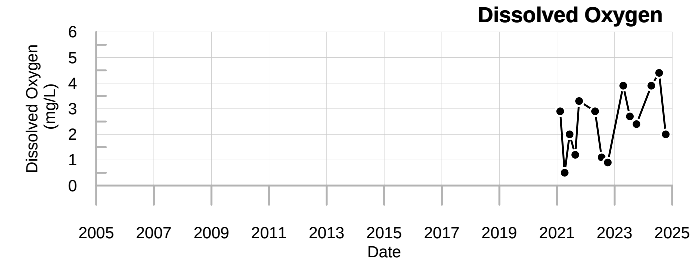
Data Group: 245
Printed: 4/16/2025 11:26

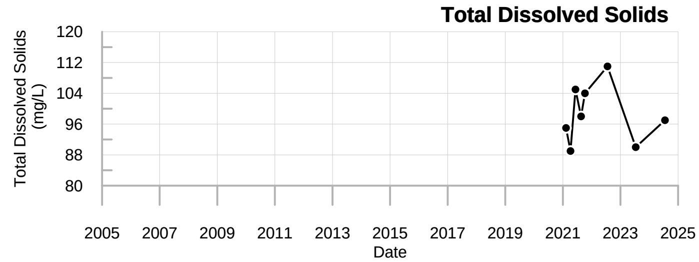
SME SEVEE & MAHER ENGINEERS

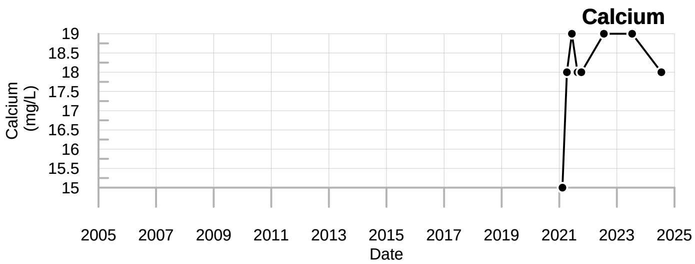
OW-607B

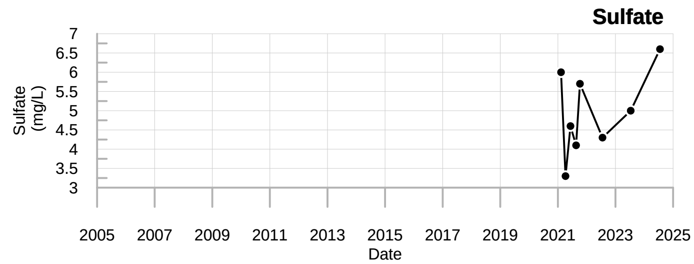


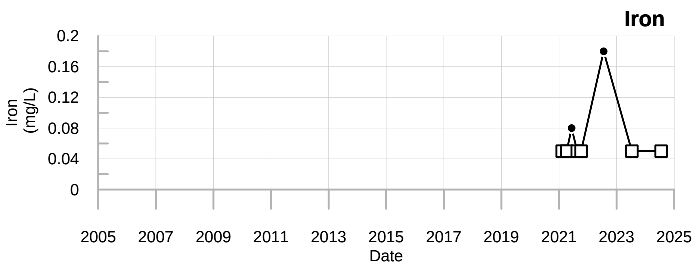


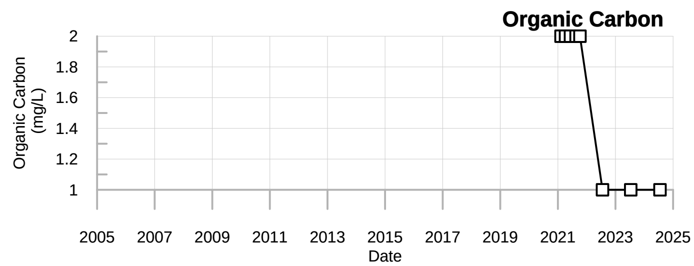


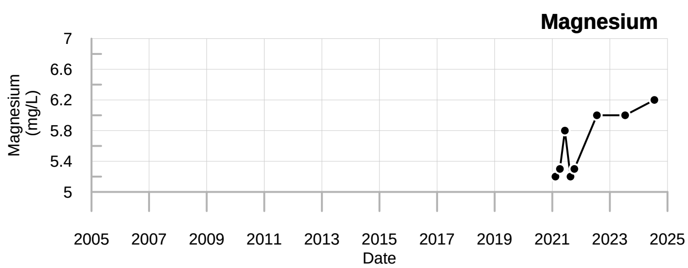


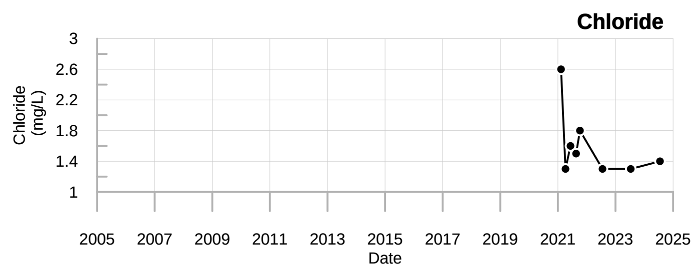


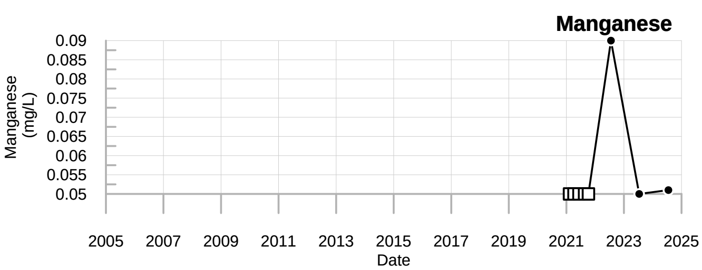


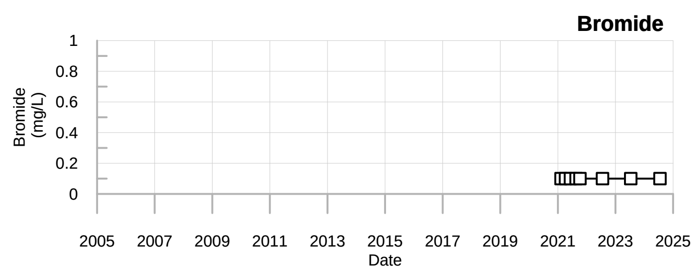












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

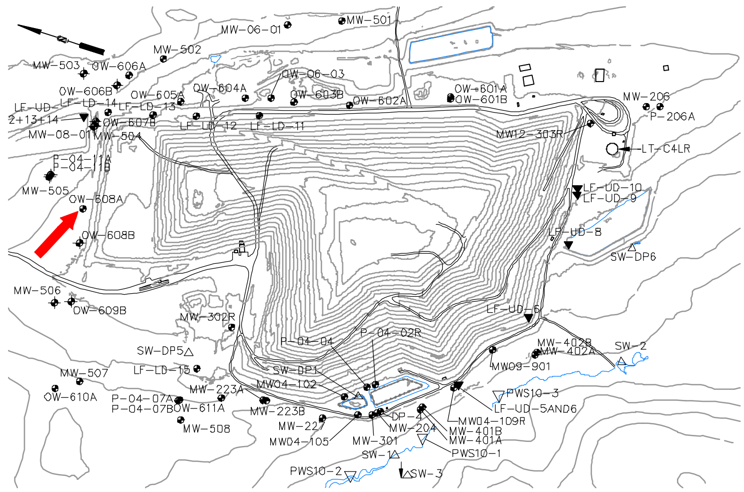
OW-607B

Juniper Ridge Landfill

Sevee & Maher Engineers, Inc.

Well Description

OW-608A monitors bedrock groundwater downgradient and north of the landfill expansion.



Screen Interval:	**60 ft. to 260 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**Apr-2018**
Material Screened:	**Bedrock (Open Borehole)**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		140	↓113	129	127	to	265	190	±	9.300	12
pH (STU)		↑9	↑9	8.7	7.8	to	8.7	8.2	±	0.089	12
Temperature (Deg C)		10.2	14.3	8.1	7.5	to	15.5	11	±	0.820	12
Water Level Depth (Feet)		37.5	37.7	↑38.4	35.72	to	38	37	±	0.190	12
Water Level Elevation (Feet)		↑161.99	↑161.79	↑161.09	158.61	to	160.89	160	±	0.190	12
Water Level Reference Point (Feet)		↑199.49	↑199.49	↑199.49	196.61	to	196.61	200	±	0.000	12
Eh (mV)		127	142	178	5	to	320	86	±	30.000	12
Dissolved Oxygen (mg/L)		1.6	1.7	1.2	0.2	to	6.4	1.1	±	0.520	12
Well Depth (Feet)				260	260	to	260	260	±	0.000	2
Arsenic (mg/L)			0.005 U		0.005 U	to	0.008	0.0055	±	0.000	8
Calcium (mg/L)			↓5.1		10	to	21	17	±	1.400	8
Copper (mg/L)			0.003 U		0.003 U	to	0.003 U	0.003	±	0.000	6
Iron (mg/L)			0.92		0.53	to	7.4	4.2	±	0.750	8
Magnesium (mg/L)			↓3.2		4.7	to	6.7	5.9	±	0.250	8
Manganese (mg/L)			0.05 U		0.05 U	to	0.16	0.068	±	0.014	8
Potassium (mg/L)			1.1		0.9	to	1.4	1	±	0.060	8
Sodium (mg/L)			12		12	to	15	14	±	0.380	8
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	4
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.37	0.25	±	0.020	8
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	6
Nitrite/Nitrate - (N) (mg/L)			0.05 U		0.05 U	to	0.077	0.056	±	0.003	8
Total Dissolved Solids (mg/L)			↓54		95	to	132	120	±	4.400	8
Total Suspended Solids (mg/L)			8.3 U		2.5 U	to	15	8.7	±	1.500	8
Sulfate (mg/L)			2 U		2 U	to	7.2	5.3	±	0.590	8
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	6
Alkalinity (CaCO3) (mg/L)			↓53		72	to	130	93	±	6.300	8
Organic Carbon (mg/L)			1 U		1 U	to	2 U	1.8	±	0.160	8
Chloride (mg/L)			3.1		1.2	to	4.1	2	±	0.340	8
Bromide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	8
Turbidity (field) (NTU)		1.6	8.7	5.1	1.2	to	12.5	6.6	±	1.200	12
Methane (ug/L)			↓15		20 U	to	140	50	±	30.000	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

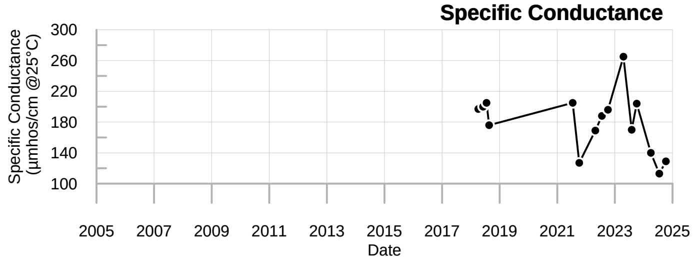
U = Not Detected above the laboratory reporting limit.

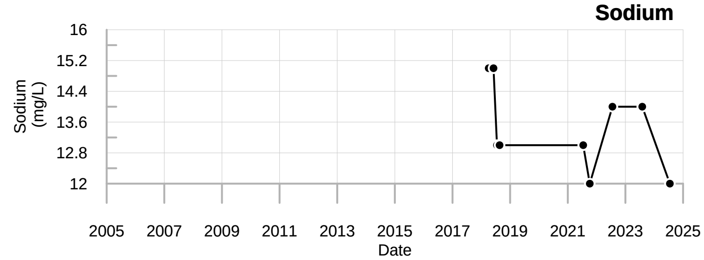
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

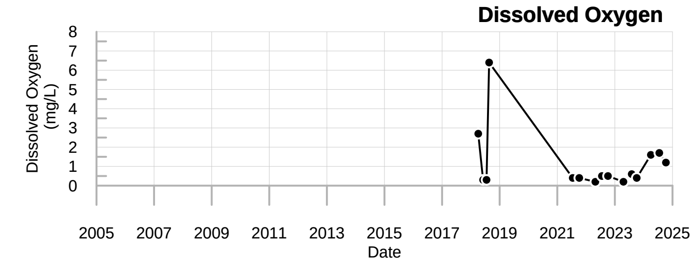
Data Group: 245
Printed: 4/16/2025 11:26

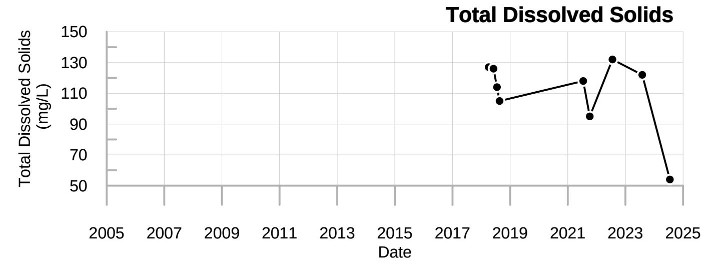
SME SEVEE & MAHER ENGINEERS

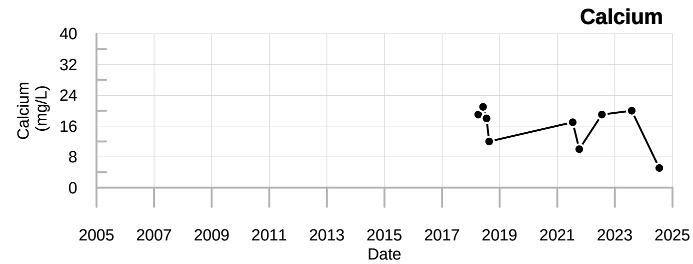
OW-608A

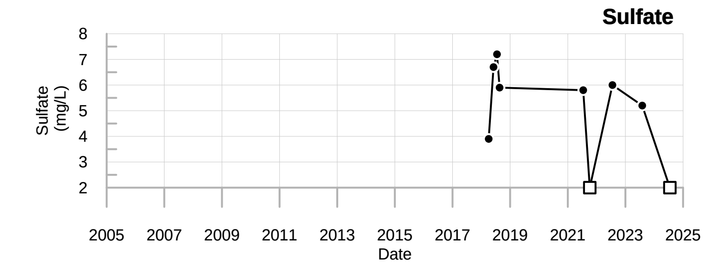


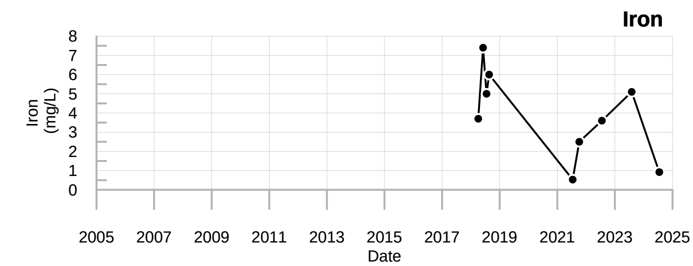


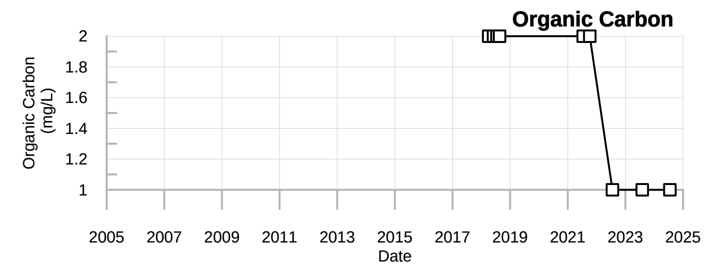


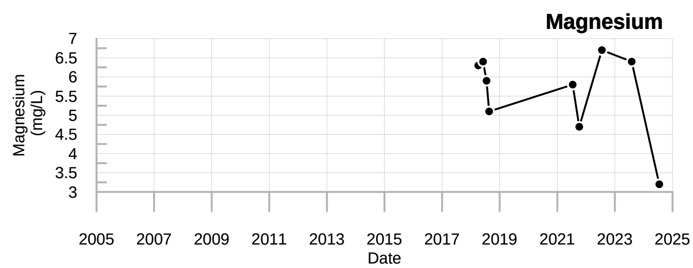


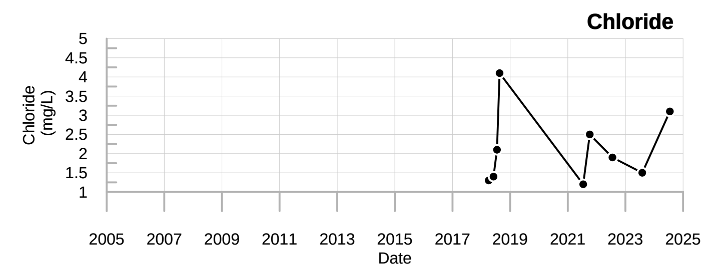


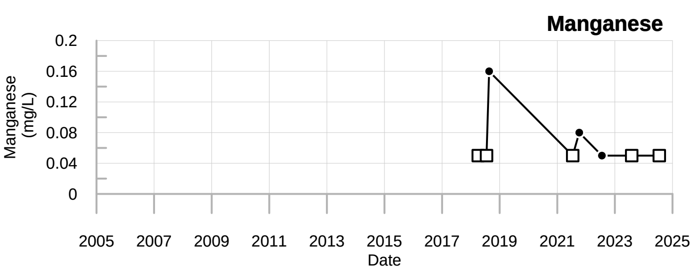


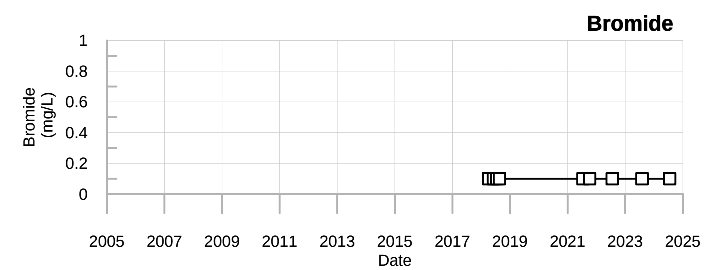












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

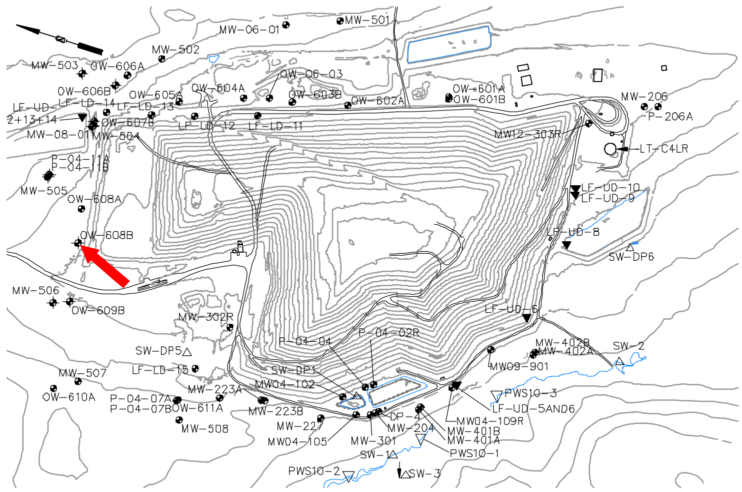
◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

OW-608A
Juniper Ridge Landfill

Well Description

OW-608B monitors overburden groundwater downgradient of and northwest of the landfill expansion.



Screen Interval: **33.5 ft. to 43.5 ft.**

Sampled: **3 Times Annually***

Sampled Since: **2/10/2021**

Material Screened: **Overburden**

Well Condition: **Good**

Sampling Method: **Low Flow**

Chemical Summary

	2024				Historical (11/1/1990 - 12/31/2023)						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		↓196	218	↓202	211	to	315	250	±	8.700	11
pH (STU)		7	↓6.6	↓6.6	6.8	to	8.6	8	±	0.160	11
Temperature (Deg C)		8.9	14.8	11.1	5.6	to	15.5	11	±	1.000	11
Water Level Depth (Feet)		6.6	7.8	↑10.75	4.35	to	9	6.8	±	0.430	11
Water Level Elevation (Feet)		194.804	193.604	↓190.654	192.404	to	197.054	190	±	0.430	11
Water Level Reference Point (Feet)		201.404	201.404	201.404	201.404	to	201.404	200	±	0.000	11
Eh (mV)		240	263	261	12	to	284	130	±	31.000	11
Dissolved Oxygen (mg/L)		1.9	0.2	1.3	0.2	to	2.1	0.73	±	0.180	11
Well Depth (Feet)				↑46.18	46.09	to	46.09	46	±	0.000	3
Arsenic (mg/L)			↓0.005 U		0.0067	to	0.0093	0.0084	±	0.000	7
Calcium (mg/L)			↑26		15	to	17	16	±	0.310	7
Copper (mg/L)			0.0056		0.003 U	to	0.007	0.0036	±	0.001	7
Iron (mg/L)			↑2		0.05 U	to	0.88	0.22	±	0.120	7
Magnesium (mg/L)			↓5.9		7.7	to	8.9	8.5	±	0.210	7
Manganese (mg/L)			0.16		0.05 U	to	0.24	0.13	±	0.025	7
Potassium (mg/L)			↑3		0.9	to	1.4	1.1	±	0.064	7
Sodium (mg/L)			↓8.6		19	to	33	27	±	1.800	7
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	7
Total Kjeldahl Nitrogen (mg/L)			↑0.56		0.2 U	to	0.25 U	0.22	±	0.010	7
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	7
Nitrite/Nitrate - (N) (mg/L)			↑0.22		0.05 U	to	0.066	0.055	±	0.003	7
Total Dissolved Solids (mg/L)			150		120	to	223	170	±	13.000	7
Total Suspended Solids (mg/L)			26		2.5 U	to	31	6.7	±	4.000	7
Sulfate (mg/L)			↓8.1		8.6	to	41	29	±	4.400	7
Sulfide (mg/L)			0.1 U		0.1 U	to	0.5 U	0.16	±	0.057	7
Alkalinity (CaCO3) (mg/L)			100		97	to	110	100	±	1.600	7
Organic Carbon (mg/L)			↑4.8		1 U	to	2 U	1.7	±	0.180	7
Chloride (mg/L)			3.5		1.4	to	6	3.1	±	0.640	7
Bromide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	7
Turbidity (field) (NTU)		↑6.1	↑12.3	↑18.5	0.8	to	5.1	2.5	±	0.440	11
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	±	0.000	7

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.
*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245

Printed: 4/16/2025 11:26

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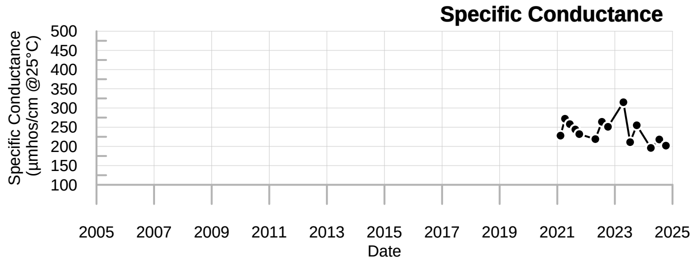

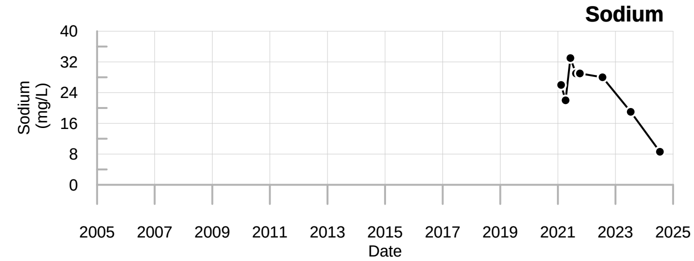

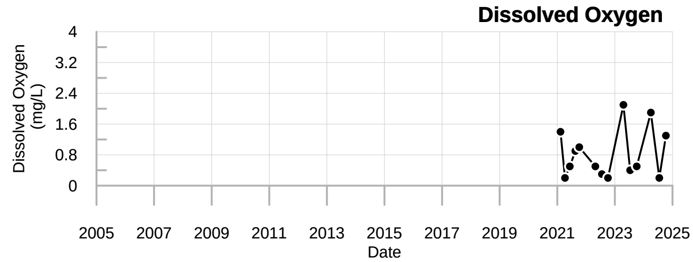

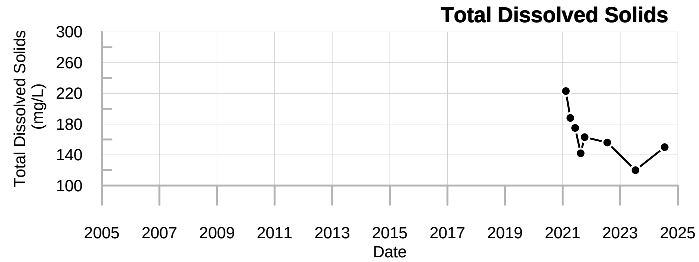

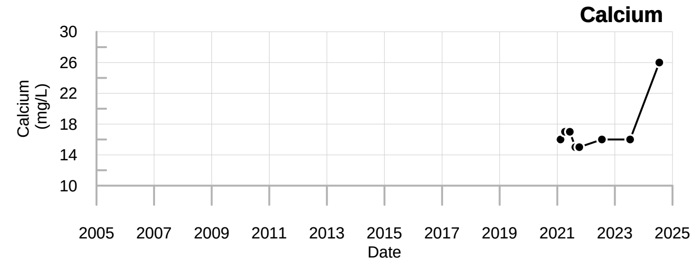

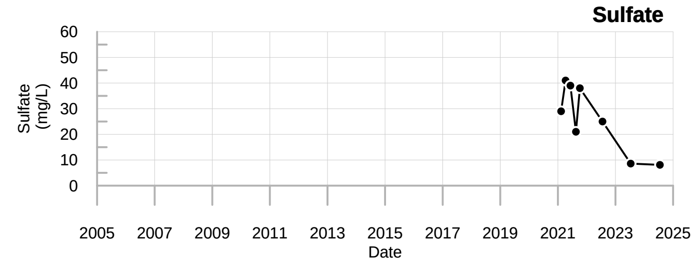

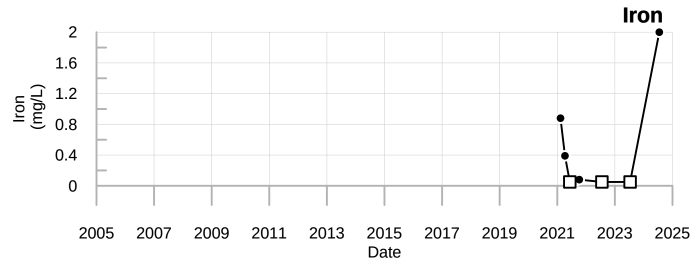

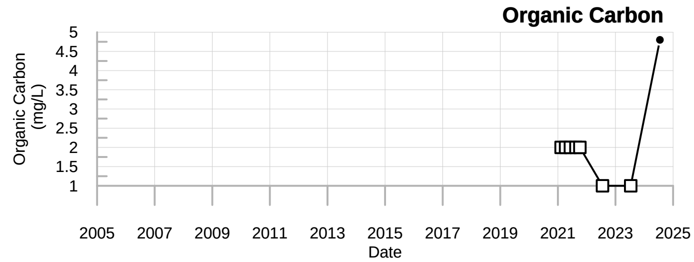

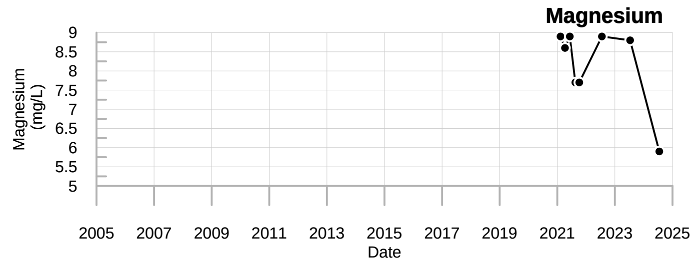

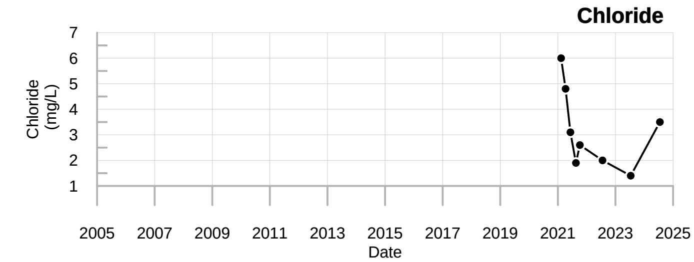

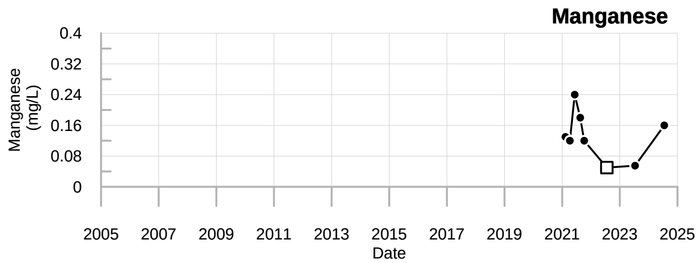

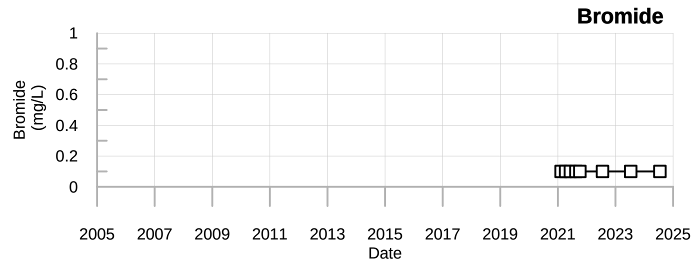

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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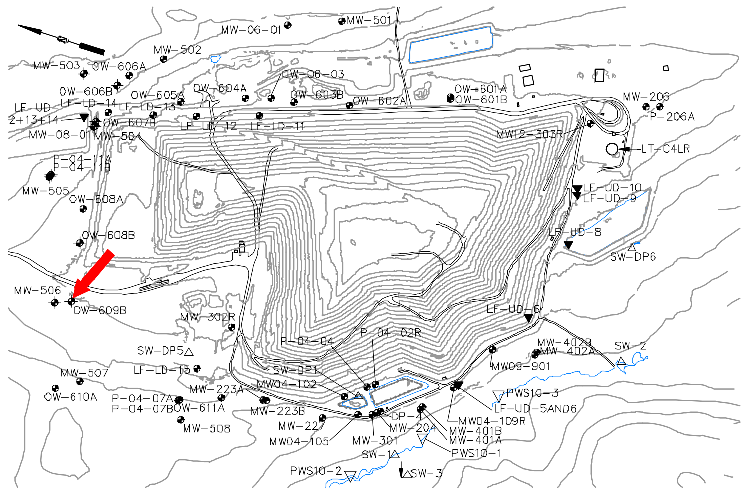
OW-608B
Juniper Ridge Landfill

OW-609B

Juniper Ridge Landfill

Well Description

OW-609B monitors overburden groundwater downgradient of and northwest of the landfill expansion.



Screen Interval:	**39 ft. to 49 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**2/10/2021**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		↓140	376	344	226	to	477	340	± 27.000	11
pH (STU)		6.8	7.5	7.2	6.8	to	7.8	7.4	± 0.095	11
Temperature (Deg C)		7.5	↑13.6	12.3	6.2	to	12.5	9.8	± 0.660	11
Water Level Depth (Feet)		↓6	12.35	17.25	6.3	to	18.65	15	± 1.000	11
Water Level Elevation (Feet)		195.77	↓189.42	↓184.52	194.277	to	206.627	200	± 1.000	11
Water Level Reference Point (Feet)		↓201.77	↓201.77	↓201.77	212.927	to	212.927	210	± 0.000	11
Eh (mV)		289	265	237	71	to	315	190	± 23.000	11
Dissolved Oxygen (mg/L)		3.2	2.4	1.2	0.3	to	7	1.9	± 0.640	11
Well Depth (Feet)				↑51.65	51.61	to	51.61	52	± 0.000	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.008	0.006	± 0.000	8
Calcium (mg/L)			21		17	to	25	21	± 1.100	8
Copper (mg/L)			↑0.006		0.003 U	to	0.004	0.0031	± 0.000	8
Iron (mg/L)			0.39		0.25	to	0.71	0.42	± 0.055	8
Magnesium (mg/L)			6.5		1.9	to	7.9	5.5	± 0.960	8
Manganese (mg/L)			↓0.05 U		0.09	to	0.51	0.32	± 0.051	8
Potassium (mg/L)			1.4		1.1	to	1.5	1.4	± 0.049	8
Sodium (mg/L)			**<u>40</u>**		23	to	81	48	± 7.200	8
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	± 0.000	8
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.84	0.35	± 0.089	7
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	± 0.000	7
Nitrite/Nitrate - (N) (mg/L)			0.05 U		0.05 U	to	0.5 U	0.12	± 0.064	7
Total Dissolved Solids (mg/L)			222		209	to	543	300	± 43.000	7
Total Suspended Solids (mg/L)			8.3 U		3	to	15	6.7	± 1.600	7
Sulfate (mg/L)			25		21	to	97	52	± 10.000	7
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	± 0.000	7
Alkalinity (CaCO3) (mg/L)			98		71	to	120	100	± 8.000	7
Organic Carbon (mg/L)			1.5		1.5	to	5.5	2.7	± 0.520	7
Chloride (mg/L)			49		13	to	51	32	± 4.500	7
Bromide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	± 0.000	7
Turbidity (field) (NTU)		23.5	9	↓0.7	1.2	to	32.4	7.9	± 2.700	11
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	± 0.000	7

<u>underlined/bold</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.
*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

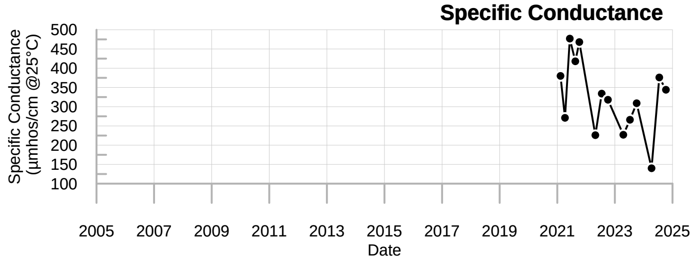
U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

SME
SEVEE & MAHER ENGINEERS

Specific Conductance



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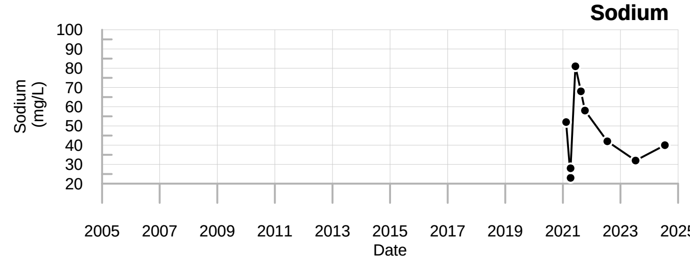
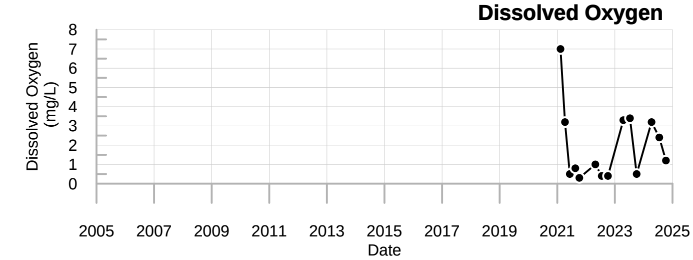
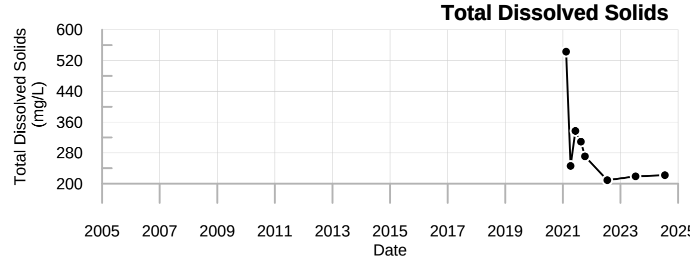


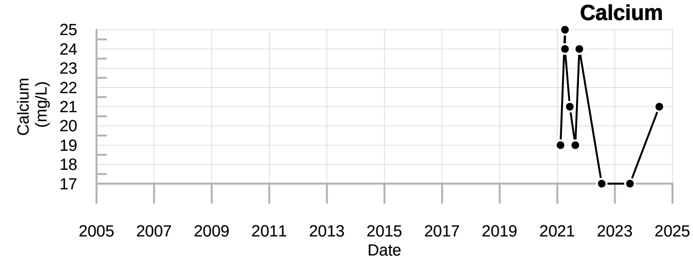
Dissolved Oxygen



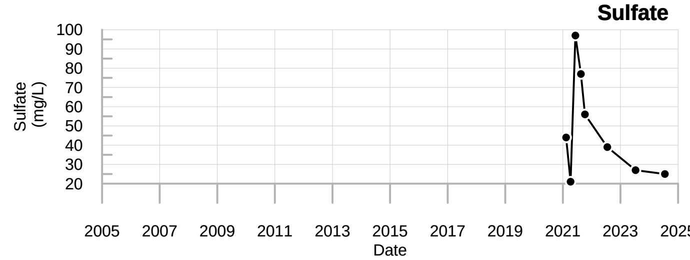
Total Dissolved Solids



Calcium



Sulfate



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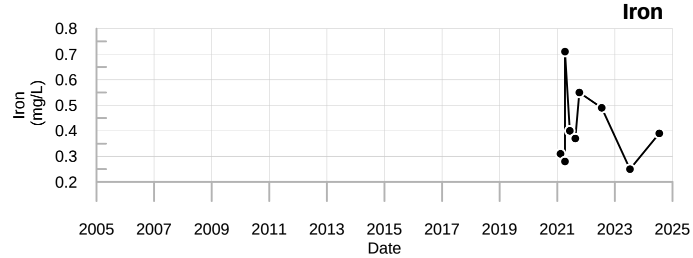
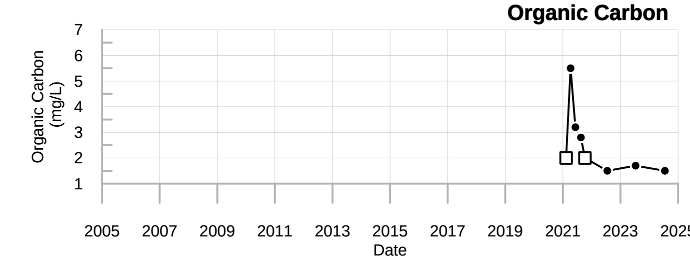
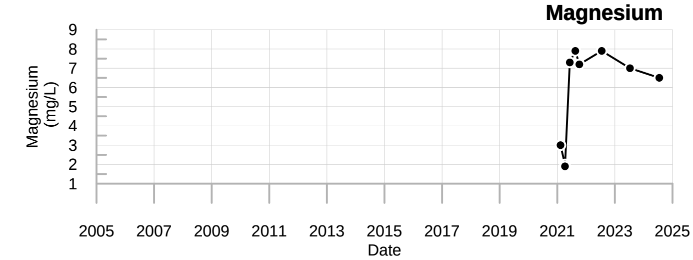


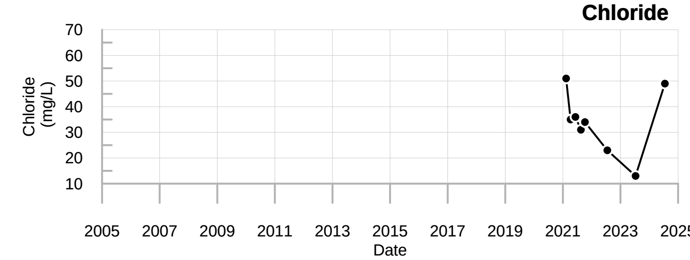
Organic Carbon



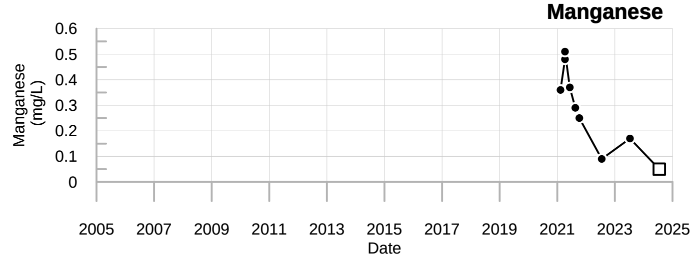
Magnesium



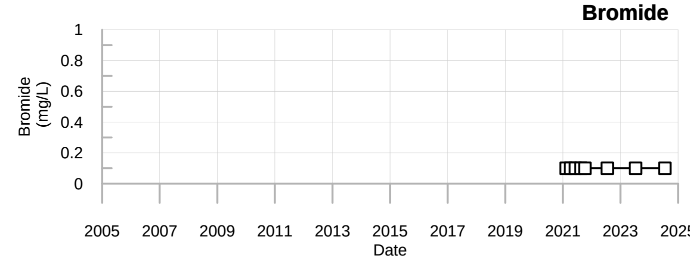
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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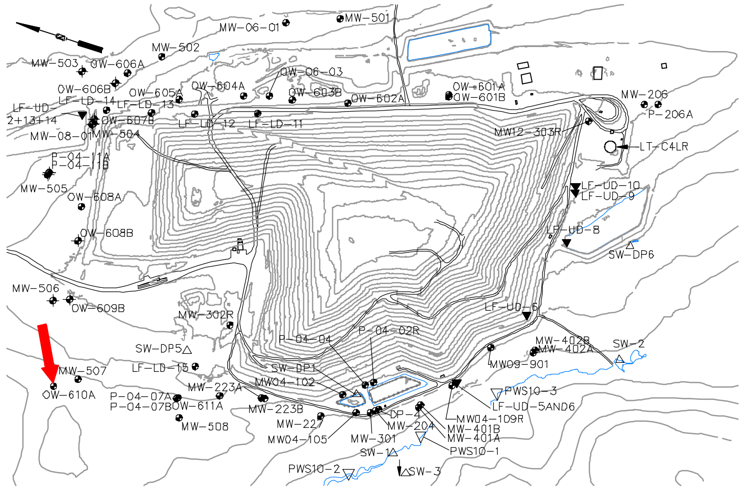
OW-609B
Juniper Ridge Landfill

Well Description

OW-610A monitors bedrock groundwater downgradient of and southwest of the landfill expansion.



Screen Interval: **26.7 ft. to 36.7 ft.**

Sampled: **3 Times Annually***

Sampled Since: **10/5/22**

Material Screened: **Bedrock**

Well Condition: **Good**

Sampling Method: **Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		453	450	422	350	to	521	410	±	27.000	6
pH (STU)		7.1	6.9	↓6.5	6.9	to	8.2	7.4	±	0.190	6
Temperature (Deg C)		7.2	↑24.6	↑15.3	5	to	12.7	9.8	±	1.200	6
Water Level Depth (Feet)		5.91	6.9	↑9.55	5.35	to	7.27	6.1	±	0.280	6
Water Level Elevation (Feet)		174.34	173.35	↓170.7	172.98	to	174.9	170	±	0.280	6
Water Level Reference Point (Feet)		180.25	180.25	180.25	180.25	to	180.25	180	±	0.000	6
Eh (mV)		220	230	170	87	to	254	170	±	27.000	6
Dissolved Oxygen (mg/L)		0.3	0.3	0.8	0.2	to	2.9	0.7	±	0.440	6
Well Depth (Feet)				↑39.54	39.52	to	39.52	40	±	0.000	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.0051	0.005	±	0.000	5
Calcium (mg/L)			72		67	to	77	72	±	2.000	5
Copper (mg/L)			↑0.0045		0.003 U	to	0.003 U	0.003	±	0.000	5
Iron (mg/L)			↑0.079		0.05 U	to	0.063	0.053	±	0.003	5
Magnesium (mg/L)			5.1		5	to	7.4	6	±	0.460	5
Manganese (mg/L)			**<u>1.7</u>**		1.5	to	2.7	1.9	±	0.220	5
Potassium (mg/L)			0.87		0.77	to	1.2	0.96	±	0.074	5
Sodium (mg/L)			5.7		4.8	to	6.3	5.6	±	0.310	5
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	5
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.27	0.22	±	0.014	5
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	5
Nitrite/Nitrate - (N) (mg/L)			0.05 U		0.05 U	to	0.13	0.075	±	0.015	5
Total Dissolved Solids (mg/L)			275		210	to	286	250	±	13.000	5
Total Suspended Solids (mg/L)			↑8.3 U		2.5 U	to	4 U	2.8	±	0.300	5
Sulfate (mg/L)			2.2		2 U	to	3.1	2.8	±	0.190	5
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	5
Alkalinity (CaCO3) (mg/L)			190		150	to	200	170	±	8.700	5
Organic Carbon (mg/L)			2.1		1.6	to	2.2	1.8	±	0.130	5
Chloride (mg/L)			↓23		25	to	28	26	±	0.600	5
Bromide (mg/L)			↑0.13		0.1 U	to	0.1 U	0.1	±	0.000	5
Turbidity (field) (NTU)		1	↓0.6	1.8	0.8	to	2.8	1.8	±	0.310	6
Methane (ug/L)			↑1500		140	to	300	200	±	31.000	5

<u>underlined/bold</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245

Printed: 4/16/2025 11:26

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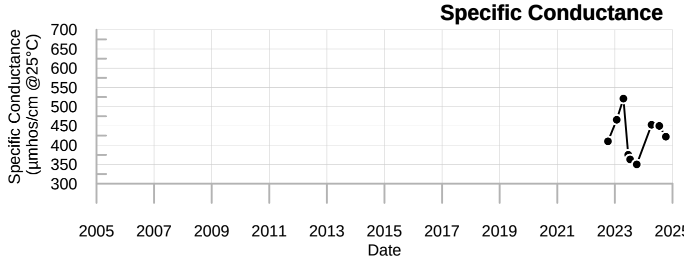
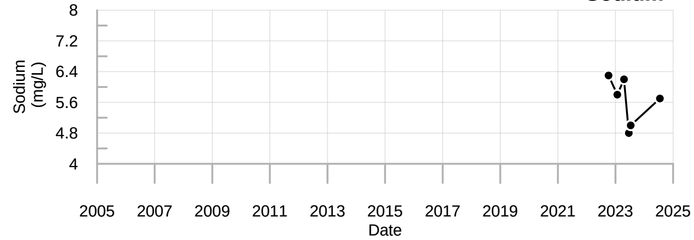
OW-610A

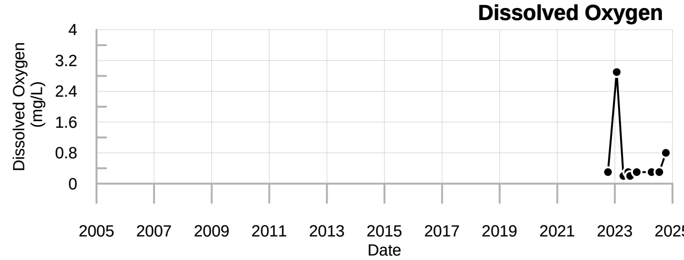
Specific Conductance



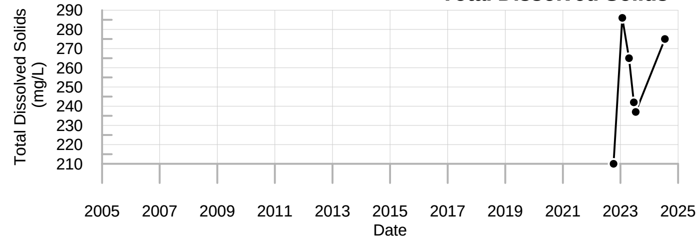
Sodium



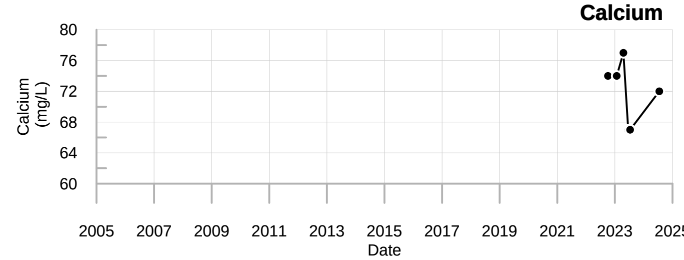
Dissolved Oxygen



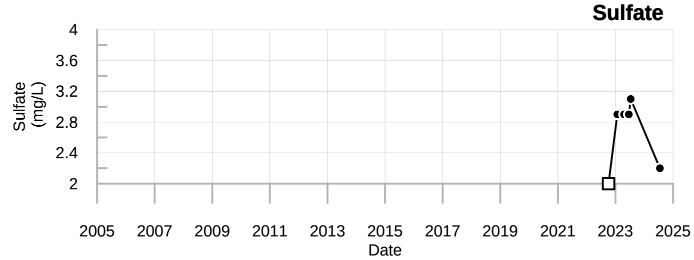
Total Dissolved Solids



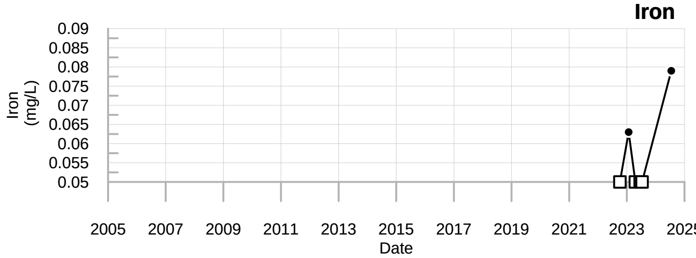
Calcium



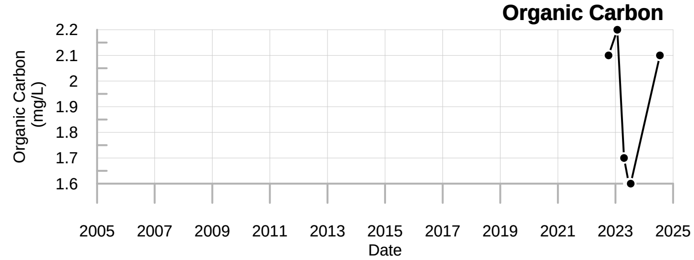
Sulfate



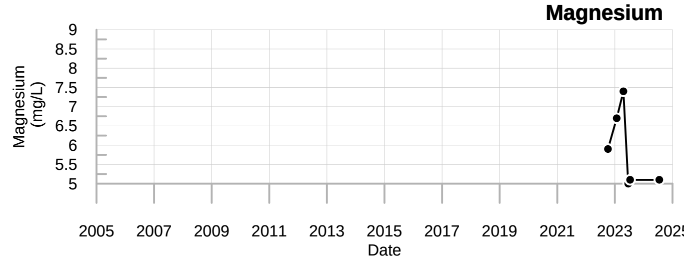
Iron



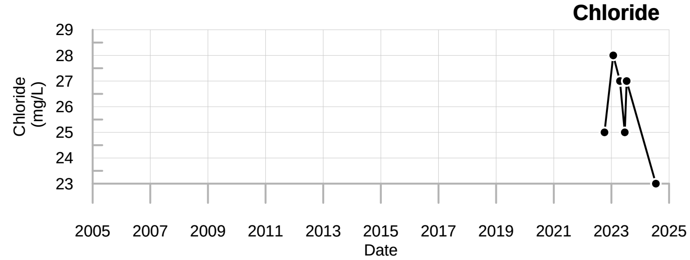
Organic Carbon



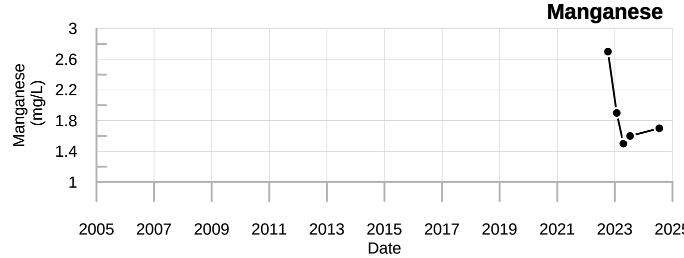
Magnesium



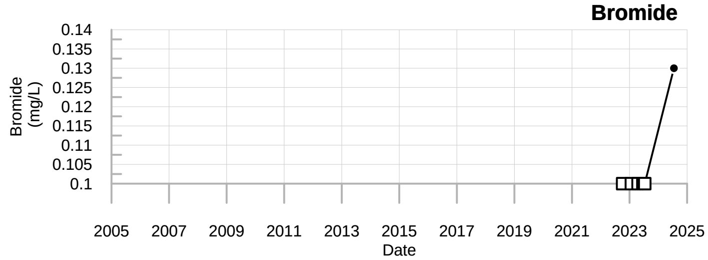
Chloride



Manganese



Bromide



LEGEND

- ☐ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

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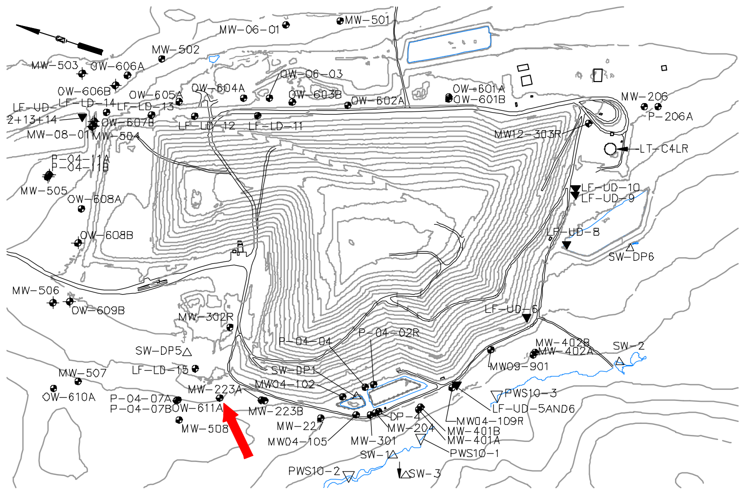
OW-610A
Juniper Ridge Landfill

Well Description

OW-611A monitors bedrock groundwater downgradient and west of the landfill expansion.



Screen Interval:	**20 ft. to 220 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**Apr-2018**
Material Screened:	**Bedrock (Open Borehole)**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

	2024				Historical (11/1/1990 - 12/31/2023)					
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		431	436	↓187	370	to	553	440	± 17.000	12
pH (STU)		6.8	7	↓6	6.6	to	7.7	7	± 0.080	12
Temperature (Deg C)		7.9	10.1	11.6	7	to	13.4	10	± 0.610	12
Water Level Depth (Feet)		9.85	↑11.28	↑13.32	7.54	to	11.03	9.5	± 0.310	12
Water Level Elevation (Feet)		175.3	↓173.87	↓171.83	174.12	to	177.61	180	± 0.310	12
Water Level Reference Point (Feet)		185.15	185.15	185.15	185.15	to	185.15	190	± 0.000	12
Eh (mV)		390	342	409	227	to	451	320	± 22.000	12
Dissolved Oxygen (mg/L)		3.8	6.9	↓1.9	2	to	7.5	4.3	± 0.390	12
Well Depth (Feet)				220	220	to	220	220	± 0.000	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.007	0.0053	± 0.000	8
Calcium (mg/L)			64		52	to	67	59	± 2.000	8
Copper (mg/L)			0.003 U		0.003 U	to	0.003 U	0.003	± 0.000	6
Iron (mg/L)			↑2.3		0.05 U	to	1.6	0.4	± 0.180	8
Magnesium (mg/L)			6.7		5	to	7.3	6.1	± 0.300	8
Manganese (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	± 0.000	8
Potassium (mg/L)			1.3		0.8	to	1.5	1	± 0.075	8
Sodium (mg/L)			20		12	to	20	15	± 1.000	8
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	± 0.000	4
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.32	0.25	± 0.014	8
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	± 0.000	6
Nitrite/Nitrate - (N) (mg/L)			0.89		0.33	to	1.1	0.59	± 0.090	8
Total Dissolved Solids (mg/L)			278		233	to	301	270	± 8.300	8
Total Suspended Solids (mg/L)			↑8.3 U		2.5 U	to	2.5 U	2.5	± 0.000	8
Sulfate (mg/L)			19		13	to	40	19	± 3.100	8
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	± 0.000	6
Alkalinity (CaCO3) (mg/L)			↑160		110	to	150	130	± 4.600	8
Organic Carbon (mg/L)			1.7		1 U	to	2 U	1.8	± 0.160	8
Chloride (mg/L)			38		31	to	48	43	± 2.100	8
Bromide (mg/L)			0.1 U		0.1 U	to	0.1	0.1	± 0.000	8
Turbidity (field) (NTU)		↓0.2	↓0.3	0.4	0.4	to	5.5	2.3	± 0.490	12
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	± 0.000	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.
*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

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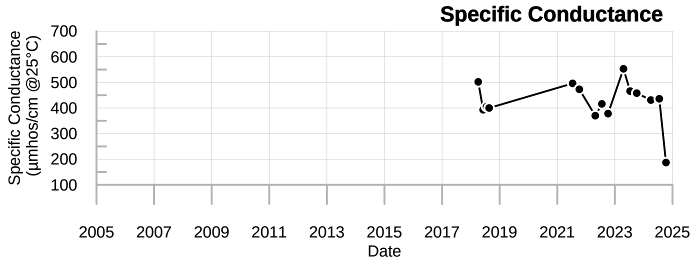
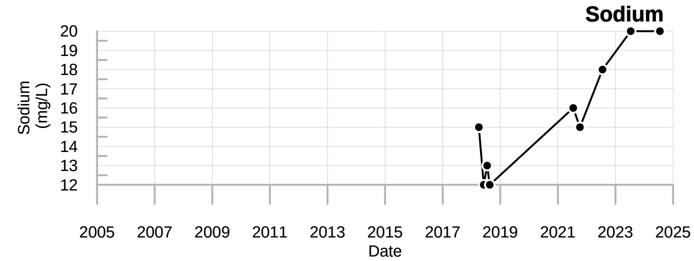
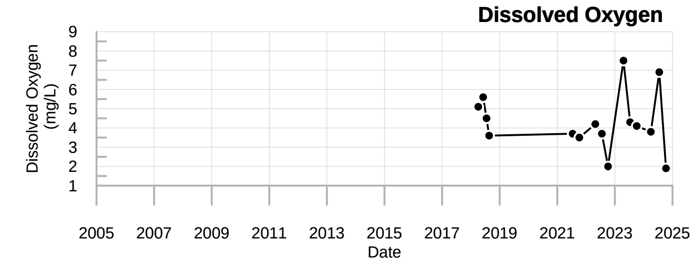
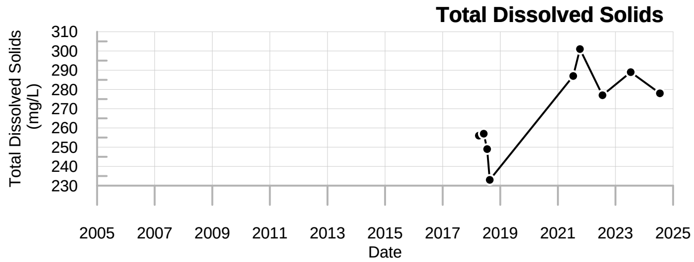
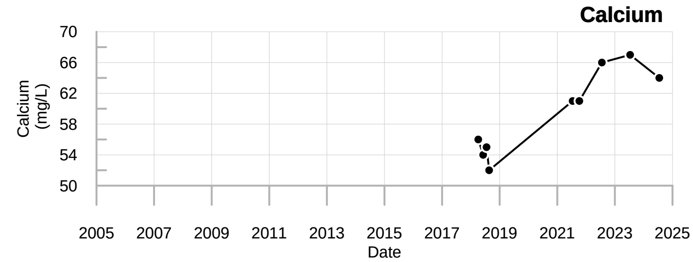
OW-611A

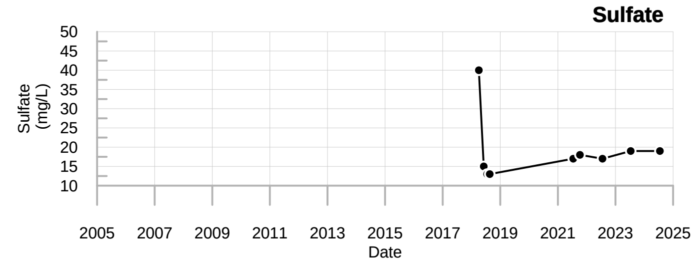


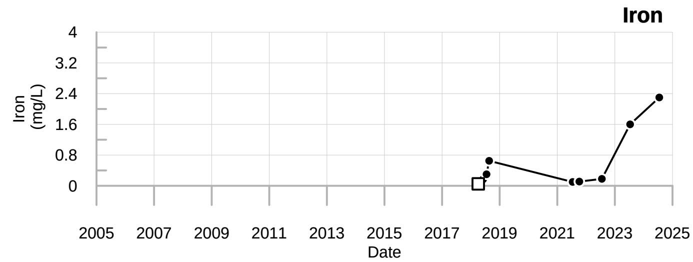


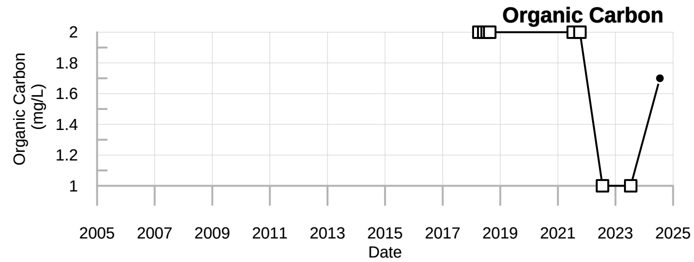


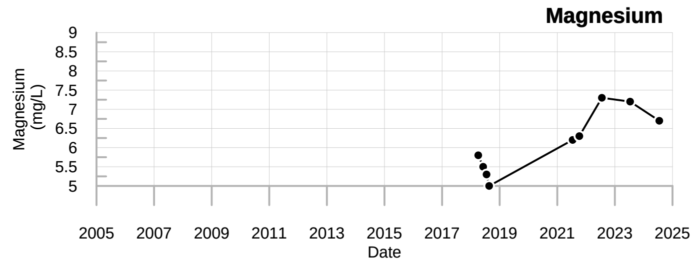


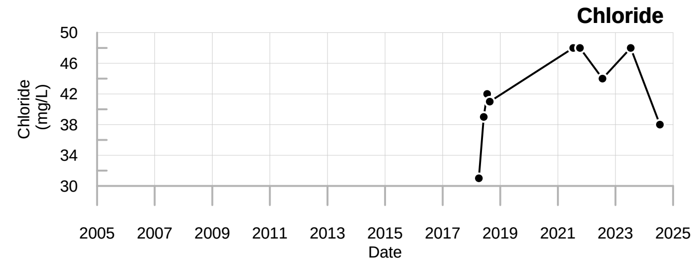


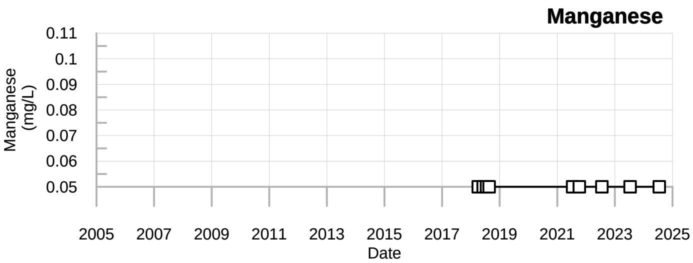


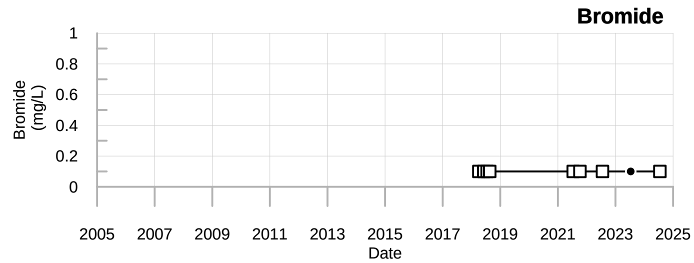












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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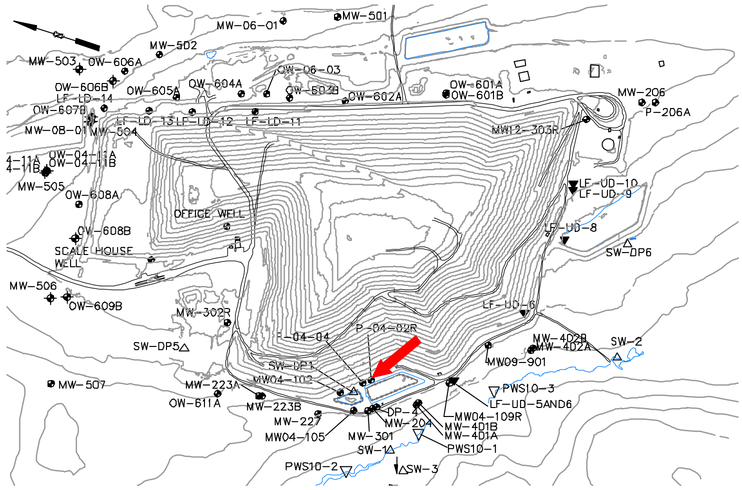
OW-611A
Juniper Ridge Landfill

Well Description

P-04-02R monitors the water quality in the overburden downgradient of the landfill, between the former leachate pond and the landfill toe. P-04-02R replaced well P-04-02 in 2015. Survey info received on 2/1/2019

Screen Interval:	**27.13 ft. to 32.13 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**7/15/15**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**



Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		181	229	220	166	to	772	320	±	20.000	54
pH (STU)		7.5	7.4	7	6.2	to	8.5	7.6	±	0.068	54
Temperature (Deg C)		9.6	14.1	12.4	4.6	to	18.8	12	±	0.430	54
Water Level Depth (Feet)		11.2	12.2	13	6.65	to	27.17	11	±	0.490	54
Water Level Elevation (Feet)		159.52	158.52	157.72	141.57	to	162.09	160	±	0.450	54
Water Level Reference Point (Feet)		170.72	170.72	170.72	168.74	to	170.72	170	±	0.130	56
Eh (mV)		200	306	379	50	to	483	290	±	13.000	52
Dissolved Oxygen (mg/L)		3.9	1.3	1.2	0.2	to	7.1	2.5	±	0.230	54
Well Depth (Feet)				37.98	27.9	to	39.98	37	±	0.640	16
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001 U	to	0.016	0.0064	±	0.000	59
Calcium (mg/L)		23	25	23	11	to	37	25	±	0.600	59
Iron (mg/L)		0.25	0.058	0.064	0.02 U	to	1.52	0.18	±	0.044	59
Magnesium (mg/L)		↓3.6	5.3	6.2	3.7	to	10.2	7	±	0.170	59
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.21	0.053	±	0.005	59
Potassium (mg/L)		1.4	1.5	1.3	1.1	to	3.5	1.7	±	0.053	59
Sodium (mg/L)		13	17	13	6.5	to	112	35	±	3.700	59
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	1 U	0.39	±	0.023	52
Nitrite/Nitrate - (N) (mg/L)		0.58	0.4	0.072	0.05 U	to	2 U	0.18	±	0.075	26
Total Dissolved Solids (mg/L)		121	136	149	113	to	456	200	±	12.000	54
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	43	6.1	±	0.930	54
Sulfate (mg/L)		9.1	13	14	8.2	to	158	36	±	5.500	54
Bicarbonate Alkalinity (CaCO3) (mg/L)		87	110	110	63	to	178	110	±	3.300	54
Organic Carbon (mg/L)		2.3	1.6	1.2	0.5 U	to	32.5	3.6	±	0.820	54
Chloride (mg/L)		1.6	1.7	1.6	1 U	to	42.5	4.4	±	0.890	54
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.4 U	0.13	±	0.016	26
Turbidity (field) (NTU)		3.3	1	0.5	0	to	80.6	5	±	1.900	54

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

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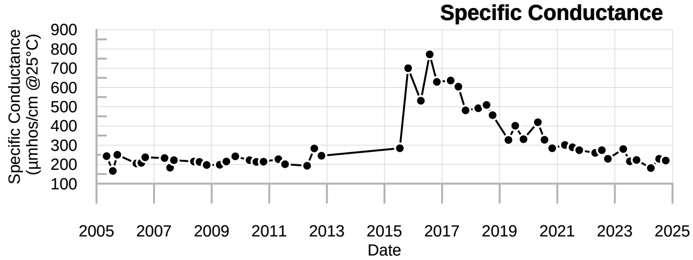

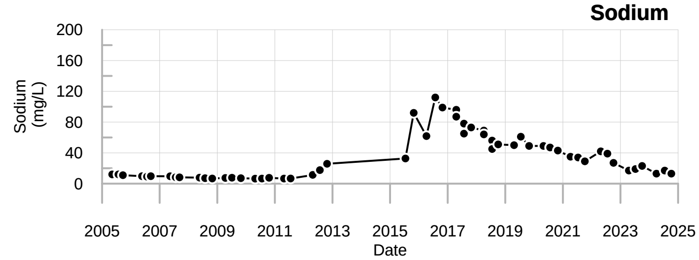

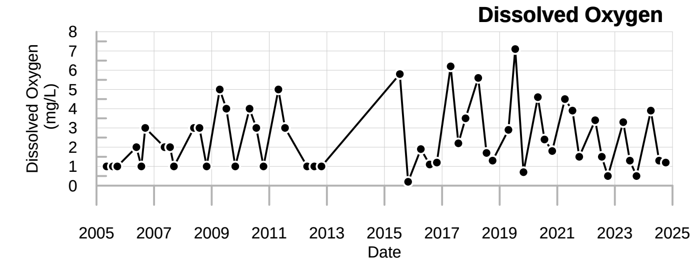

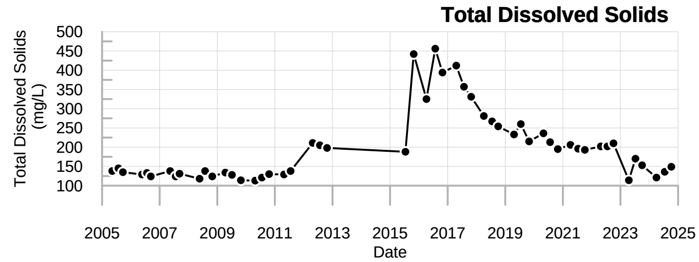

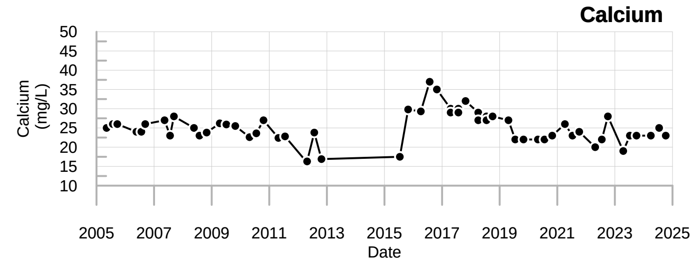

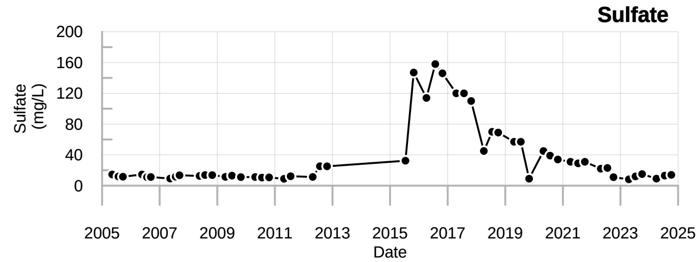

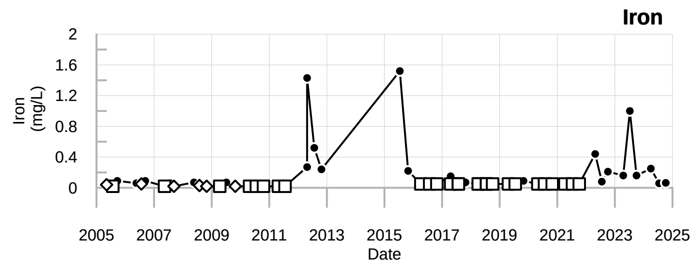

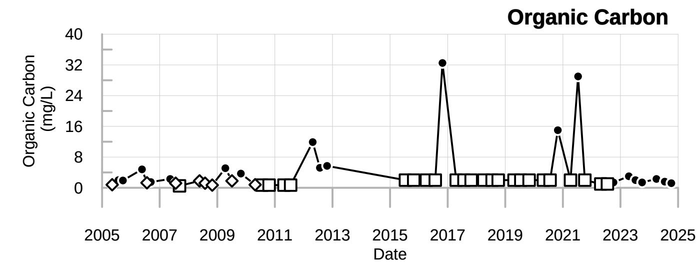

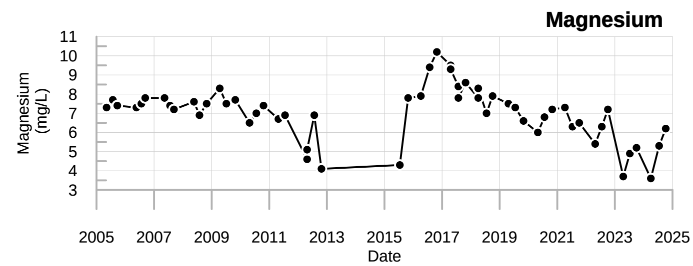

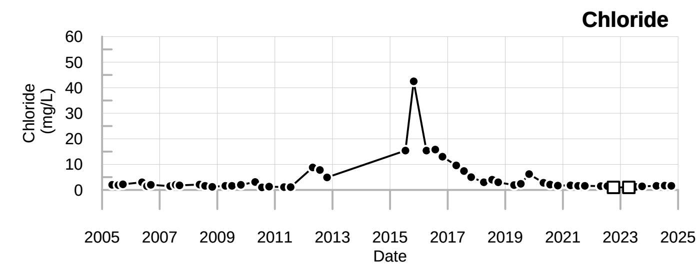

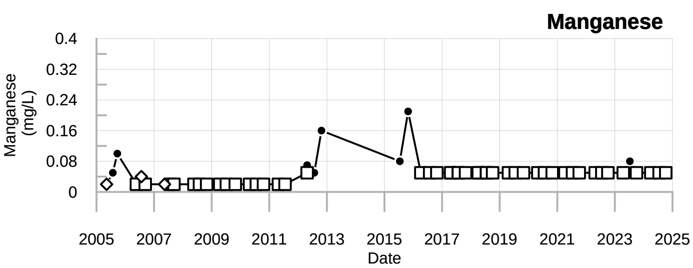

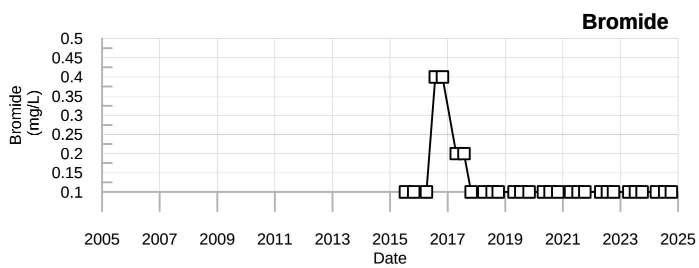

LEGEND

- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

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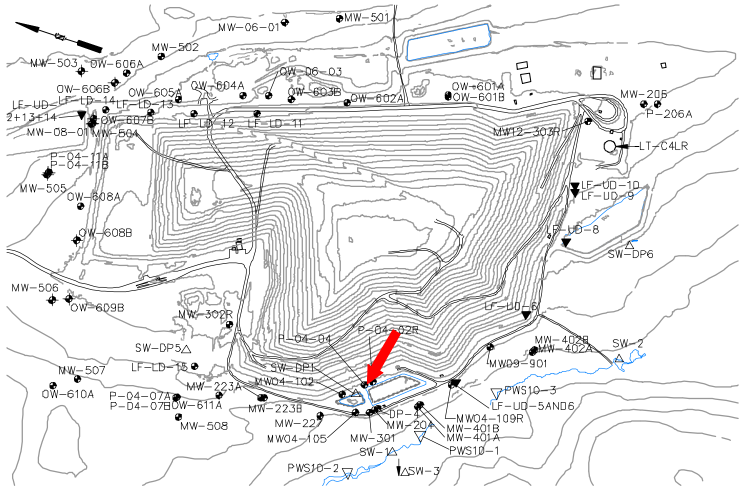
P-04-02 & P-04-02R
Juniper Ridge Landfill

Well Description

P-04-04 monitors the water quality in the overburden downgradient of the landfill, between the former leachate pond and landfill toe.



Screen Interval:	**27.21 ft. to 32.21 ft.**
Sampled:	**3 Times Annually**
Sampled Since:	**02/05/04**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

	2024				Historical (11/1/1990 - 12/31/2023)				
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean ± SE	n
Specific Conductance (µmhos/cm @25°C)		190	208	198	148	to	405	190 ± 4.800	62
pH (STU)		8	7.5	7.3	6.2	to	8.4	7.8 ± 0.054	62
Temperature (Deg C)		9.1	13.7	12.4	3.4	to	19.5	12 ± 0.410	62
Water Level Depth (Feet)		9	10.08	11	7.5	to	29.17	9.9 ± 0.410	62
Water Level Elevation (Feet)		160.25	159.17	158.25	140.18	to	161.85	160 ± 0.410	62
Water Level Reference Point (Feet)		169.25	169.25	169.25	169.25	to	169.35	170 ± 0.006	62
Eh (mV)		188	293	377	115	to	520	310 ± 11.000	60
Dissolved Oxygen (mg/L)		6	2.9	1.4	1	to	7.7	3.8 ± 0.220	62
Well Depth (Feet)				32.35	32.21	to	37.11	33 ± 0.350	19
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001	to	0.014	0.0067 ± 0.000	62
Calcium (mg/L)		26	27	23	11	to	58.1	23 ± 0.660	62
Iron (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.93	0.057 ± 0.014	62
Magnesium (mg/L)		6.1	6.1	5.9	4.8	to	6.9	5.5 ± 0.059	62
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.02 U	to	0.12	0.041 ± 0.002	62
Potassium (mg/L)		1.4	1.3	1.1	0.9	to	4.6	1.5 ± 0.059	62
Sodium (mg/L)		5	4.7	4	3.6	to	73	6.3 ± 1.200	62
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.17	to	0.9	0.39 ± 0.019	60
Nitrite/Nitrate - (N) (mg/L)		0.19	0.22	0.12	0.05 U	to	2 U	0.22 ± 0.072	27
Total Dissolved Solids (mg/L)		122	122	132	92	to	287	120 ± 3.200	62
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	21	3.9 ± 0.300	62
Sulfate (mg/L)		11	8.5	7.5	4.1	to	28.8	9 ± 0.500	62
Bicarbonate Alkalinity (CaCO3) (mg/L)		73	73	78	72	to	153	81 ± 1.400	62
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to	18	1.9 ± 0.280	62
Chloride (mg/L)		↑18	↑15	14	0.9	to	14	3.8 ± 0.430	62
Bromide (mg/L)		0.1 U	0.1 U	0.11	0.1 U	to	0.2 U	0.11 ± 0.006	33
Turbidity (field) (NTU)		1.7	2.4	0.1	0	to	162	3.9 ± 2.600	62

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

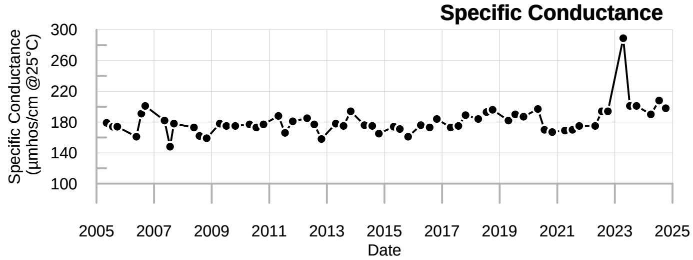
Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

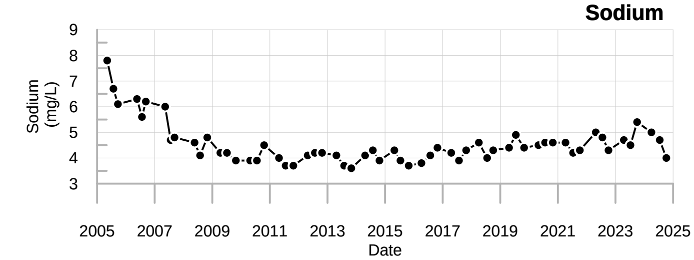
U = Not Detected above the laboratory reporting limit.

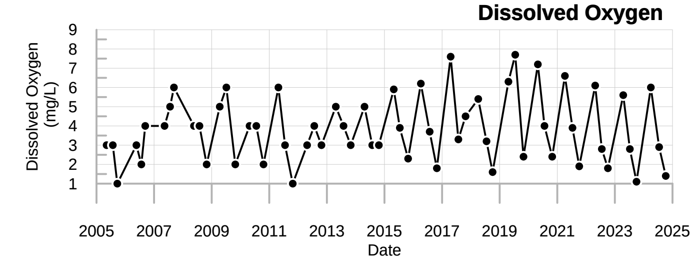
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

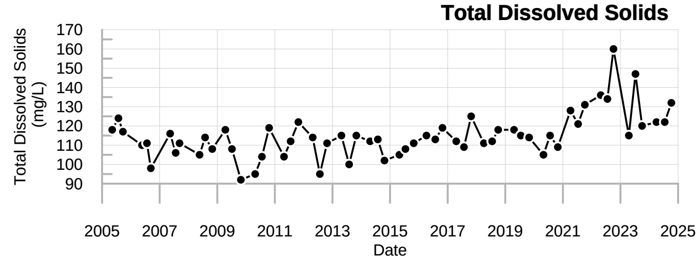
Data Group: 245
Printed: 4/16/2025 11:26

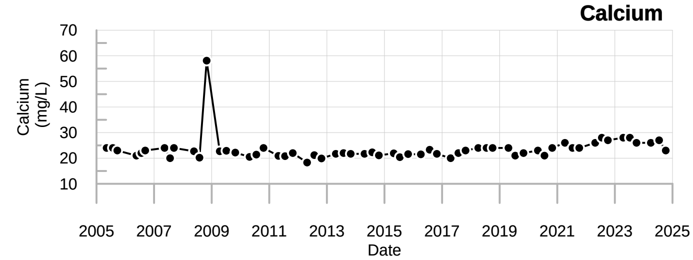
SME SEVEE & MAHER ENGINEERS

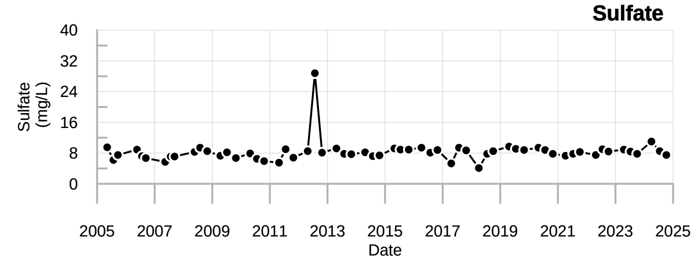


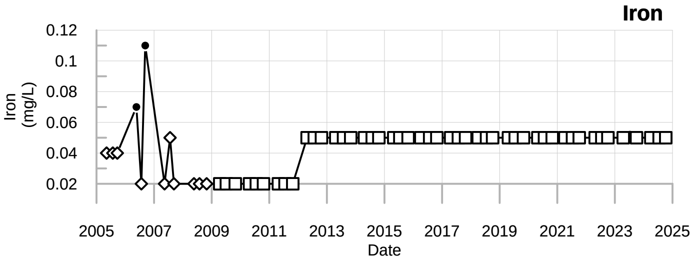


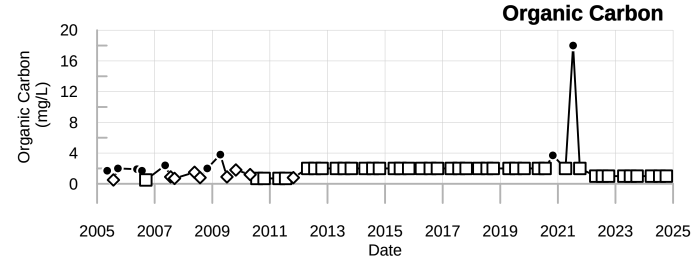


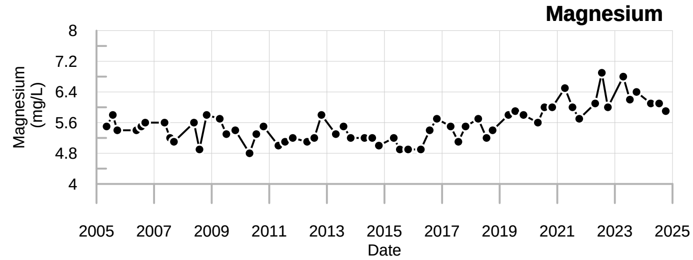


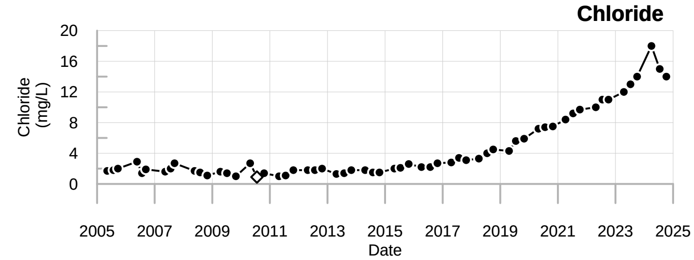


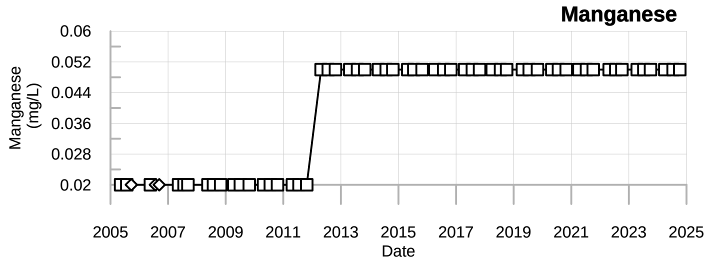


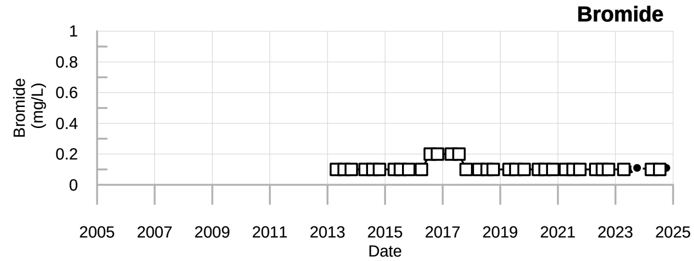












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

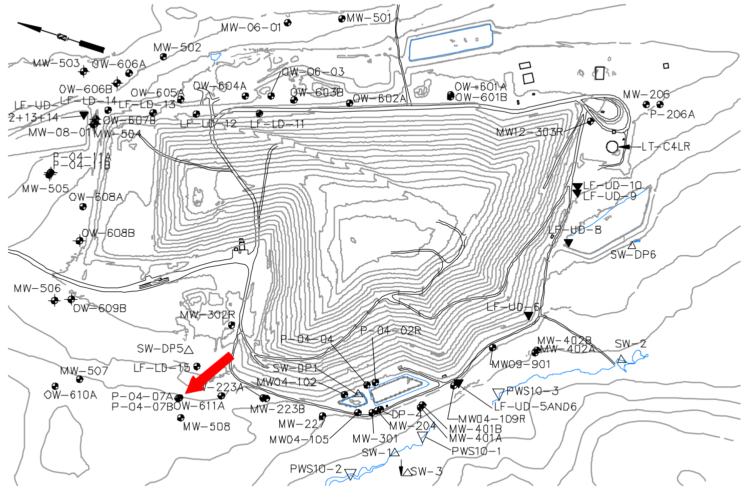
◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

P-04-04
Juniper Ridge Landfill

Well Description

P-04-07A monitors bedrock groundwater downgradient of and southwest of the landfill expansion



Screen Interval:	**19.7 ft. to 24.7 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**10/3/2022**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean	±	SE	n
Specific Conductance (µmhos/cm @25°C)		251	257	261	245	to	280	260	±	4.900	6
pH (STU)		7.2	6.9	7	6.6	to	7.8	6.9	±	0.180	6
Temperature (Deg C)		7.3	↑14.1	10.8	5.6	to	12.1	9	±	0.960	6
Water Level Depth (Feet)		3.22	↑3.68	↑5.73	1.06	to	3.63	2.3	±	0.370	6
Water Level Elevation (Feet)		174.71	174.25	↓172.2	173.49	to	176.06	170	±	0.370	6
Water Level Reference Point (Feet)		↑177.93	↑177.93	↑177.93	177.12	to	177.12	180	±	0.000	7
Eh (mV)		400	↓196	425	265	to	474	370	±	31.000	6
Dissolved Oxygen (mg/L)		3.5	↑6.2	1.9	1.3	to	4.5	2.8	±	0.560	6
Well Depth (Feet)				↓28.12	28.17	to	28.22	28	±	0.017	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.006	0.0052	±	0.000	5
Calcium (mg/L)			↓35		37	to	42	40	±	1.000	5
Copper (mg/L)			0.003 U		0.003 U	to	0.003 U	0.003	±	0.000	5
Iron (mg/L)			0.1		0.05 U	to	0.16	0.072	±	0.022	5
Magnesium (mg/L)			↓4.8		4.9	to	5.7	5.3	±	0.150	5
Manganese (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	5
Potassium (mg/L)			↑1.2		0.69	to	0.85	0.77	±	0.029	5
Sodium (mg/L)			7.9		7.5	to	8.7	7.8	±	0.240	5
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	5
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.2 U	0.2	±	0.000	5
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	5
Nitrite/Nitrate - (N) (mg/L)			↓0.059		0.13	to	0.21	0.16	±	0.015	5
Total Dissolved Solids (mg/L)			158		130	to	195	160	±	11.000	5
Total Suspended Solids (mg/L)			↑8.3 U		2.5 U	to	5.5	3.6	±	0.560	5
Sulfate (mg/L)			↑9.5		8.3	to	9.4	8.7	±	0.190	5
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	5
Alkalinity (CaCO3) (mg/L)			↑99		89	to	96	92	±	1.200	5
Organic Carbon (mg/L)			1 U		1 U	to	1 U	1	±	0.000	5
Chloride (mg/L)			↓19		22	to	27	25	±	0.930	5
Bromide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	5
Turbidity (field) (NTU)		0.3	0.4	0.8	0.2	to	2	0.85	±	0.270	6
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	±	0.000	5

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

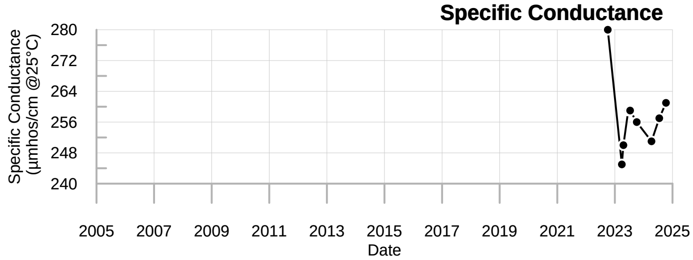
Q2= 4 - 2024 U = Not Detected above the laboratory reporting limit.
Q3= 7 - 2024
Q4= 10 - 2024

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

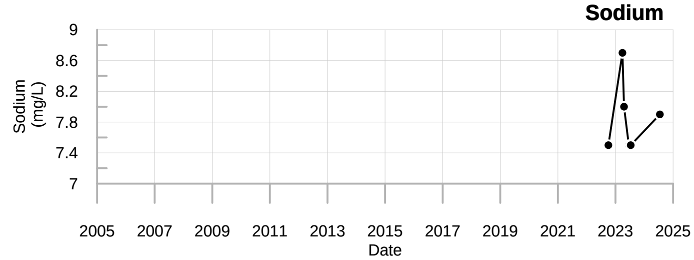
Data Group: 245
Printed: 4/16/2025 11:26

SME SEVEE & MAHER ENGINEERS

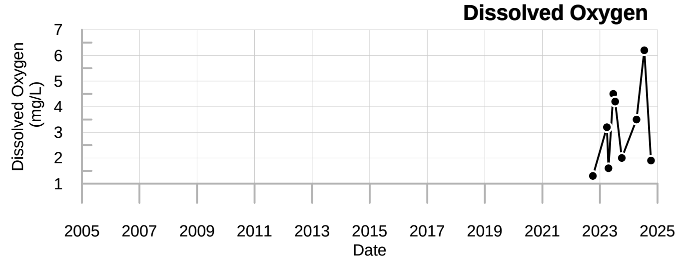
Specific Conductance



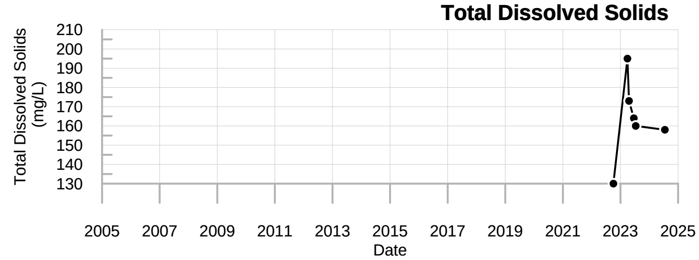
Sodium



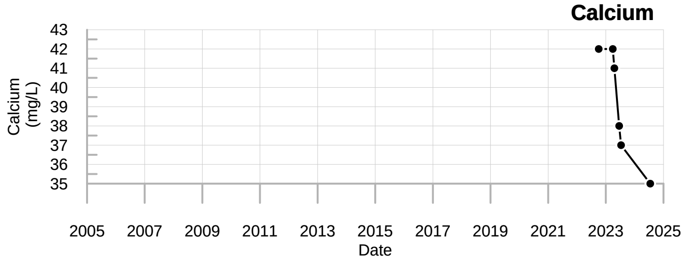
Dissolved Oxygen



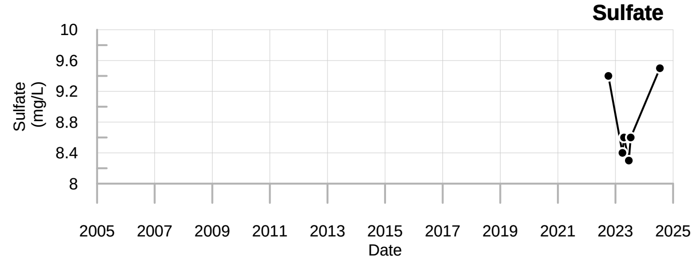
Total Dissolved Solids



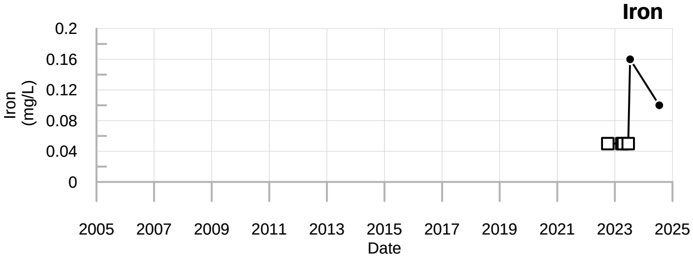
Calcium



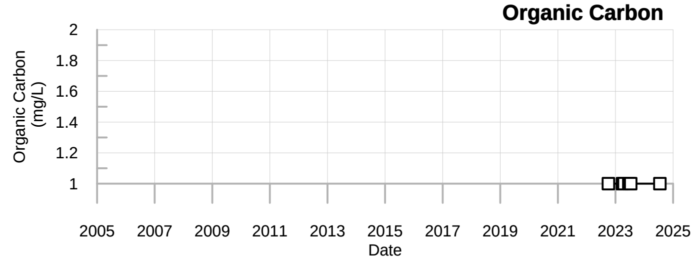
Sulfate



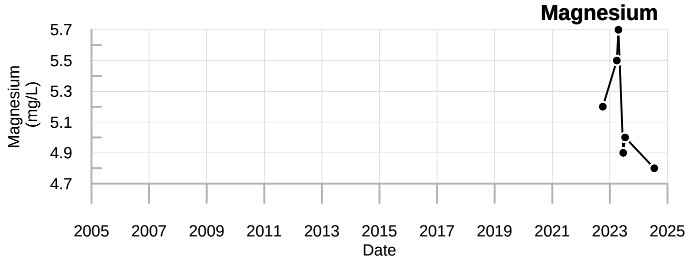
Iron



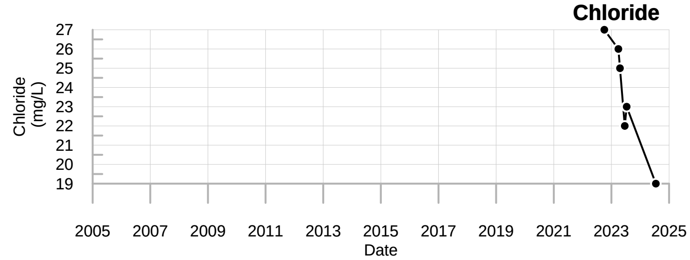
Organic Carbon



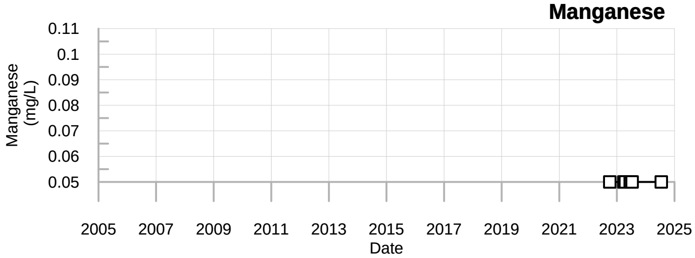
Magnesium



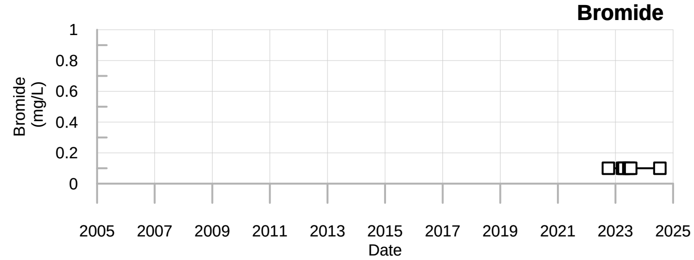
Chloride



Manganese



Bromide



LEGEND

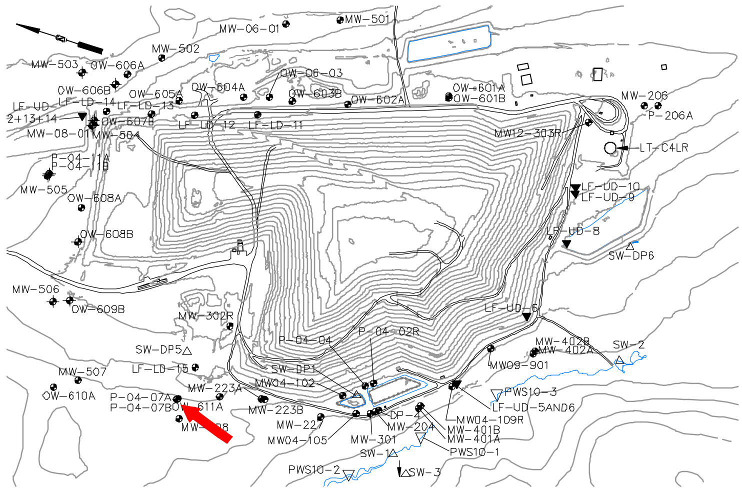
□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

SME SEVEE & MAHER ENGINEERS

P-04-07A
Juniper Ridge Landfill

Well Description

P-04-07B monitors bedrock groundwater downgradient of and southwest of the landfill expansion.



Screen Interval: **12 ft. to 13 ft.**

Sampled: **3 Times Annually***

Sampled Since: **10/3/2022**

Material Screened: **Bedrock**

Well Condition: **Good**

Sampling Method: **Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		↑535	↑552	↑548	177	to	526	450	±	46.000	7
pH (STU)		7.3	7.3	7.2	6.8	to	7.5	7.1	±	0.083	7
Temperature (Deg C)		6.7	↑13.7	11.2	4.4	to	13	8.8	±	1.200	7
Water Level Depth (Feet)		2.15	↑3.55	↑5.62	1.03	to	3.51	2.1	±	0.370	6
Water Level Elevation (Feet)		175.69	174.29	↓172.22	173.64	to	176.12	180	±	0.370	6
Water Level Reference Point (Feet)		↑177.84	↑177.84	↑177.84	177.15	to	177.15	180	±	0.000	7
Eh (mV)		413	↓167	356	269	to	482	370	±	26.000	7
Dissolved Oxygen (mg/L)		1.2	1.9	1.8	0.2	to	4	1.4	±	0.490	7
Well Depth (Feet)				↑16.58	16.45	to	16.54	16	±	0.030	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005 U	0.005	±	0.000	5
Calcium (mg/L)			↓31		63	to	74	68	±	2.300	5
Copper (mg/L)			0.003 U		0.003 U	to	0.003 U	0.003	±	0.000	5
Iron (mg/L)			0.05 U		0.05 U	to	0.05	0.05	±	0.000	5
Magnesium (mg/L)			↓4.5		6.8	to	8.2	7.6	±	0.250	5
Manganese (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	5
Potassium (mg/L)			↑1.8		1.1	to	1.3	1.2	±	0.040	5
Sodium (mg/L)			↑**98**		20	to	38	26	±	3.200	5
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	5
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to	0.55	0.28	±	0.068	5
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	5
Nitrite/Nitrate - (N) (mg/L)			↓0.12		0.45	to	0.58	0.49	±	0.023	5
Total Dissolved Solids (mg/L)			320		290	to	328	320	±	7.200	5
Total Suspended Solids (mg/L)			↑8.3 U		2.5 U	to	7.6	4.4	±	1.200	5
Sulfate (mg/L)			↑29		19	to	23	21	±	0.680	5
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	5
Alkalinity (CaCO3) (mg/L)			↑180		140	to	160	150	±	3.200	5
Organic Carbon (mg/L)			1 U		1 U	to	1 U	1	±	0.000	5
Chloride (mg/L)			↓57		59	to	63	62	±	0.870	5
Bromide (mg/L)			0.1 U		0.1 U	to	0.2 U	0.12	±	0.020	5
Turbidity (field) (NTU)		0.5	0.6	0.6	0.3	to	4.3	1.1	±	0.550	7
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	±	0.000	5

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024 U = Not Detected above the laboratory reporting limit.

Q3= 7 - 2024

Q4= 10 - 2024

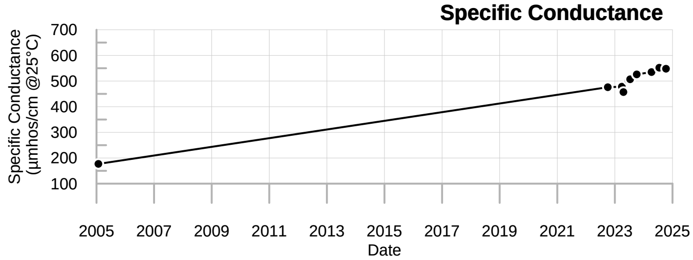
Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245

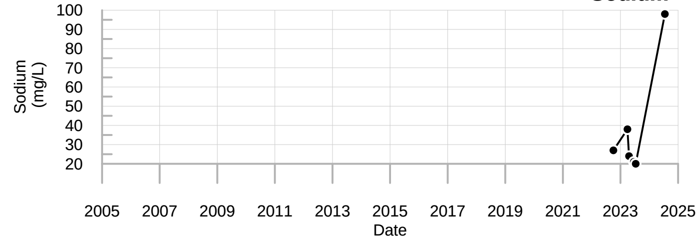
Printed: 4/16/2025 11:26

SME SEVEE & MAHER ENGINEERS

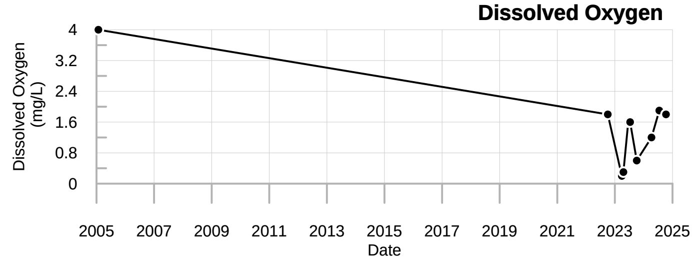
Specific Conductance



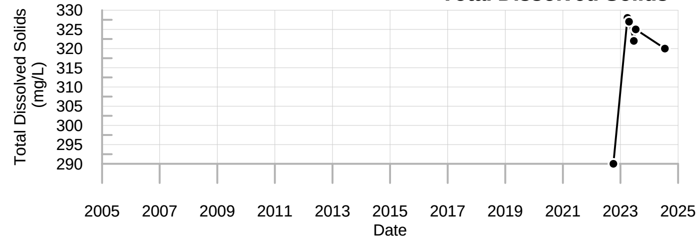
Sodium



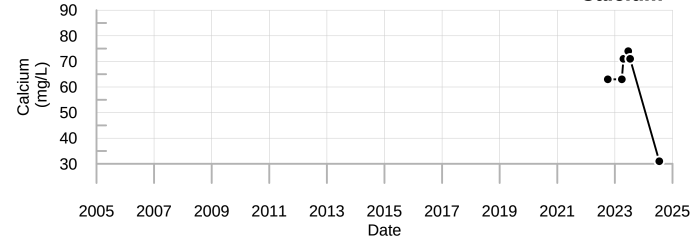
Dissolved Oxygen



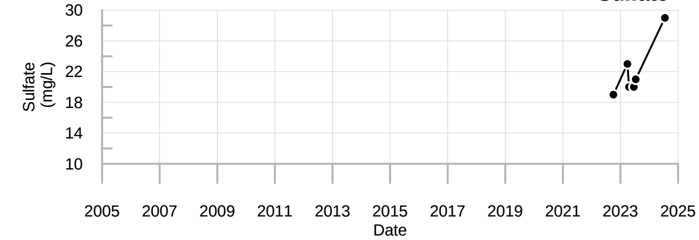
Total Dissolved Solids



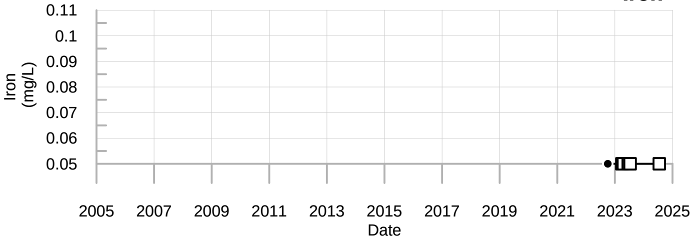
Calcium



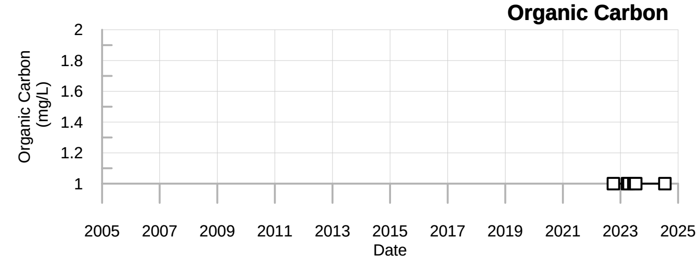
Sulfate



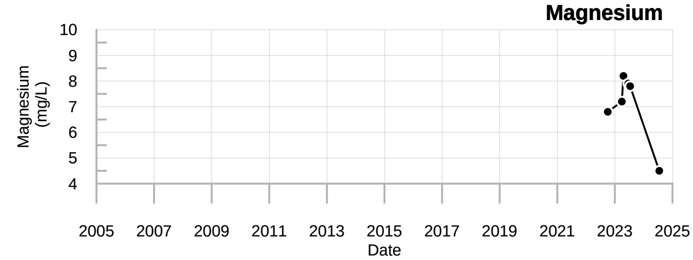
Iron



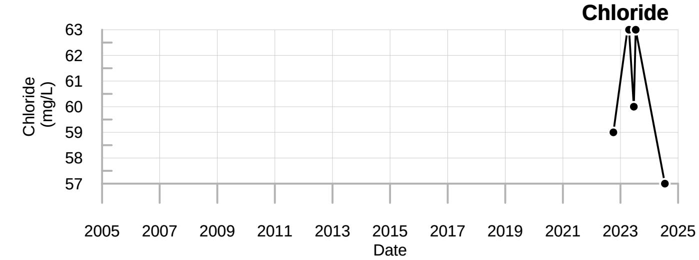
Organic Carbon



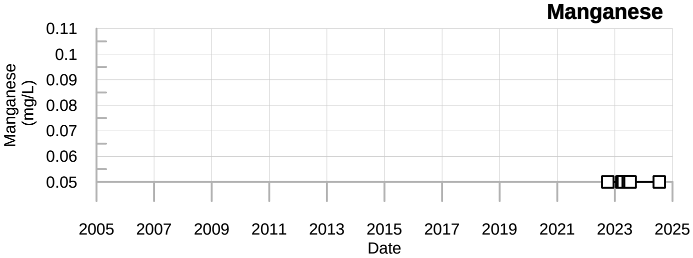
Magnesium



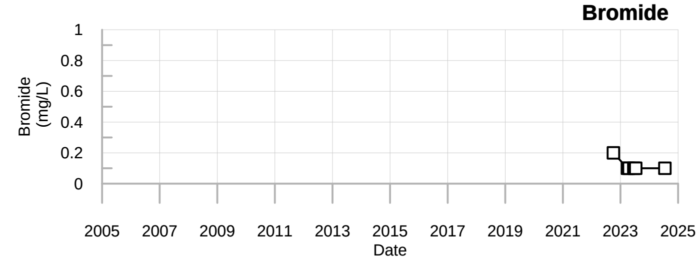
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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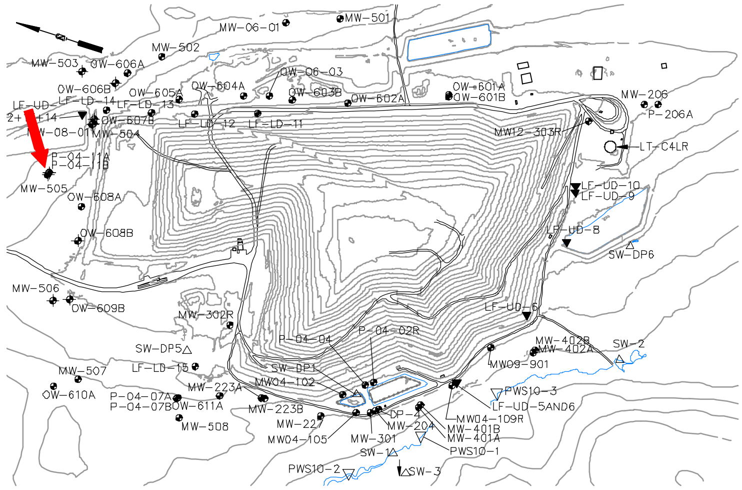
P-04-07B
Juniper Ridge Landfill

Well Description

P-04-11A monitors overburden groundwater downgradient of and north of the landfill expansion.



Screen Interval:	**48.5 ft. to 49.5 ft.**
Sampled:	**3 Times Annually***
Sampled Since:	**2/10/2021**
Material Screened:	**Overburden**
Well Condition:	**Good**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		125	126	125	75	to 136	120	± 4.900	11
pH (STU)		↑8.1	7.1	6.9	5.9	to 7.8	7	± 0.170	11
Temperature (Deg C)		7	11.7	9.9	5.3	to 15.7	9.9	± 0.960	11
Water Level Depth (Feet)		13.61	15.31	↑19.1	9.95	to 17.87	14	± 0.760	11
Water Level Elevation (Feet)		173.47	171.77	↓167.98	169.21	to 177.13	170	± 0.760	11
Water Level Reference Point (Feet)		187.08	187.08	187.08	187.08	to 187.08	190	± 0.000	11
Eh (mV)		267	332	414	140	to 472	300	± 35.000	11
Dissolved Oxygen (mg/L)		↑8	4.2	5.4	0.6	to 6.9	3.7	± 0.560	11
Well Depth (Feet)				↓52.61	52.66	to 52.66	53	± 0.000	3
Arsenic (mg/L)			0.0053		0.005 U	to 0.015	0.011	± 0.001	8
Calcium (mg/L)			14		10	to 15	13	± 0.500	8
Copper (mg/L)			0.0034		0.003 U	to 0.0075	0.0036	± 0.001	8
Iron (mg/L)			0.074		0.05 U	to 1.2	0.27	± 0.150	8
Magnesium (mg/L)			3.4		2.3	to 3.5	2.8	± 0.120	8
Manganese (mg/L)			0.05 U		0.05 U	to 0.06	0.051	± 0.001	8
Potassium (mg/L)			1.1		0.7	to 1.3	0.94	± 0.083	8
Sodium (mg/L)			9		5.5	to 13	11	± 0.840	8
Boron (mg/L)			0.05 U		0.05 U	to 0.05 U	0.05	± 0.000	8
Total Kjeldahl Nitrogen (mg/L)			0.2 U		0.2 U	to 6.1	1	± 0.730	8
Ammonia (N) (mg/L)			0.5 U		0.5 U	to 0.5 U	0.5	± 0.000	8
Nitrite/Nitrate - (N) (mg/L)			↓0.05 U		0.1	to 0.34	0.2	± 0.026	8
Total Dissolved Solids (mg/L)			88		88	to 120	100	± 3.400	8
Total Suspended Solids (mg/L)			8.3 U		2.5 U	to 65	11	± 7.700	8
Sulfate (mg/L)			3.5		3.5	to 5	4.3	± 0.160	8
Sulfide (mg/L)			0.1 U		0.1 U	to 0.1 U	0.1	± 0.000	8
Alkalinity (CaCO3) (mg/L)			↑78		59	to 75	66	± 1.800	8
Organic Carbon (mg/L)			1 U		1 U	to 2 U	1.6	± 0.180	8
Chloride (mg/L)			↑2.4		1.5	to 2.3	1.8	± 0.100	8
Bromide (mg/L)			0.1 U		0.1 U	to 0.1 U	0.1	± 0.000	8
Turbidity (field) (NTU)		0.2	0.5	0.9	0.2	to 3.3	1.2	± 0.320	11
Methane (ug/L)			↓5.2 U		20 U	to 20 U	20	± 0.000	8

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

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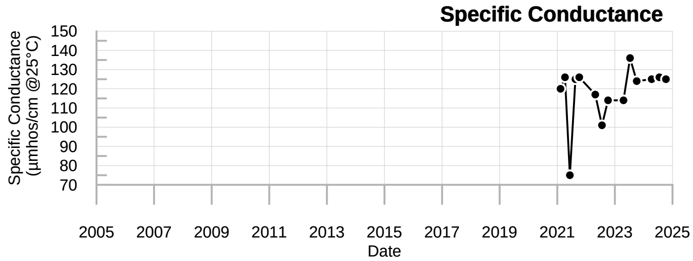

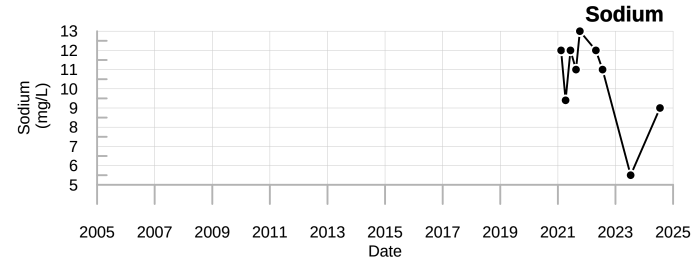

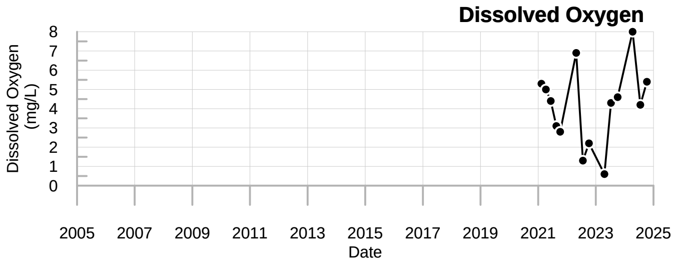

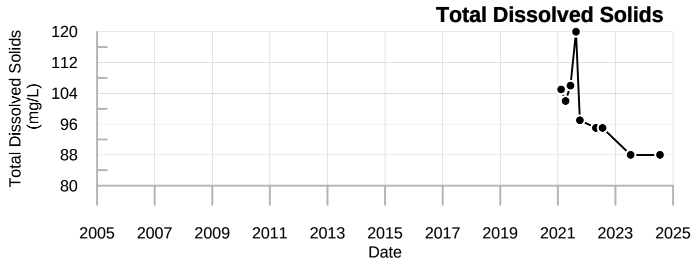

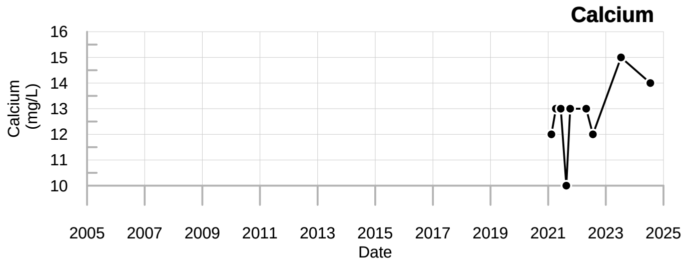

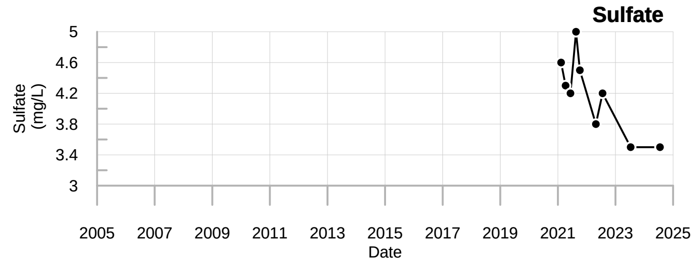

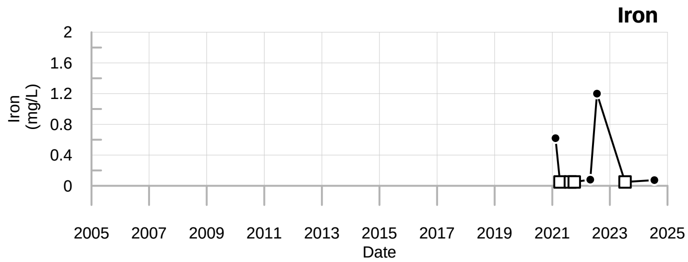

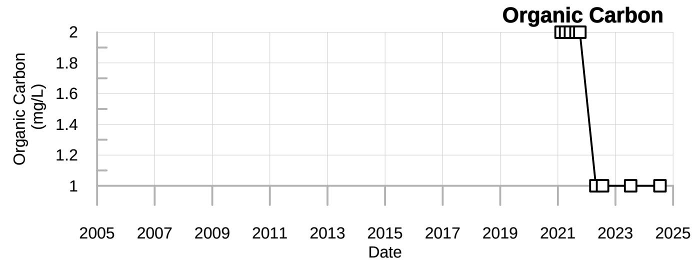

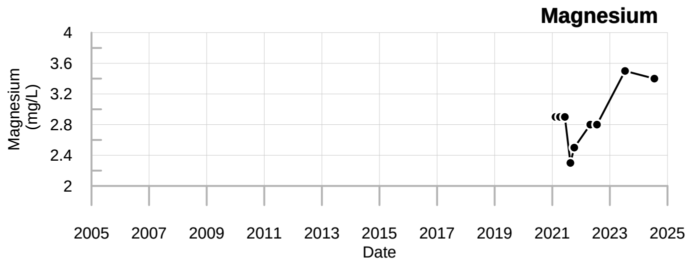

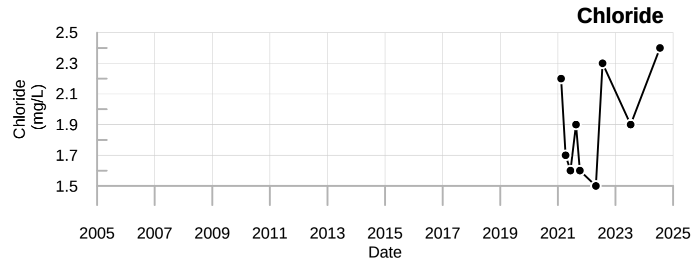

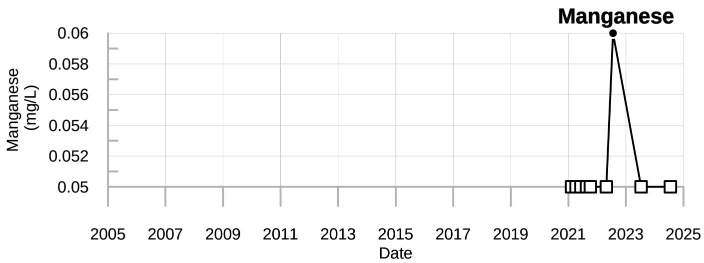

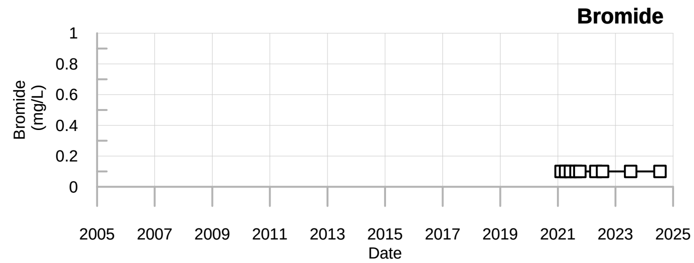

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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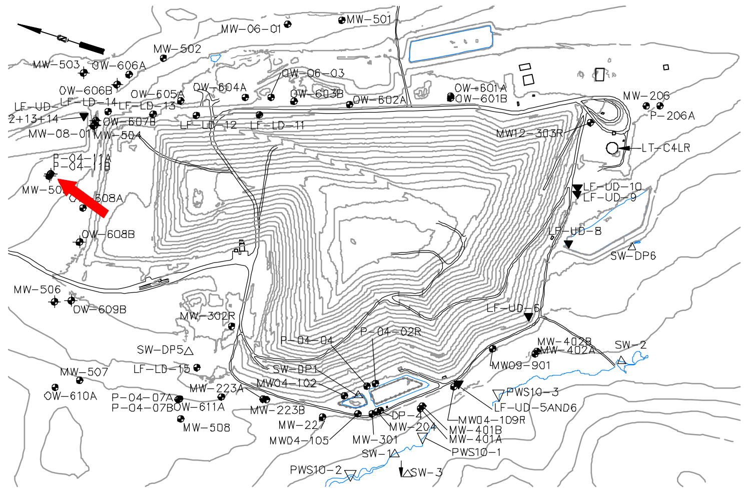
P-04-11A
Juniper Ridge Landfill

Well Description

P-04-11B monitors overburden groundwater downgradient of and north of the landfill expansion.



Screen Interval: **9 ft. to 10 ft.**

Sampled: **3 Times Annually***

Sampled Since: **2/10/2021**

Material Screened: **Overburden**

Well Condition: **Good**

Sampling Method: **Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		52	↑62	D	48	to	56	52	±	0.900	9
pH (STU)		6.2	↓5.6	D	5.9	to	7.6	6.7	±	0.210	9
Temperature (Deg C)		4.5	13.1	D	2.8	to	18	10	±	1.700	9
Water Level Depth (Feet)		12.17	8.21	D	7.6	to	12.17	10	±	0.650	9
Water Level Elevation (Feet)		174.97	178.93		174.97	to	179.54	180	±	0.650	9
Water Level Reference Point (Feet)		187.14	187.14		187.14	to	187.14	190	±	0.000	9
Eh (mV)		336	313	D	285	to	450	370	±	22.000	8
Dissolved Oxygen (mg/L)		5.1	3.4	D	3.2	to	10.9	6.6	±	0.840	9
Well Depth (Feet)				↓12.98	13.03	to	13.03	13	±	0.000	3
Arsenic (mg/L)			0.005 U		0.005 U	to	0.005 U	0.005	±	0.000	7
Calcium (mg/L)			3.2		2.5	to	3.3	3	±	0.110	7
Copper (mg/L)			↑0.0039		0.003 U	to	0.003 U	0.003	±	0.000	7
Iron (mg/L)			0.72		0.13	to	1.4	0.35	±	0.180	7
Magnesium (mg/L)			1.4		1	to	1.5	1.2	±	0.059	7
Manganese (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	7
Potassium (mg/L)			0.56		0.3	to	0.87	0.43	±	0.082	7
Sodium (mg/L)			↑7.6		3.6	to	5.8	4.3	±	0.270	7
Boron (mg/L)			0.05 U		0.05 U	to	0.05 U	0.05	±	0.000	7
Total Kjeldahl Nitrogen (mg/L)			↑0.34		0.2 U	to	0.31	0.24	±	0.014	7
Ammonia (N) (mg/L)			0.5 U		0.5 U	to	0.5 U	0.5	±	0.000	7
Nitrite/Nitrate - (N) (mg/L)			0.05 U		0.05 U	to	0.096	0.064	±	0.007	7
Total Dissolved Solids (mg/L)			↓48		50	to	67	60	±	2.400	7
Total Suspended Solids (mg/L)			↓8.3 U		16	to	47	31	±	5.100	7
Sulfate (mg/L)			2.3		2	to	3.6	3.1	±	0.190	7
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	7
Alkalinity (CaCO3) (mg/L)			13		7.9	to	13	11	±	0.610	7
Organic Carbon (mg/L)			1 U		1 U	to	2 U	1.7	±	0.180	7
Chloride (mg/L)			6.4		4.7	to	8.9	6	±	0.610	7
Bromide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	7
Turbidity (field) (NTU)		↓0.3	0.4	D	0.4	to	8.1	2.8	±	0.930	9
Methane (ug/L)			↓5.2 U		20 U	to	20 U	20	±	0.000	7

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

*Field parameters only are monitored in the spring and fall.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

D = The sampling location was dry.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

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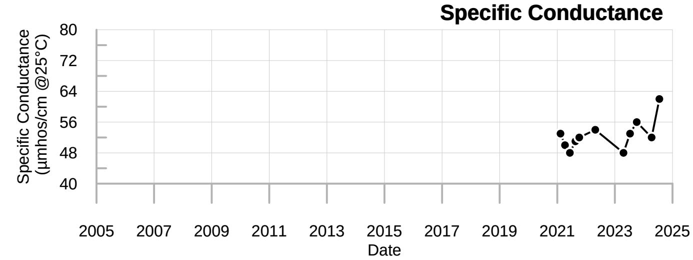
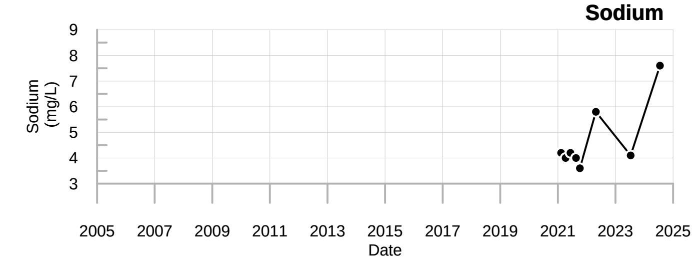
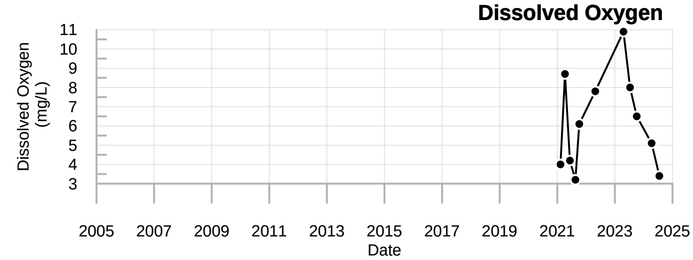
Specific Conductance



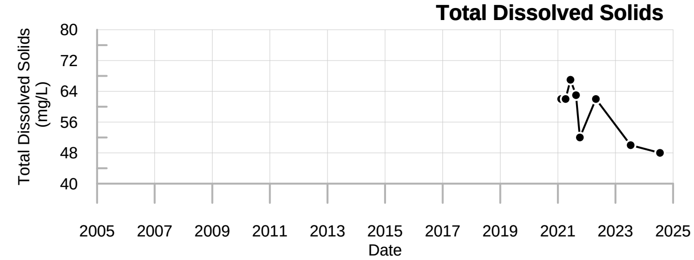
Sodium



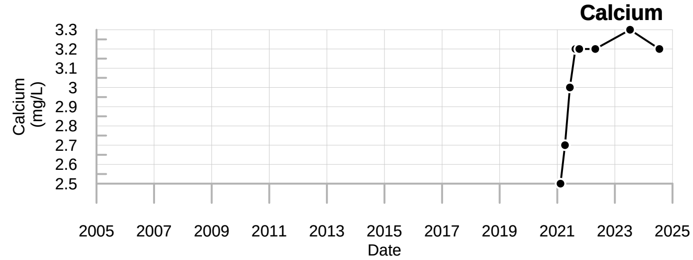
Dissolved Oxygen



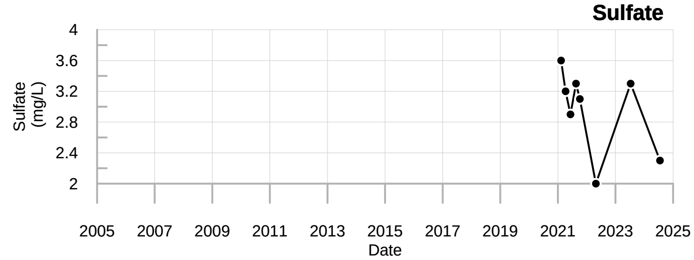
Total Dissolved Solids



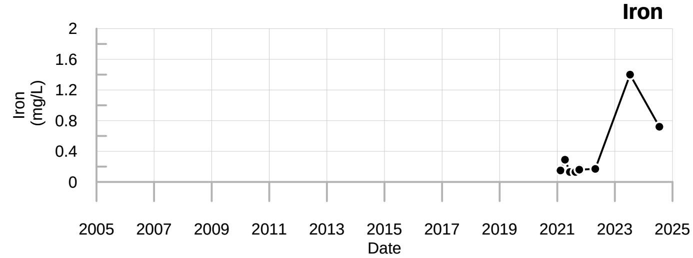
Calcium



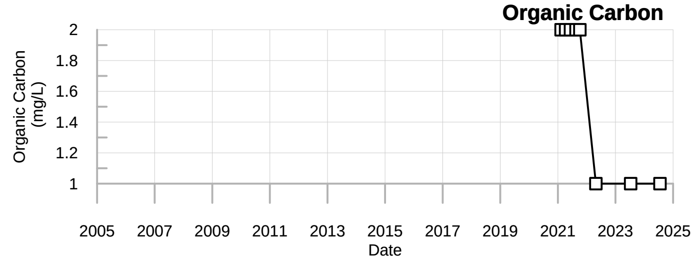
Sulfate



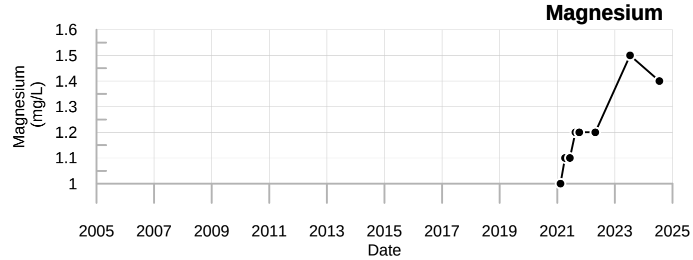
Iron



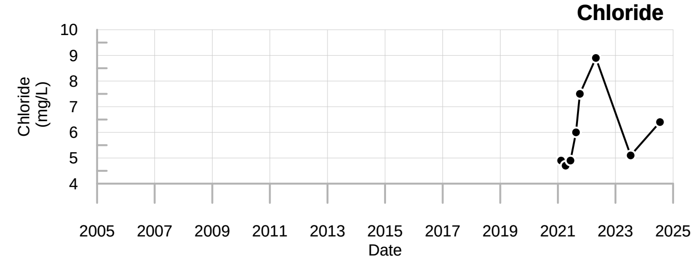
Organic Carbon



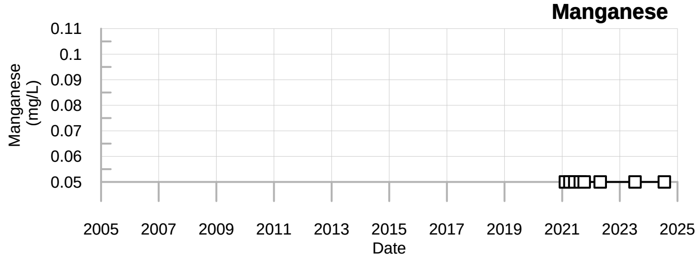
Magnesium



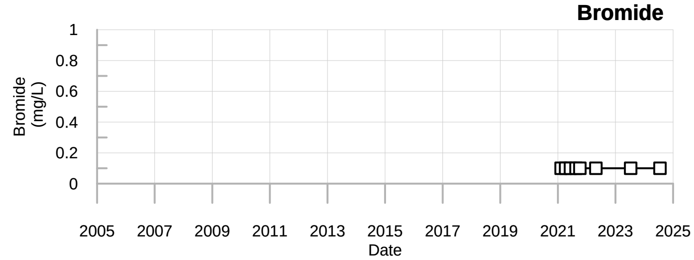
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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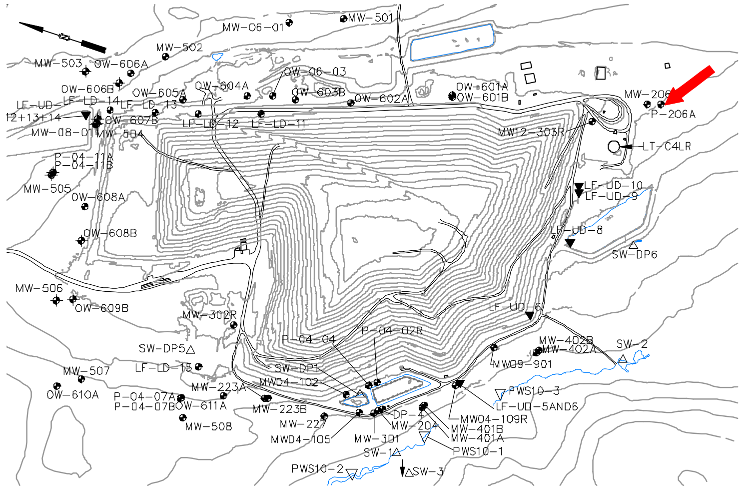
P-04-11B
Juniper Ridge Landfill

Well Description

P-206A monitors bedrock water quality upgradient of the landfill.



Screen Interval: **85.5 ft. to 90.5 ft.**
Sampled: **3 Times Annually**
Sampled Since: **7/31/2013**
Material Screened: **Bedrock**
Well Condition: **Good**
Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		201	232	197	120	to	317	200	± 9.600	32
pH (STU)		7.1	6.6	6.4	6.3	to	11.8	7.6	± 0.160	32
Temperature (Deg C)		8.3	17.9	12.4	4.6	to	19.5	11	± 0.690	32
Water Level Depth (Feet)		23.5	24.7	27.1	19.9	to	34.7	25	± 0.550	33
Water Level Elevation (Feet)		181.01	179.81	177.41	169.81	to	184.61	180	± 0.550	33
Water Level Reference Point (Feet)		204.51	204.51	204.51	204.51	to	204.51	200	± 0.000	33
Eh (mV)		220	293	348	63	to	352	200	± 16.000	32
Dissolved Oxygen (mg/L)		6.8	2.9	3.4	0.6	to	6.8	3.3	± 0.230	32
Well Depth (Feet)				93.4	93.15	to	93.5	93	± 0.031	10
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.022	0.0077	± 0.001	30
Calcium (mg/L)		24	24	19	11.1	to	27	20	± 0.950	30
Copper (mg/L)		↑0.029	0.003 U	0.003 U	0.003 U	to	0.0053	0.0036	± 0.001	4
Iron (mg/L)		0.18	0.25	0.071	0.07	to	16.8	1.9	± 0.660	30
Magnesium (mg/L)		7	7	6.1	3.1	to	8.6	5.8	± 0.330	30
Manganese (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.31	0.1	± 0.011	30
Potassium (mg/L)		0.98	0.9	0.82	0.8	to	1.6	1.1	± 0.033	30
Sodium (mg/L)		7.3	7.2	↓6.3	6.7	to	11	8.3	± 0.200	30
Boron (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.05 U	0.05	± 0.000	4
Total Kjeldahl Nitrogen (mg/L)		0.2 U	0.2 U	0.2 U	0.2 U	to	0.6	0.33	± 0.026	23
Ammonia (N) (mg/L)		0.5 U	0.5 U	0.5 U	0.5 U	to	0.5 U	0.5	± 0.000	4
Nitrite/Nitrate - (N) (mg/L)		0.39	0.4	0.3	0.05 U	to	0.7	0.2	± 0.039	26
Total Dissolved Solids (mg/L)		133	129	154	95	to	169	130	± 3.500	23
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	57	10	± 2.700	23
Sulfate (mg/L)		5.4	↑6.9	↑7.2	2 U	to	5.4	2.8	± 0.190	30
Sulfide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.1 U	0.1	± 0.000	4
Alkalinity (CaCO3) (mg/L)		66	↓64	74	66	to	86	77	± 4.200	4
Organic Carbon (mg/L)		1 U	1 U	1 U	1 U	to	2 U	1.8	± 0.088	23
Chloride (mg/L)		↑27	↑26	24	3.3	to	24	17	± 1.300	30
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.12	± 0.008	23
Turbidity (field) (NTU)		↓0.5	1	0.8	0.8	to	9.3	3.3	± 0.440	32
Methane (ug/L)		↓5.2 U	↓5.2 U	↓5.2 U	20 U	to	20 U	20	± 0.000	4

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

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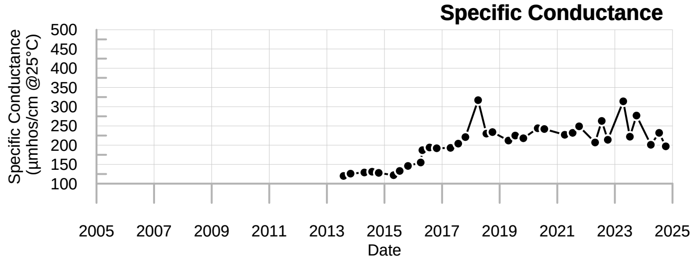

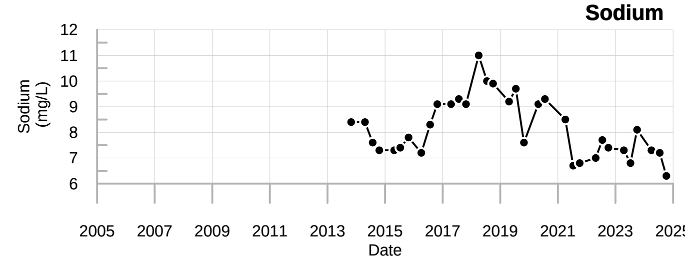

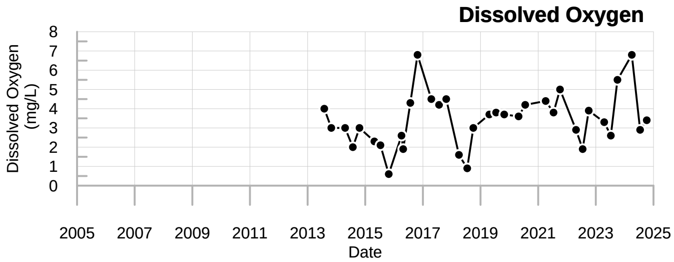

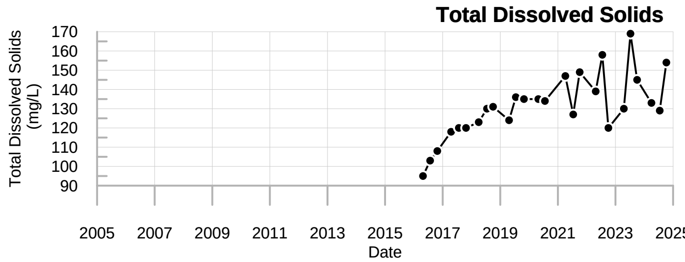

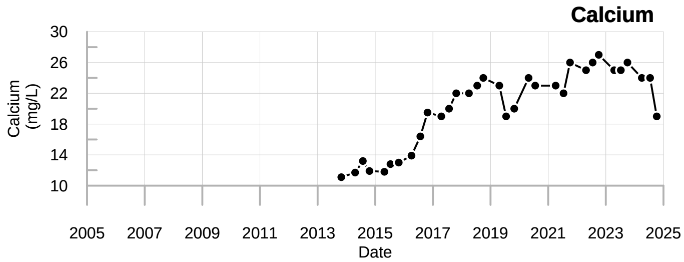

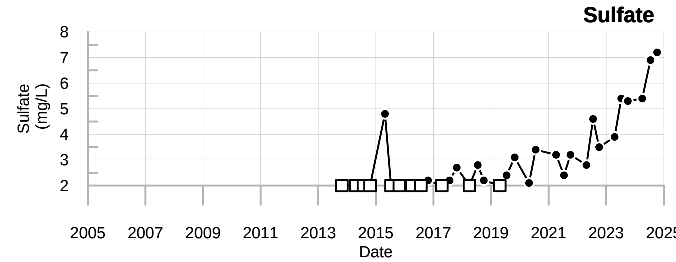

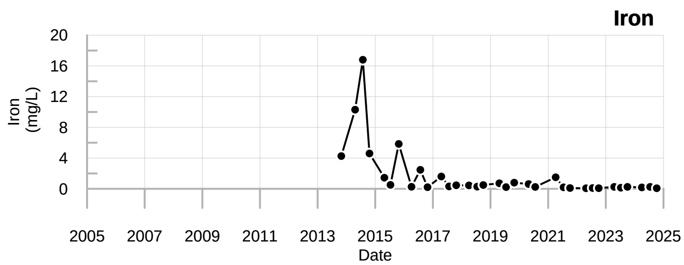

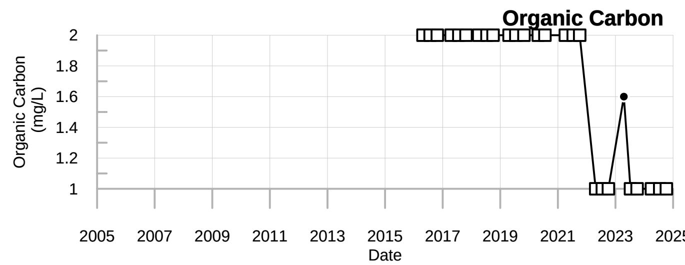

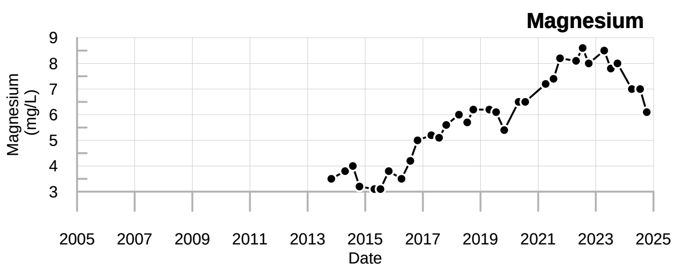

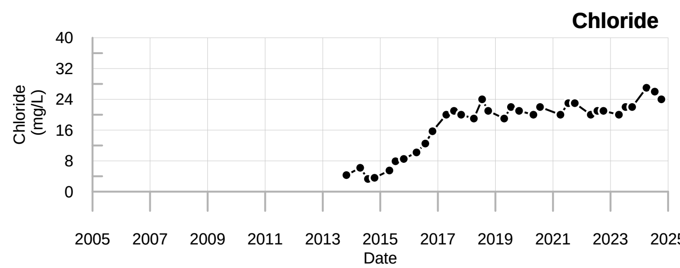

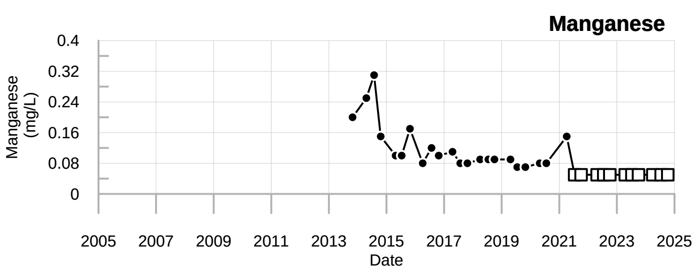

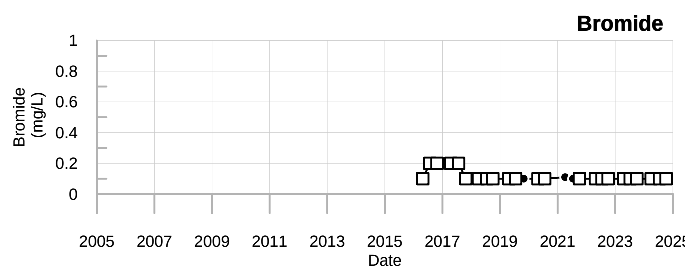

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

SME
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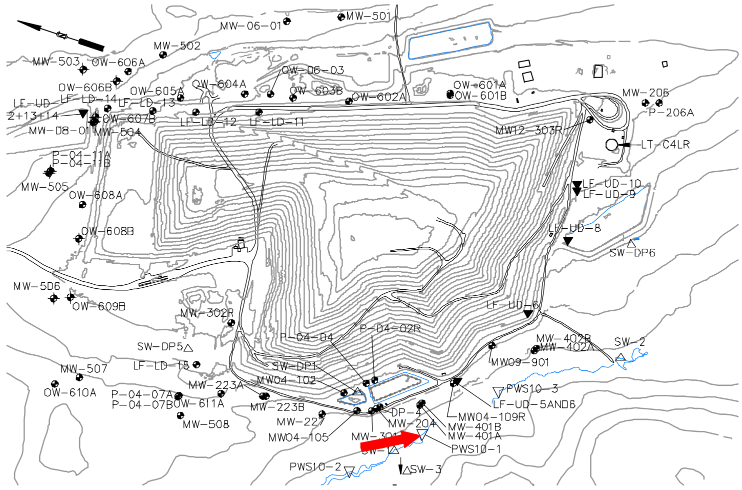
P-206A
Juniper Ridge Landfill

Well Description

PWS10-1 is a pore water sampling location along the unnamed tributary to Pushaw stream. PWS10-1 is downgradient of the landfill.



Screen Interval:	
Sampled:	**3 Times Annually**
Sampled Since:	**04/26/2010**
Material Screened:	
Well Condition:	**NA**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min	Max	Mean ± SE	n
Specific Conductance (µmhos/cm @25°C)		123	317	192	67	to 438	200 ± 12.000	42
pH (STU)		6.8	6.3	6.6	5.3	to 7.2	6.2 ± 0.066	42
Temperature (Deg C)		4.7	↑26	13.8	2.7	to 25	13 ± 1.000	42
Eh (mV)		454	360	438	-38	to 818	220 ± 22.000	42
Dissolved Oxygen (mg/L)		5.5	8.7	3.2	0	to 9.5	2.3 ± 0.350	42
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.002 U	to 0.019	0.0073 ± 0.001	42
Calcium (mg/L)		16	↓0.3 U	22	6.8	to 38.1	22 ± 1.300	42
Iron (mg/L)		0.29	↓0.05 U	1	0.07	to 30.3	4.7 ± 0.850	42
Magnesium (mg/L)		4.2	↓0.3 U	6.2	2.3	to 12.7	6.6 ± 0.410	42
Manganese (mg/L)		0.05 U	0.05 U	<u>**0.31**</u>	0.05 U	to 4.8	0.6 ± 0.140	42
Potassium (mg/L)		1.1	↓0.3 U	1.3	0.4	to 3.2	1.2 ± 0.099	42
Sodium (mg/L)		3.6	↓0.3 U	4.9	2.8	to 11	7.2 ± 0.250	42
Nitrite/Nitrate - (N) (mg/L)		0.085	0.076	0.05 U	0.05 U	to 2 U	0.18 ± 0.074	27
Total Phosphorus Mixed Forms (PO4 and		0.04 U	0.23	0.041	0.03	to 0.81	0.13 ± 0.023	42
Total Dissolved Solids (mg/L)		87	181	142	87	to 197	140 ± 5.100	42
Total Suspended Solids (mg/L)		19	77	21	2.5 U	to 786	54 ± 19.000	42
Sulfate (mg/L)		7.5	↑30	3.1	1	to 15	4.2 ± 0.490	42
Bicarbonate Alkalinity (CaCO3) (mg/L)		54	120	93	21	to 130	77 ± 4.700	42
Organic Carbon (mg/L)		5	13	14	2.5	to 35	14 ± 1.300	42
Chloride (mg/L)		2.8	3.4	5.7	2.4	to 22.9	9.1 ± 0.650	42
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to 0.2 U	0.11 ± 0.006	33
Turbidity (field) (NTU)		0.6	3.3	0.8	0.2	to 20	3.7 ± 0.590	42
Methane (ug/L)		↓7.6	780	320	20 U	to 4600	680 ± 230.000	21

<u>**underlined/bold**</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

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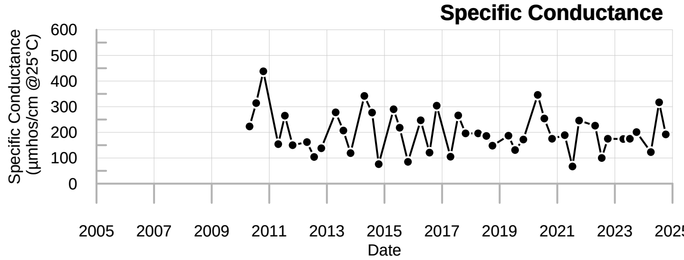

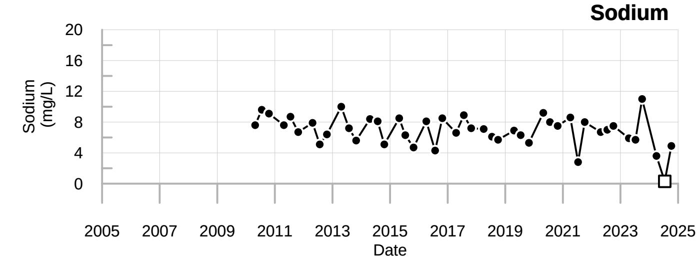

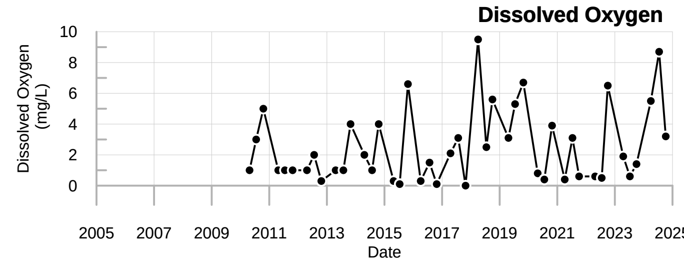

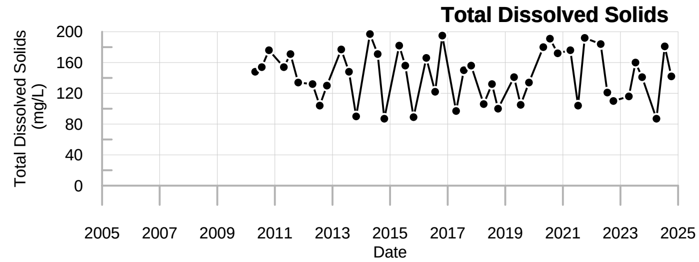

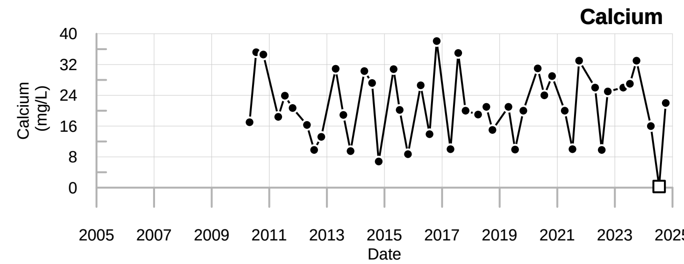

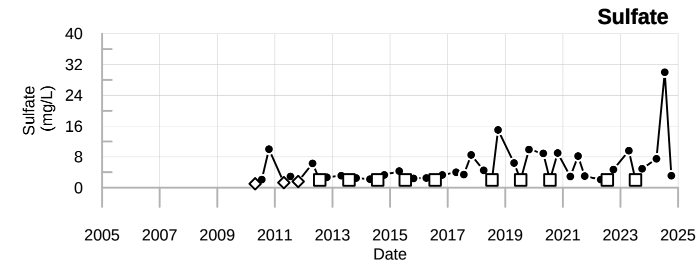

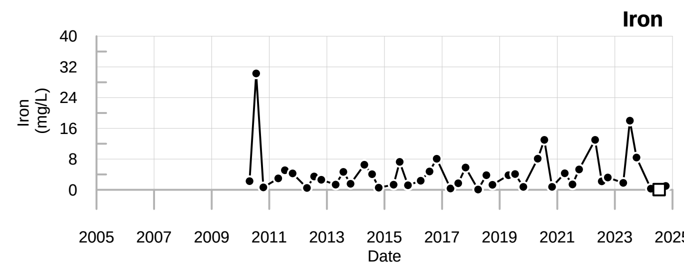

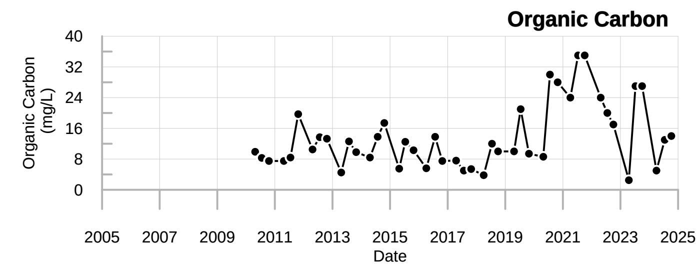

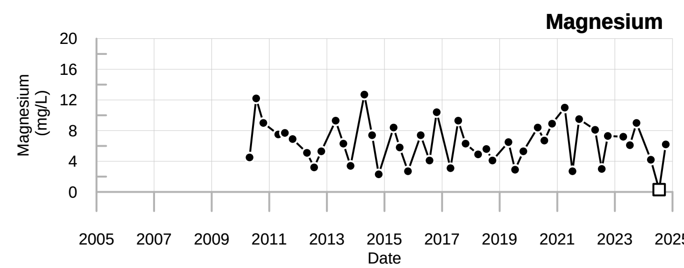

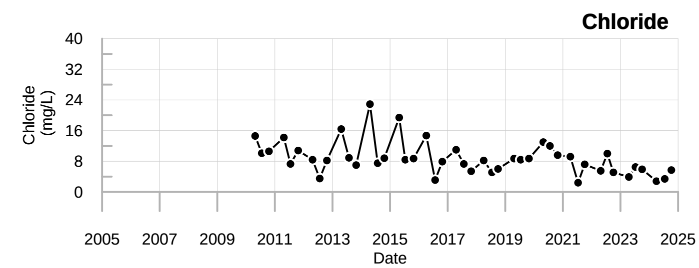

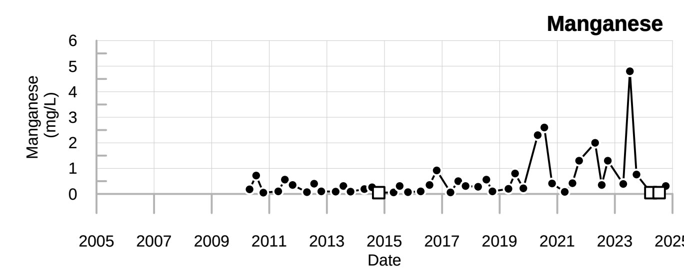

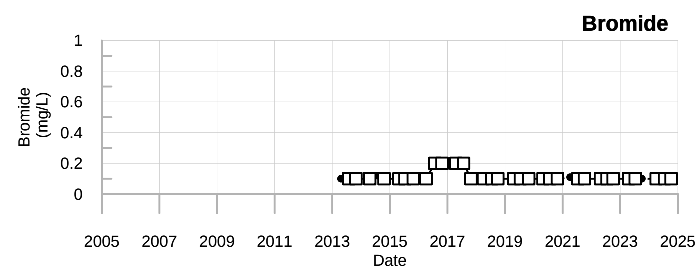

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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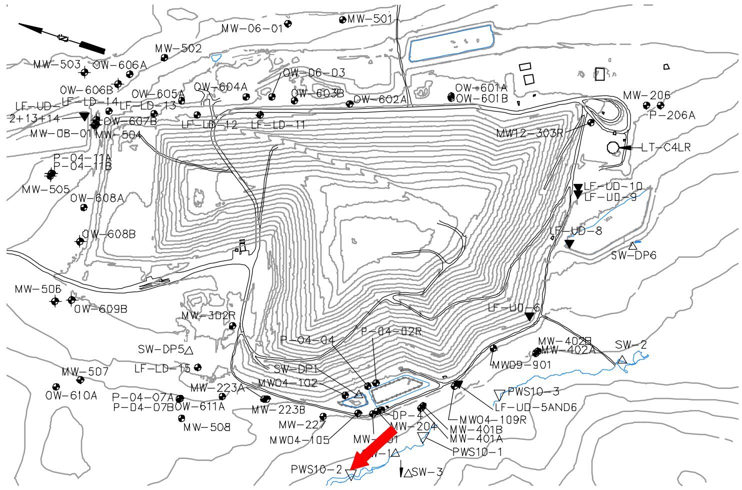
PWS10-1
Juniper Ridge Landfill

Well Description

PWS10-2 is a pore water sampling location along the unnamed tributary to Pushaw stream. PWS10-2 is downgradient of the landfill.



Screen Interval:	
Sampled:	**3 Times Annually**
Sampled Since:	**04/26/2010**
Material Screened:	
Well Condition:	**NA**
Sampling Method:	**Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		↓48	226	272	63	to	276	120	±	6.600	41
pH (STU)		6.7	6.7	7.4	5.4	to	7.7	6.5	±	0.110	41
Temperature (Deg C)		3.1	25.6	13.5	1.3	to	26.7	13	±	1.100	41
Eh (mV)		441	341	405	-5	to	509	270	±	21.000	41
Dissolved Oxygen (mg/L)		9.6	7.6	3.1	0.2	to	11.3	4.3	±	0.470	41
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.002 U	to	0.015	0.0058	±	0.000	41
Calcium (mg/L)		↓3.3	24	14	5.3	to	29	11	±	0.650	41
Iron (mg/L)		0.92	0.89	1.5	0.05 U	to	13.8	2.1	±	0.370	41
Magnesium (mg/L)		1.2	2.9	3	1.2	to	4.7	2.6	±	0.150	41
Manganese (mg/L)		0.05 U	0.21	**<u>0.35</u>**	0.02 U	to	0.94	0.18	±	0.030	41
Potassium (mg/L)		0.83	2.3	1.1	0.3 U	to	2.5	0.98	±	0.090	41
Sodium (mg/L)		3.7	2.1	3	1.6	to	8.3	4.4	±	0.230	41
Nitrite/Nitrate - (N) (mg/L)		0.05 U	0.086	0.05 U	0.05 U	to	2 U	0.17	±	0.077	26
Total Phosphorus Mixed Forms (PO4 and		0.04 U	0.04 U	0.067	0.02	to	0.22	0.059	±	0.006	41
Total Dissolved Solids (mg/L)		51	93	102	38	to	119	85	±	3.000	41
Total Suspended Solids (mg/L)		11	9.3	39	2.5 U	to	327	34	±	10.000	41
Sulfate (mg/L)		2.7	6.9	6.8	1.6	to	19	5.1	±	0.630	41
Bicarbonate Alkalinity (CaCO3) (mg/L)		↓8.2	↑69	47	9.3	to	64	30	±	2.100	41
Organic Carbon (mg/L)		5.7	6.7	16	2.6	to	26	11	±	0.960	41
Chloride (mg/L)		5.6	↓1.4	4.5	2.8	to	19.8	7.3	±	0.580	41
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11	±	0.006	32
Turbidity (field) (NTU)		0.6	2.2	1.2	0.3	to	6.5	2.7	±	0.240	41
Methane (ug/L)		↓5.2 U	61	390	20 U	to	4800	340	±	230.000	21

<u>underlined/bold</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

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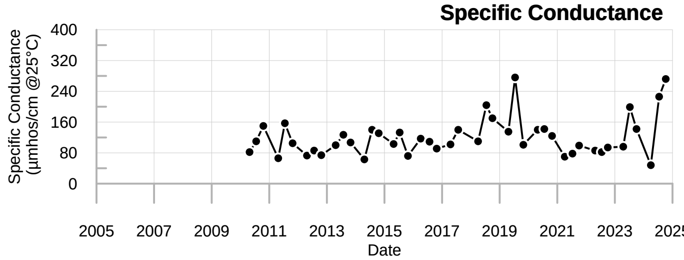
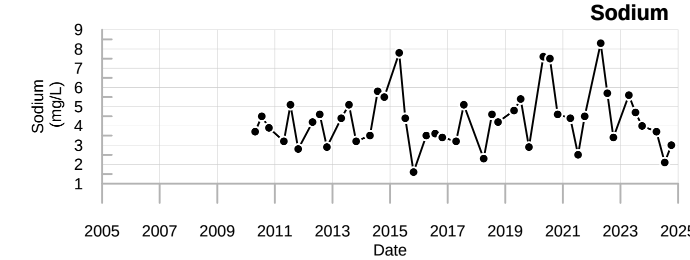
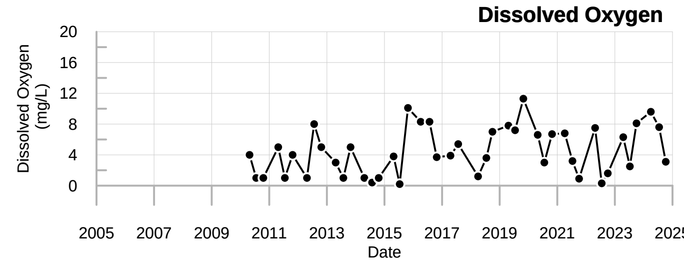
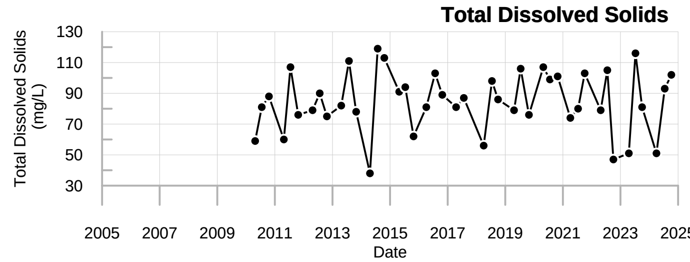
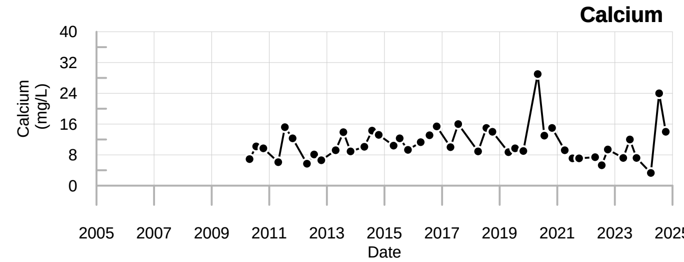
PWS10-2

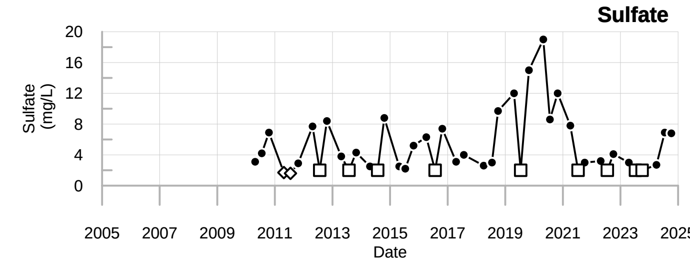


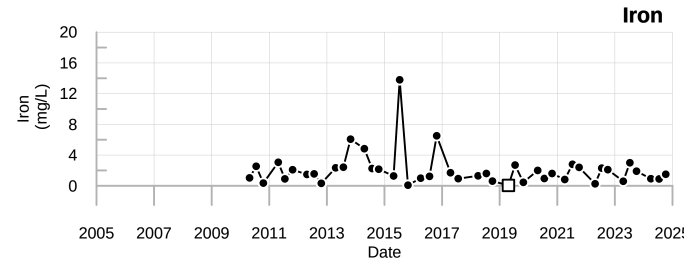


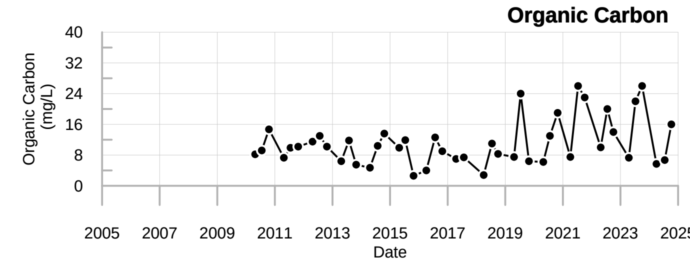


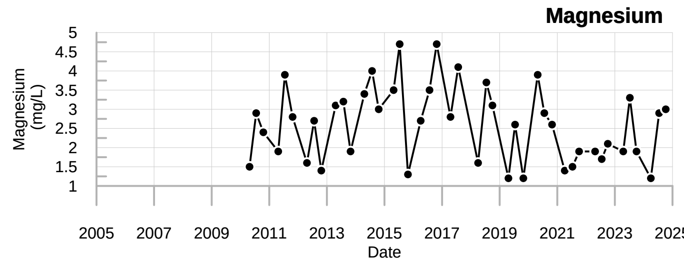


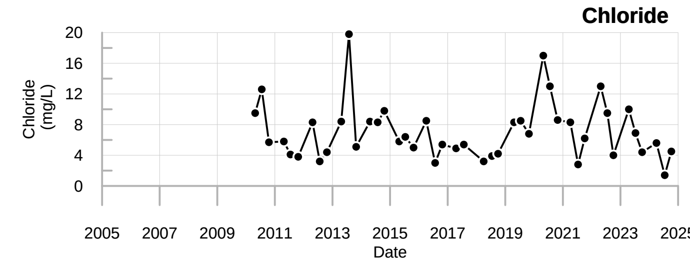


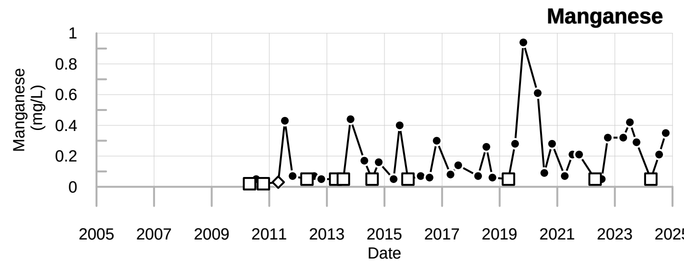


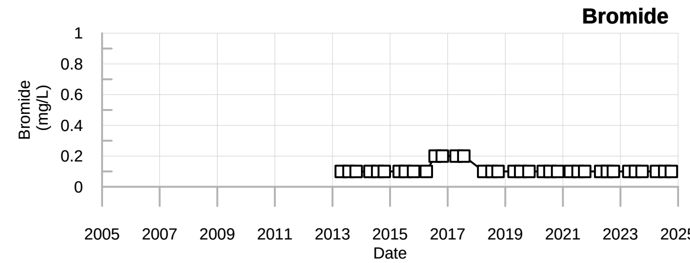












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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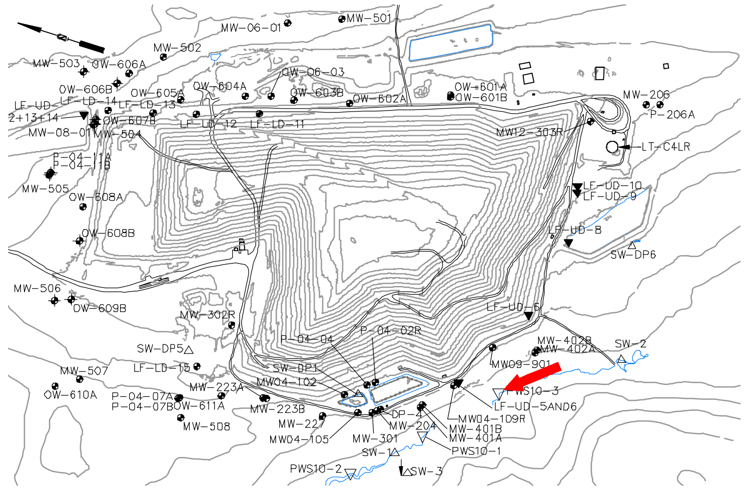
PWS10-2

Juniper Ridge Landfill

Well Description

PWS10-3 is a pore water sampling location along the unnamed tributary to Pushaw stream. PWS10-3 is downgradient of the landfill.



Screen Interval:

Sampled: **3 Times Annually**

Sampled Since: **04/26/2010**

Material Screened:

Well Condition: **NA**

Sampling Method: **Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		68	166	189	42	to	222	110	±	7.600	39
pH (STU)		6.8	6.6	6.9	5	to	7.4	6.2	±	0.096	39
Temperature (Deg C)		3.6	24.5	12.9	2.7	to	26.8	13	±	1.100	39
Eh (mV)		437	345	444	-7	to	540	280	±	20.000	39
Dissolved Oxygen (mg/L)		7.5	2.9	4.3	0.3	to	10.3	4.1	±	0.470	39
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.002 U	to	0.011	0.0056	±	0.000	39
Calcium (mg/L)		5.4	↑36	20	3	to	25	9.7	±	0.790	39
Iron (mg/L)		1.8	↑29	2.3	0.17	to	20.8	3.7	±	0.700	39
Magnesium (mg/L)		1.2	↑11	↑5.6	0.7	to	5	2.8	±	0.160	39
Manganese (mg/L)		0.05 U	**<u>2</u>**	**<u>0.49</u>**	0.02	to	2.8	0.36	±	0.086	39
Potassium (mg/L)		1.3	↑5.8	1.5	0.1	to	2.6	0.71	±	0.081	39
Sodium (mg/L)		2.1	8.6	3.9	0.5	to	8.6	4.4	±	0.250	39
Nitrite/Nitrate - (N) (mg/L)		0.061	0.05 U	0.05 U	0.05 U	to	2 U	0.25	±	0.099	24
Total Phosphorus Mixed Forms (PO4 and		0.18	0.28	0.071	0.03	to	0.5	0.12	±	0.018	39
Total Dissolved Solids (mg/L)		66	↑204	144	29	to	163	95	±	4.100	39
Total Suspended Solids (mg/L)		62	220	28	2.5 U	to	489	39	±	13.000	39
Sulfate (mg/L)		4	↑50	2 U	0.6 U	to	47.3	4.4	±	1.200	39
Bicarbonate Alkalinity (CaCO3) (mg/L)		↓1.7	46	84	5.8	to	87	32	±	3.200	39
Organic Carbon (mg/L)		13	21	8.3	2 U	to	41	16	±	1.400	39
Chloride (mg/L)		2.1	6	6.8	1 U	to	15	4.9	±	0.490	39
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11	±	0.006	30
Turbidity (field) (NTU)		1.1	4.3	1.5	0.6	to	18.3	3.8	±	0.500	39
Methane (ug/L)		21	500	210	20 U	to	4000	350	±	190.000	21

<u>underlined/bold</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

Data Group: 245
Printed: 4/16/2025 11:26

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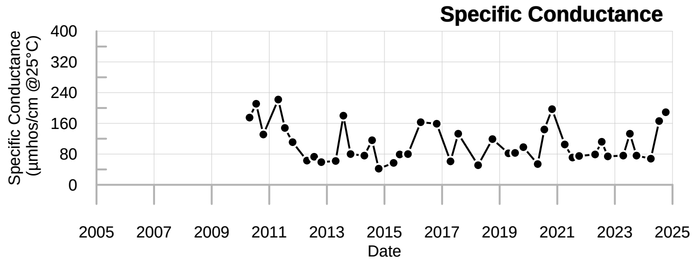

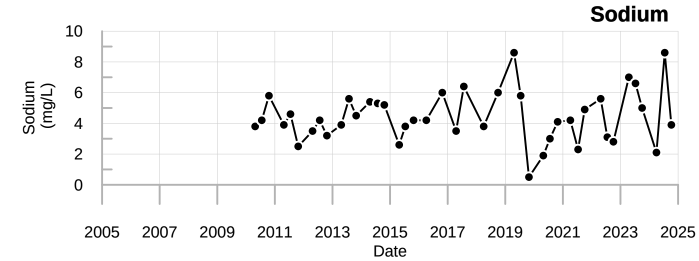

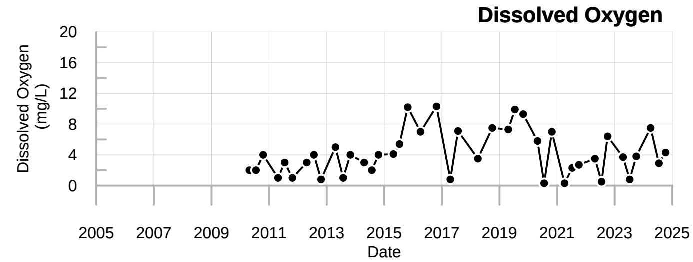

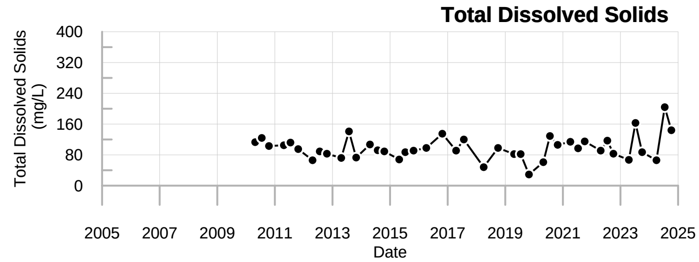

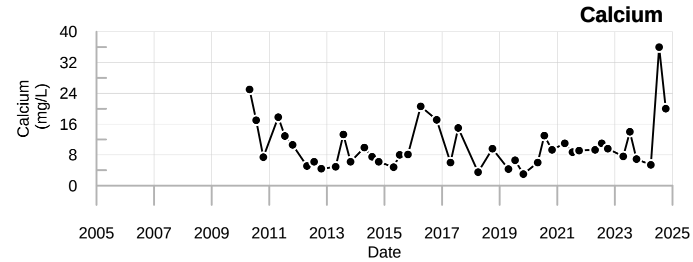

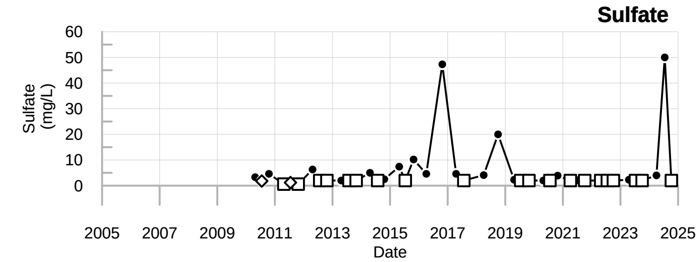

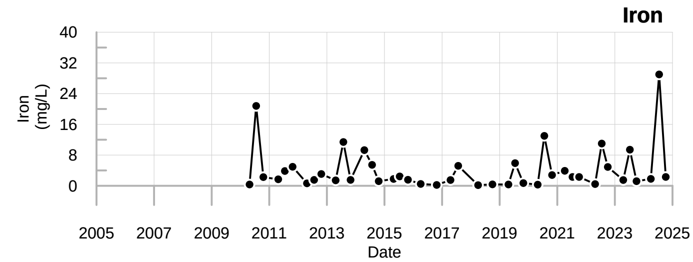

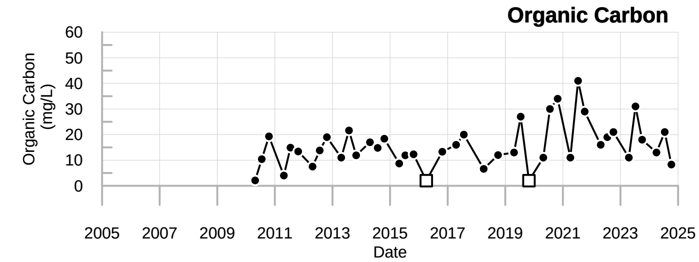

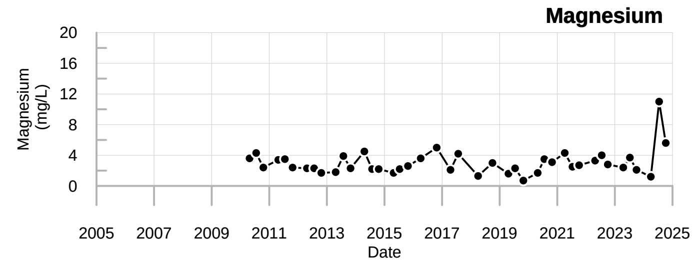

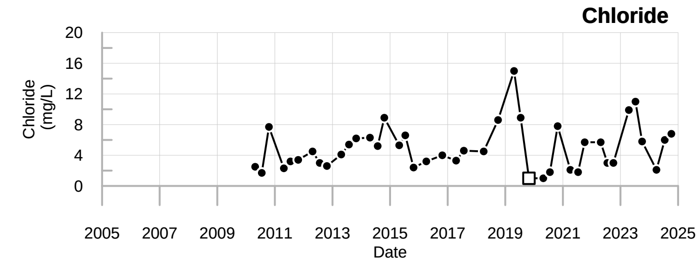

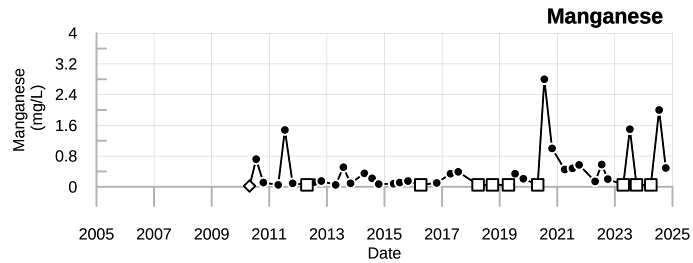

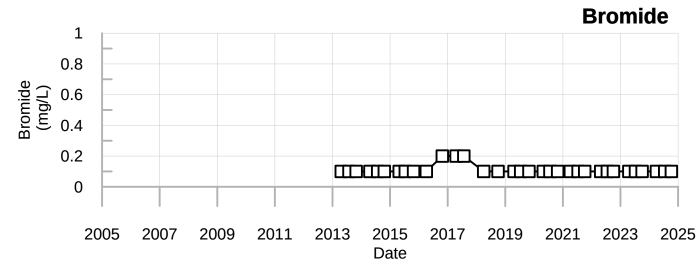

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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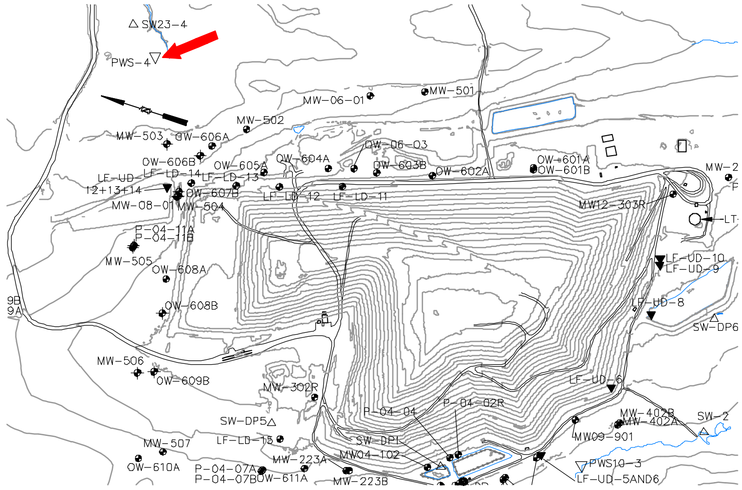
PWS10-3
Juniper Ridge Landfill

Well Description

PWS-4 is a pore water sampling location along the unnamed tributary to Pushaw Stream. PWS-4 is downgradient of the landfill expansion.



Screen Interval:

Sampled: **3 Times Annually**

Sampled Since: **1/24/2023**

Material Screened:

Well Condition:

Sampling Method: **Low Flow**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		↓48	↓94	↓99	118	to 255	180	± 23.000	5
pH (STU)		7	6.4	↓6.1	6.3	to 7.1	6.7	± 0.130	5
Temperature (Deg C)		9	↑21.9	10.2	2.3	to 18.6	12	± 3.000	5
Eh (mV)		↑200	↑207	↑175	96	to 162	130	± 13.000	5
Dissolved Oxygen (mg/L)		↑9	0.9	↑5.5	0.3	to 3.3	2	± 0.600	5
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to 0.011	0.0062	± 0.001	5
Calcium (mg/L)		↓4.4	12	↓9.6	10	to 21	14	± 2.400	5
Copper (mg/L)			0.003 U		0.003 U	to 0.003 U	0.003	± 0.000	5
Iron (mg/L)		↑6.3	2.4	1.8	1.2	to 4.8	2.9	± 0.650	5
Magnesium (mg/L)		↓2.3	↓2.9	↓2.6	3.1	to 5	3.9	± 0.420	5
Manganese (mg/L)		0.29	**0.49**	**0.88**	0.26	to 2.1	0.91	± 0.330	5
Potassium (mg/L)		↑1.9	↑1.3	1.2	0.3 U	to 1.2	0.66	± 0.200	5
Sodium (mg/L)		↓3.1	↓2.4	↓3	4.8	to 7.1	5.9	± 0.400	5
Boron (mg/L)			↑0.18		0.05 U	to 0.05 U	0.05	± 0.000	5
Total Kjeldahl Nitrogen (mg/L)		↓0.22	↑0.76		0.37	to 0.56	0.45	± 0.036	5
Ammonia (N) (mg/L)			0.5		0.5 U	to 0.5 U	0.5	± 0.000	5
Nitrite/Nitrate - (N) (mg/L)		0.055	0.05 U	↑0.12	0.05 U	to 0.092	0.067	± 0.010	5
Total Phosphorus Mixed Forms (PO4 and			0.05	0.04 U	0.033	to 0.09	0.059	± 0.010	5
Total Dissolved Solids (mg/L)		↓65	96	↓83	92	to 122	110	± 6.000	5
Total Suspended Solids (mg/L)		8.3 U	28	44	7	to 98	36	± 16.000	5
Sulfate (mg/L)		↑6	3	↑13	2 U	to 5.6	3.5	± 0.740	5
Sulfide (mg/L)			0.1 U		0.1 U	to 0.5 U	0.2	± 0.077	5
Bicarbonate Alkalinity (CaCO3) (mg/L)		16	37	26	No historical data for Bicarbonate Alkalinity (CaCO3).				
Alkalinity (CaCO3) (mg/L)			37		29	to 71	47	± 9.500	5
Organic Carbon (mg/L)		↓4.4	↑15	↓5.4	7.1	to 14	9.8	± 1.200	5
Biochemical Oxygen Demand (mg/L)			2 U		2 U	to 2 U	2	± 0.000	1
Chloride (mg/L)		4.5	↓2.4	4.7	4.5	to 12	8.6	± 1.500	5
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to 0.14	0.11	± 0.008	5
Turbidity (field) (NTU)		↑26.9	↑18.6	↑14.7	5.6	to 12.5	9.6	± 1.200	5
Methane (ug/L)		25	↑180	↑150	20 U	to 62	39	± 8.200	5

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Sulfate DWA=500 mg/L, Ammonia (N) LHA=30 mg/L, Boron LHA=6 mg/L, Sodium DWA=20 mg/L, Manganese LHA=0.3 mg/L, Copper MCL=1.3 mg/L, Arsenic MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
DWA	GW	Health-Based Drinking Water Advisory
LHA	GW	EPA Lifetime Health Advisory
MCL	GW	Maximum Contaminant Level

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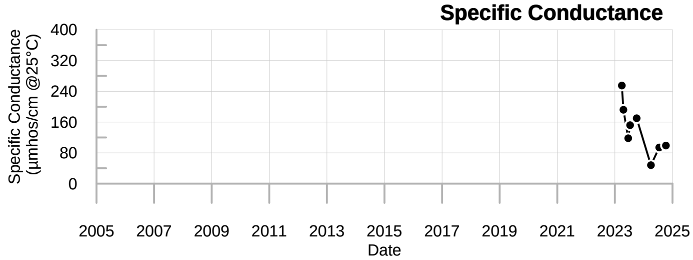
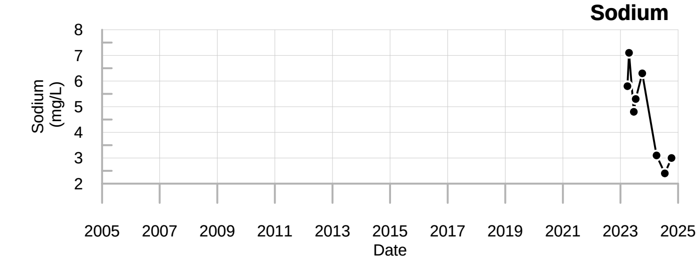
PWS-4

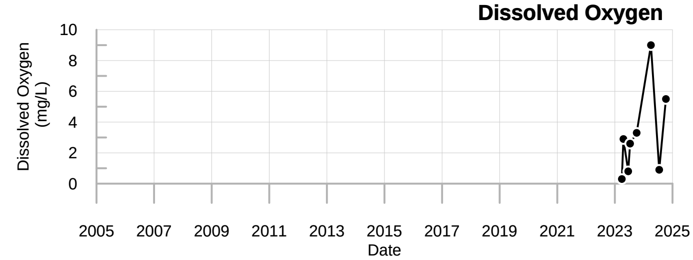
Specific Conductance



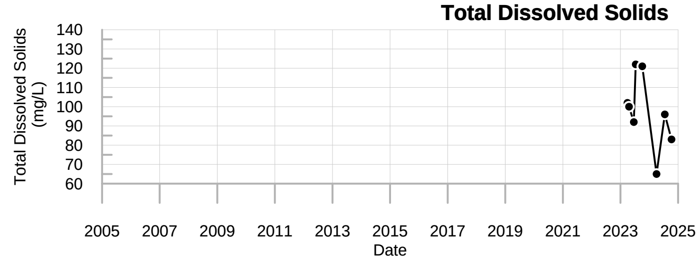
Sodium



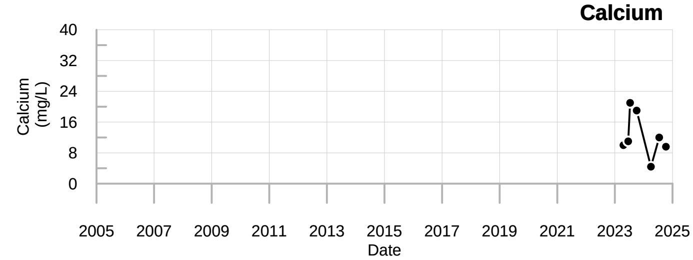
Dissolved Oxygen



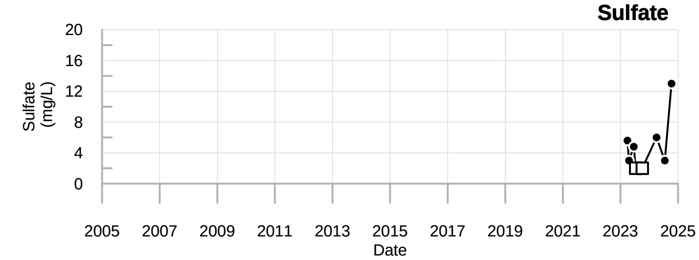
Total Dissolved Solids



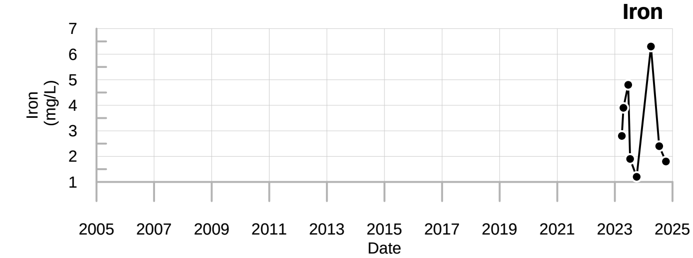
Calcium



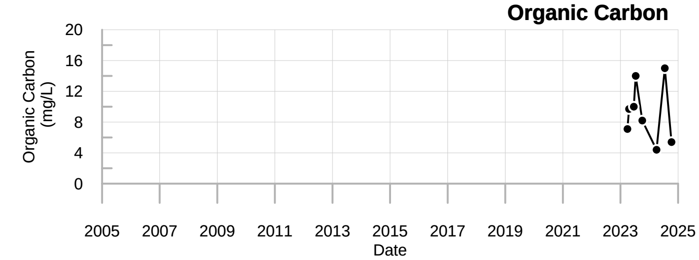
Sulfate



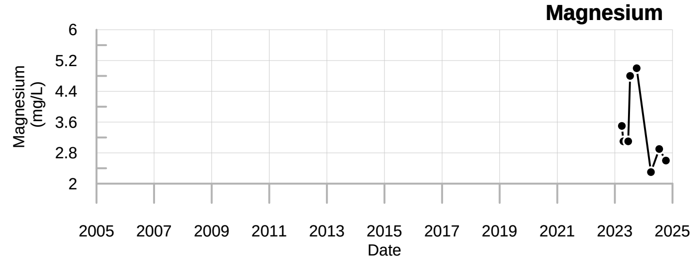
Iron



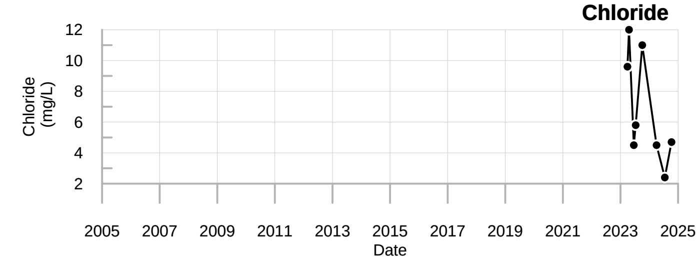
Organic Carbon



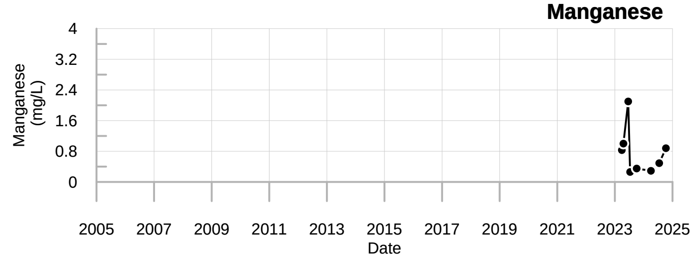
Magnesium



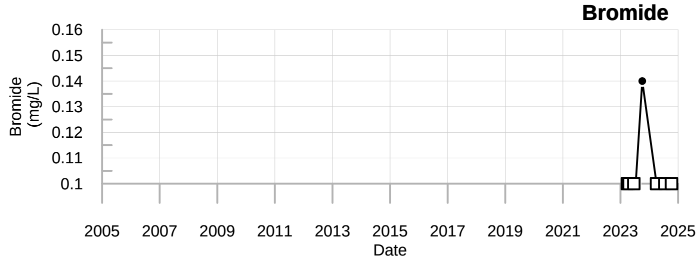
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.
◇ - Estimated Value (J-flagged).

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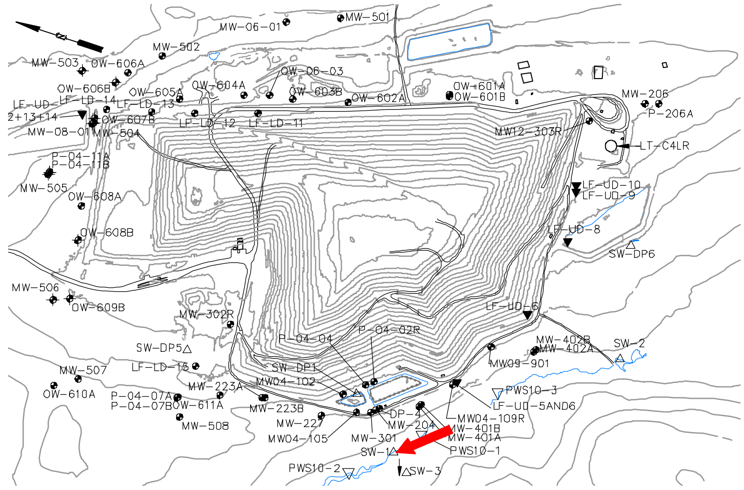
PWS-4
Juniper Ridge Landfill

Well Description

SW-1 is located downgradient of the landfill and monitors surface water quality in an unnamed tributary to Pushaw Stream.



Sampled:	**3 Times Annually**
Sampled Since:	**11/13/90**
Sampling Method:	**Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min	to	Max	Mean	±	SE	n
Specific Conductance (µmhos/cm @25°C)		226	268	174	10	to	345	110	±	6.300	101
pH (STU)		6.9	6.7	7.1	5.8	to	8.2	6.9	±	0.055	101
Temperature (Deg C)		12.1	↑29.3	15.5	0	to	27.5	13	±	0.740	101
Eh (mV)		396	351	385	52.7	to	549	300	±	13.000	70
Dissolved Oxygen (mg/L)		5.9	4.8	7.1	0.6	to	15.1	5.1	±	0.280	99
Flow Rate (cfs)		0.0111	0.0111	0.0111	0.0022	to	0.0223	0.011	±	0.004	6
Arsenic (mg/L)		0.0053	0.005 U	0.005 U	0.001	to	0.012	0.0048	±	0.000	59
Calcium (mg/L)		31	36	18	3.1	to	48	12	±	0.950	89
Iron (mg/L)		<u>**1.2**</u>	<u>**5.5**</u>	1	0.07	to	19.4	2.1	±	0.310	94
Magnesium (mg/L)		7.4	8.1	5.2	0.21	to	11	3.5	±	0.230	89
Manganese (mg/L)		0.05 U	0.82	0.19	0.001	to	4.8	0.29	±	0.063	94
Potassium (mg/L)		1.6	1.3	0.92	0.1	to	5	1.2	±	0.130	59
Sodium (mg/L)		5.1	6	4.7	2.9	to	12	5.9	±	0.190	94
Nitrite/Nitrate - (N) (mg/L)		0.41	0.18	0.05 U	0.05 U	to	2 U	0.19	±	0.074	27
Total Phosphorus Mixed Forms (PO4 and		0.06	0.14	0.04 U	0.01 U	to	0.95	0.1	±	0.019	71
Total Dissolved Solids (mg/L)		141	178	123	30	to	235	97	±	4.300	94
Total Suspended Solids (mg/L)		30	46	8.3 U	2.5 U	to	1490	67	±	28.000	59
Sulfate (mg/L)		8.7	↑21	2.4	0.2	to	17	3.8	±	0.340	94
Bicarbonate Alkalinity (CaCO3) (mg/L)		110	120	75	10.6	to	170	48	±	4.800	59
Alkalinity (CaCO3) (mg/L)			120	75	No historical data for Alkalinity (CaCO3).						
Organic Carbon (mg/L)		↓3.9	13	14	4.5	to	49	13	±	0.640	94
Biochemical Oxygen Demand (mg/L)		2 U	6	4	1 U	to	20	5	±	0.440	71
Chloride (mg/L)		3.3	3.9	5.6	1 U	to	27.6	8	±	0.470	94
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11	±	0.006	33
Turbidity (field) (NTU)		0.9	2.6	0.5	0	to	175	5	±	2.200	80

<u>**underlined/bold**</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=1.4 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
MFCCC	SW	MEDEP Freshwater Criterion Continuous Concentration

Data Group: 245
Printed: 4/16/2025 11:26

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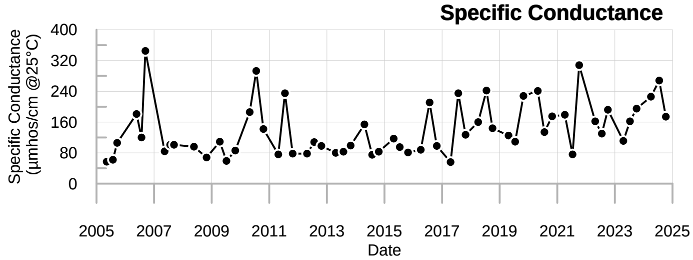

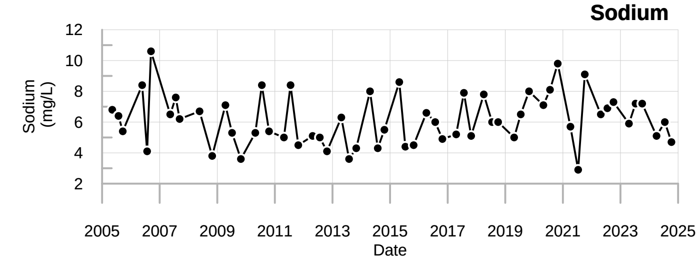

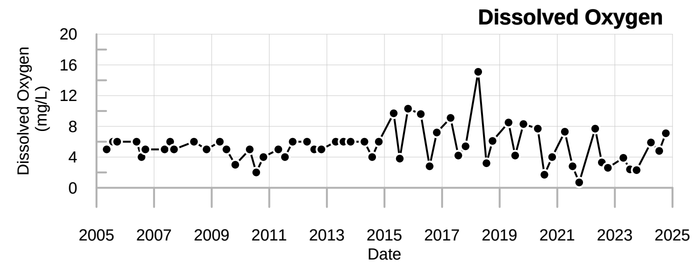

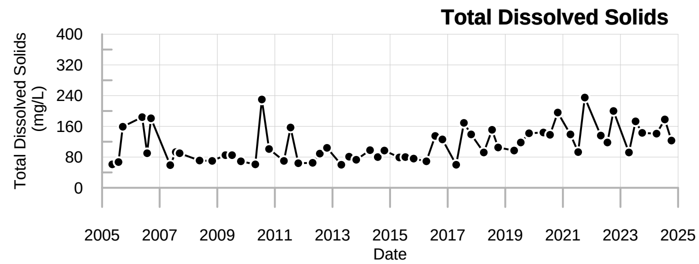

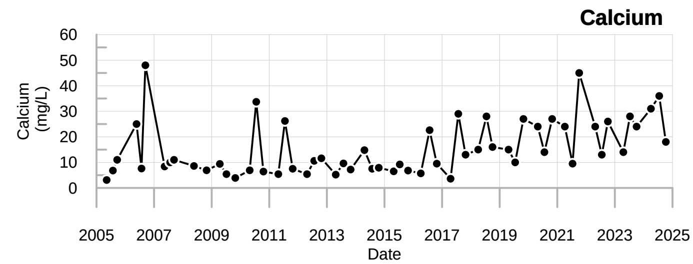

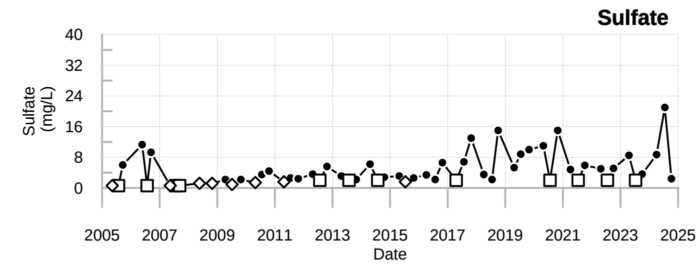

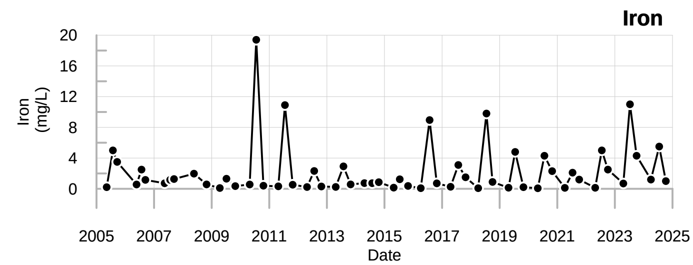

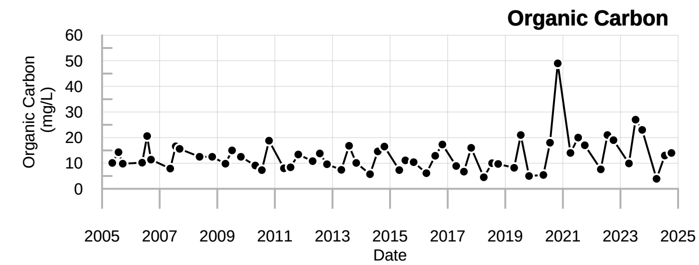

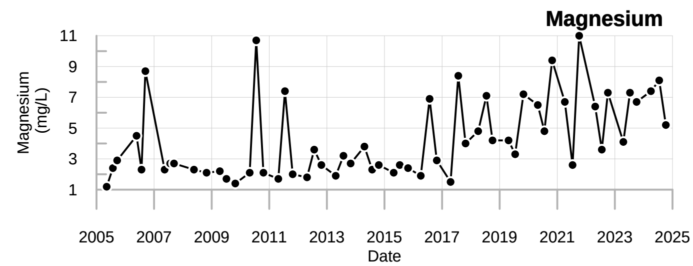

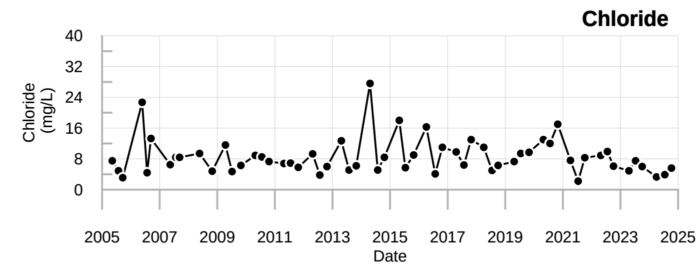

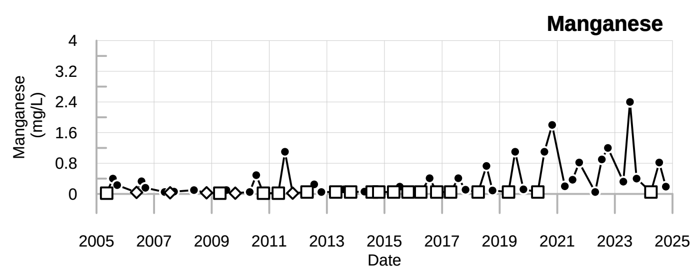

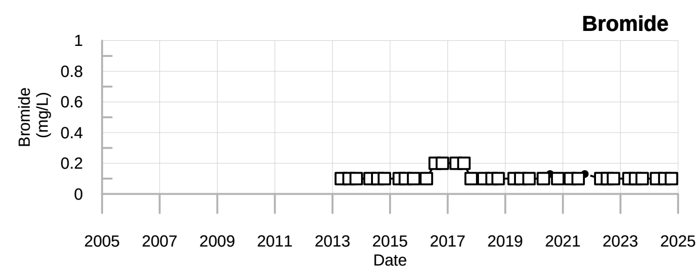

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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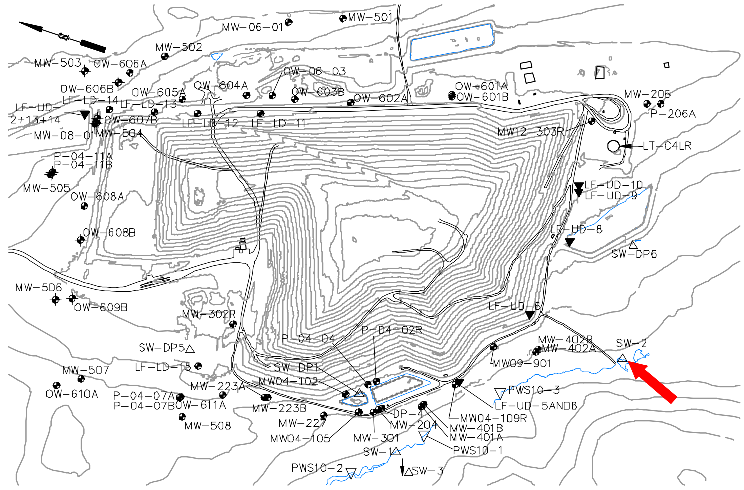
SW-1
Juniper Ridge Landfill

Well Description

SW-2 is located upgradient of the landfill and monitors surface water quality in an unnamed tributary to Pushaw Stream.



Sampled: **3 Times Annually**

Sampled Since: **11/13/90**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	Q1 (2024)	Q2 (2024)	Q3 (2024)	Q4 (2024)	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		59	98	87	10	to	150	74	±	2.300	107
pH (STU)		6.4	6.3	6.1	5.42	to	8.5	6.6	±	0.060	109
Temperature (Deg C)		5.2	25.5	15.2	0	to	29.6	13	±	0.820	108
Eh (mV)		439	375	397	69.2	to	516	330	±	12.000	71
Dissolved Oxygen (mg/L)		10	3.5	5.6	0.4	to	13.7	4.6	±	0.260	107
Flow Rate (cfs)		11		0.0111	0.0017	to	14	2.5	±	0.450	45
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001 U	to	0.011	0.0042	±	0.000	60
Calcium (mg/L)		3.7	10	6.4	0.1 U	to	11	5.9	±	0.210	95
Iron (mg/L)		0.32	**<u>2.6</u>**	0.93	0.03 U	to	8.8	1.1	±	0.110	101
Magnesium (mg/L)		1.5	3.1	2.4	0.1 U	to	3.7	2.1	±	0.062	95
Manganese (mg/L)		0.05 U	0.17	0.052	0.003	to	0.47	0.093	±	0.009	101
Potassium (mg/L)		0.56	0.3 U	0.31	0.1 U	to	1.7	0.54	±	0.043	60
Sodium (mg/L)		4.5	5.2	4.4	1 U	to	14	5.4	±	0.200	101
Nitrite/Nitrate - (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2 U	0.17	±	0.074	27
Total Phosphorus Mixed Forms (PO4 and		0.04 U	0.04 U	0.04 U	0.01	to	0.43	0.054	±	0.008	74
Total Dissolved Solids (mg/L)		45	109	85	2	to	131	74	±	2.200	101
Total Suspended Solids (mg/L)		8.3 U	13 U	8.3 U	2.5 U	to	89	9.6	±	2.000	60
Sulfate (mg/L)		2.3	3.8	2 U	0.1 U	to	9.2	2.2	±	0.160	101
Bicarbonate Alkalinity (CaCO3) (mg/L)		12	28	22	8.5	to	46	20	±	1.000	60
Alkalinity (CaCO3) (mg/L)			28	22	No historical data for Alkalinity (CaCO3).						
Organic Carbon (mg/L)		5.9	23	15	1 U	to	30	14	±	0.540	101
Biochemical Oxygen Demand (mg/L)		2 U	2 U	2	1 U	to	42	4.5	±	0.580	73
Chloride (mg/L)		8.4	7.8	10	2 U	to	23	8.1	±	0.440	101
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11	±	0.006	33
Turbidity (field) (NTU)		0.6	1.3	0.9	0	to	10	1.8	±	0.200	83

<u>underlined/bold</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=1.4 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
MFCCC	SW	MEDEP Freshwater Criterion Continuous Concentration

Data Group: 245
Printed: 4/16/2025 11:26

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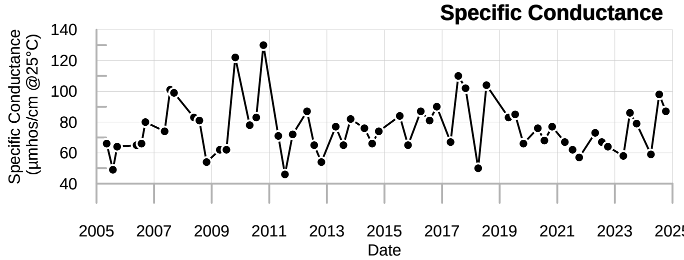

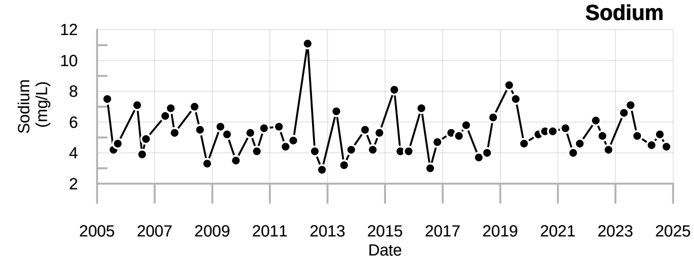

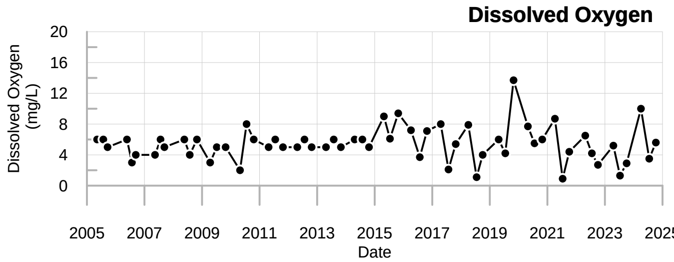

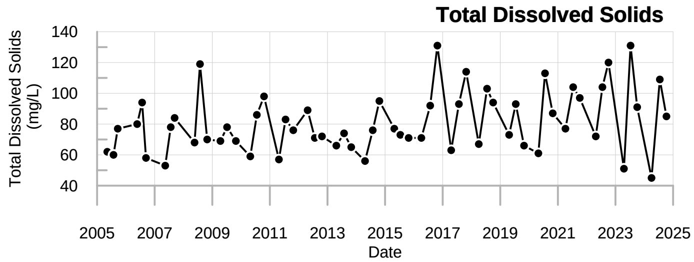

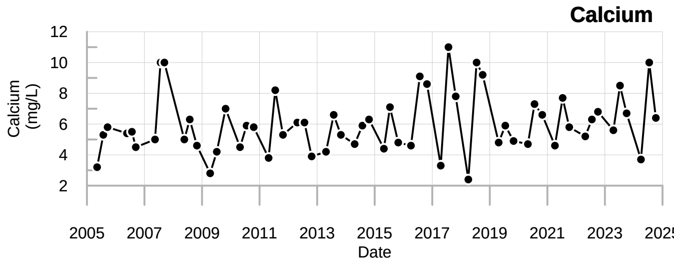

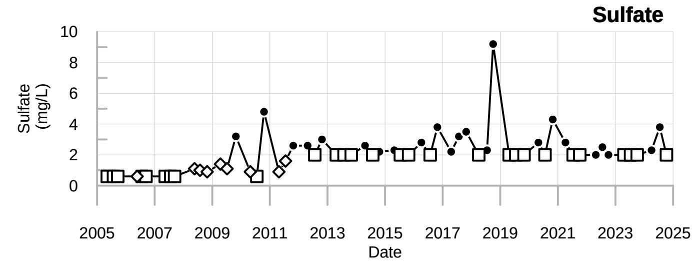

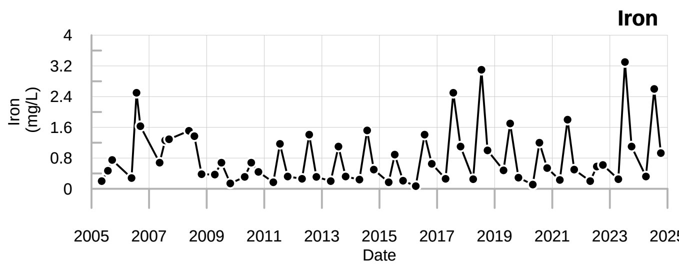

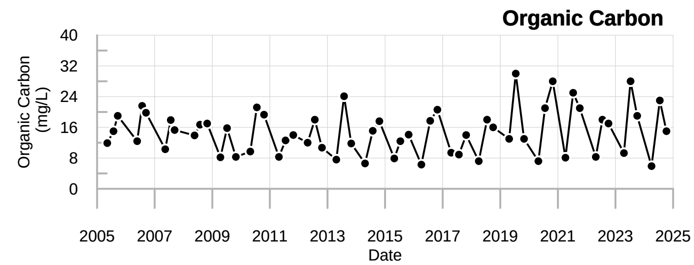

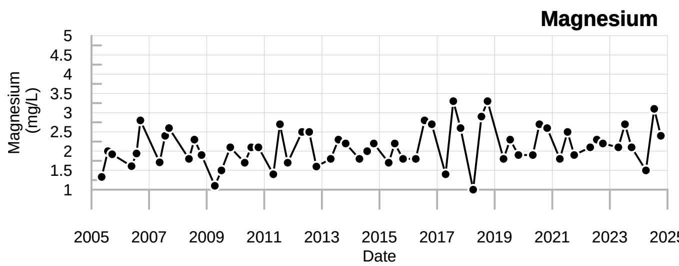

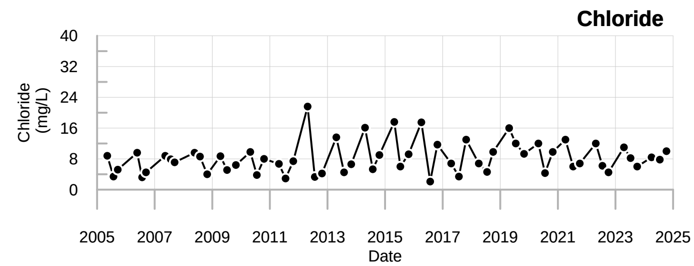

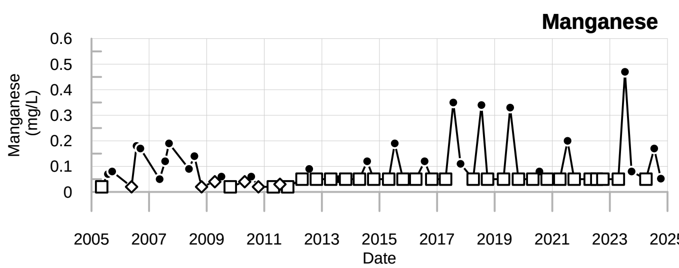

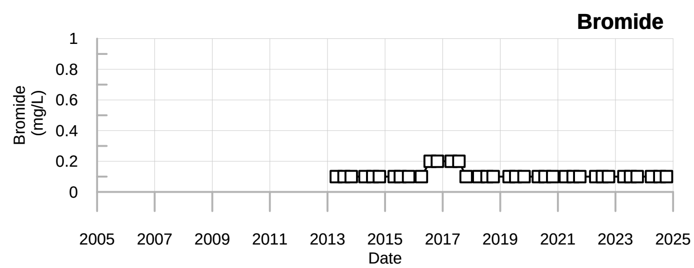

LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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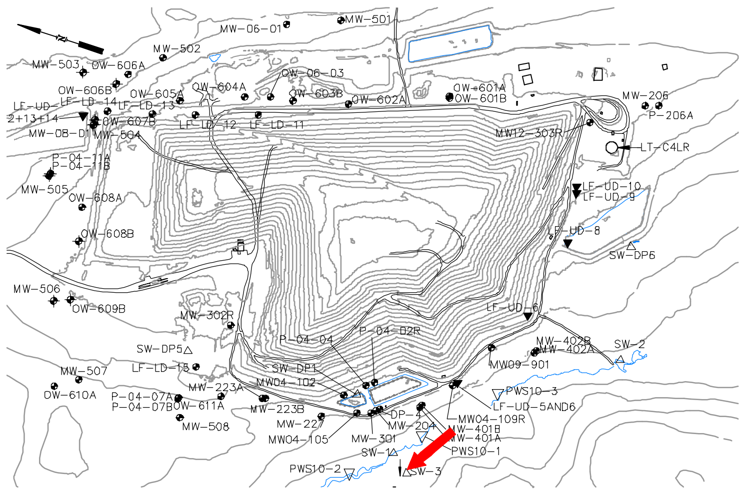
SW-2
Juniper Ridge Landfill

Well Description

SW-3 is located downgradient of the landfill and monitors surface water quality in an unnamed tributary of Pushaw Stream.



Sampled: **3 Times Annually**

Sampled Since: **05/26/94**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean	± SE	n
Specific Conductance (µmhos/cm @25°C)		42	119	102	20	to	151	82	± 2.600	94
pH (STU)		6.8	7	7.9	5.4	to	8.8	6.9	± 0.072	94
Temperature (Deg C)		8.4	26	14.3	0	to	27.4	13	± 0.750	94
Eh (mV)		207	359	348	23.8	to	507	320	± 12.000	72
Dissolved Oxygen (mg/L)		9.9	5.6	8.6	1	to	17.1	6	± 0.300	93
Flow Rate (cfs)		↑21	0.0223	0.0111	0.0045	to	19	6.6	± 0.610	44
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001 U	to	0.008	0.004	± 0.000	60
Calcium (mg/L)		↓2.4	11	7.6	2.8	to	12	7	± 0.240	86
Iron (mg/L)		0.41	**<u>1.5</u>**	**<u>1.5</u>**	0.17	to	3.5	0.89	± 0.071	93
Magnesium (mg/L)		0.7	2.7	2.1	0.47	to	3.1	1.9	± 0.060	86
Manganese (mg/L)		0.05 U	0.17	0.26	0.004	to	1.3	0.16	± 0.023	93
Potassium (mg/L)		0.43	0.54	0.64	0.2	to	2.4	0.73	± 0.057	60
Sodium (mg/L)		3.2	3.9	3.3	2.4	to	12	4.9	± 0.170	93
Nitrite/Nitrate - (N) (mg/L)		0.051	0.05 U	0.05 U	0.05 U	to	2 U	0.19	± 0.074	27
Total Phosphorus Mixed Forms (PO4 and		0.04 U	0.04 U	0.04 U	0.01 U	to	0.4	0.043	± 0.006	69
Total Dissolved Solids (mg/L)		33	85	73	31	to	210	74	± 2.500	93
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	30	4.8	± 0.560	60
Sulfate (mg/L)		2.2	8.8	2.1	0.4	to	35	3.8	± 0.460	93
Bicarbonate Alkalinity (CaCO3) (mg/L)		↓6.6	30	31	10	to	43	22	± 1.100	60
Alkalinity (CaCO3) (mg/L)			30	31	No historical data for Alkalinity (CaCO3).					
Organic Carbon (mg/L)		6.2	13	11	5.7	to	40	12	± 0.450	93
Biochemical Oxygen Demand (mg/L)		2 U	2 U	2	1 U	to	7	3.8	± 0.220	69
Chloride (mg/L)		4.6	4.6	4.9	1 U	to	20	7.2	± 0.390	93
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.11	± 0.006	33
Turbidity (field) (NTU)		0.7	0.8	0.8	0	to	16	1.5	± 0.240	82

<u>underlined/bold</u> - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=1.4 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
MFCCC	SW	MEDEP Freshwater Criterion Continuous Concentration

Data Group: 245
Printed: 4/16/2025 11:26

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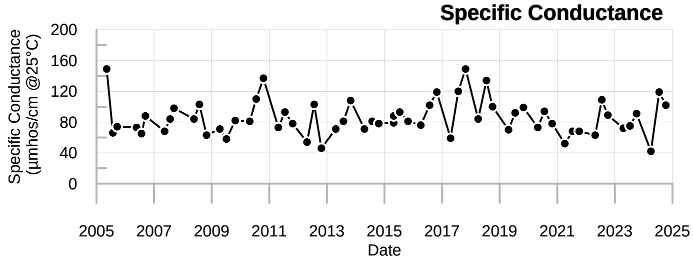
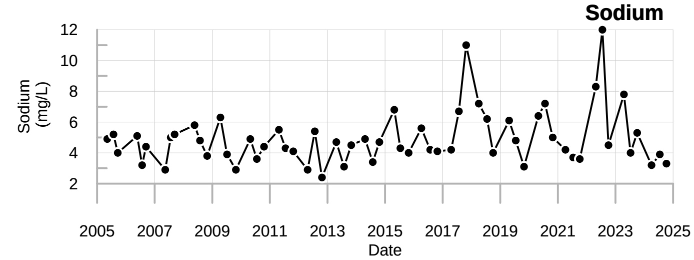
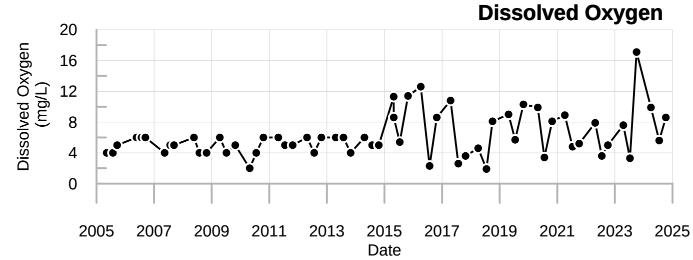
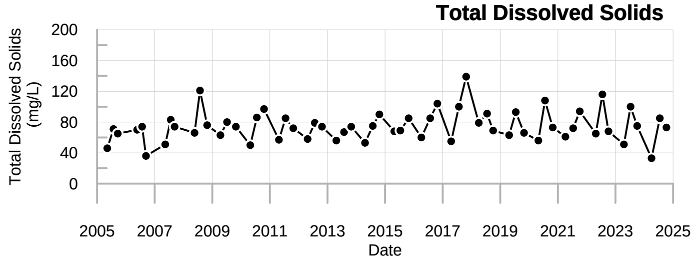
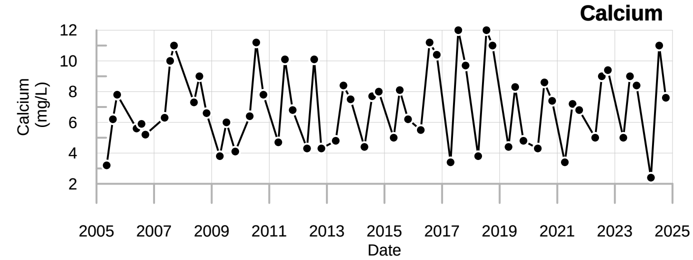
SW-3

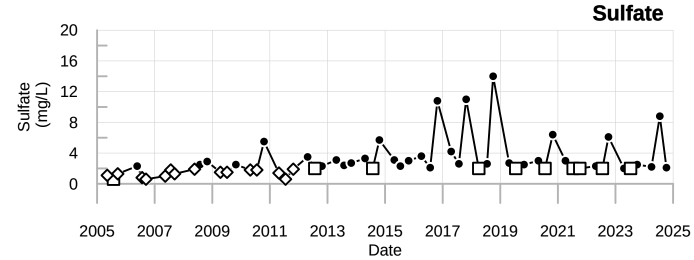


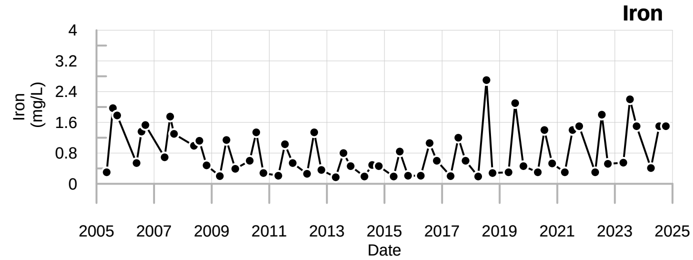


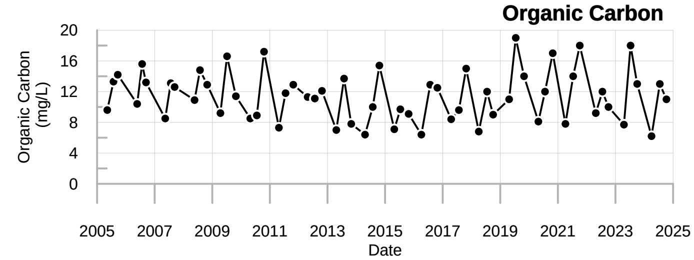


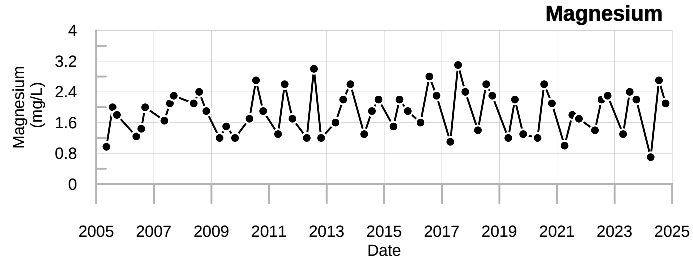


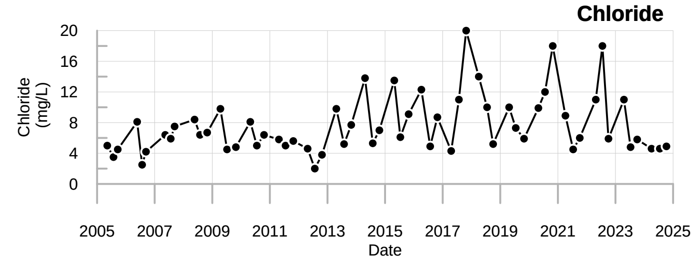


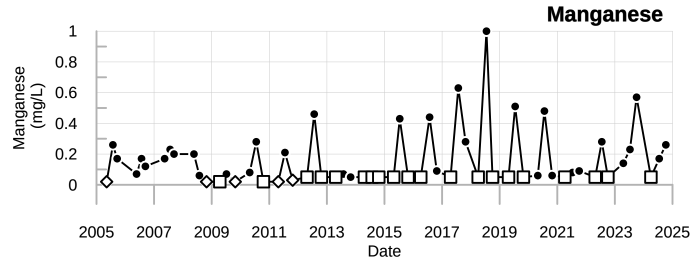


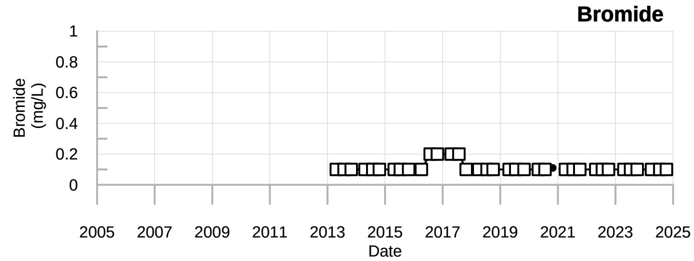












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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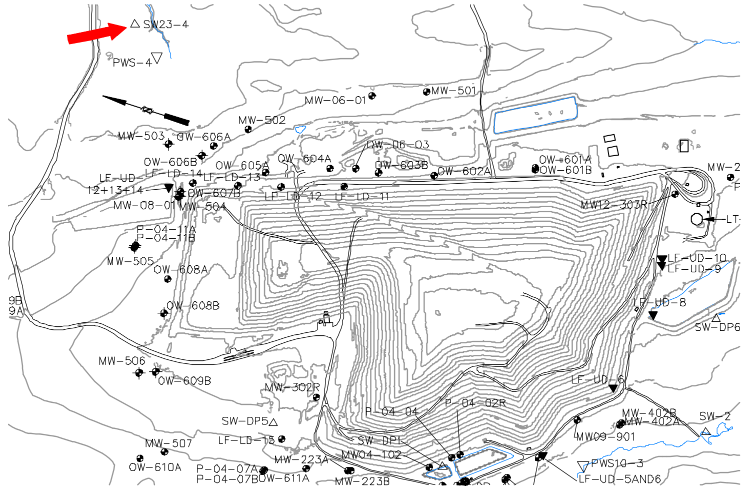
SW-3
Juniper Ridge Landfill

Well Description

SW23-4 is located downgradient of the landfill expansion and monitors surface water quality in an unnamed tributary to Pushaw Stream.



Sampled: **3 Times Annually**

Sampled Since: **1/24/2023**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024				Historical (11/1/1990 - 12/31/2023)						
	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		119	98	124	91	to	227	150	±	25.000	5
pH (STU)		↑7.9	↓6.5	6.8	6.6	to	7.6	7	±	0.190	5
Temperature (Deg C)		6.7	↑22.1	10.7	3.2	to	18.8	13	±	2.800	5
Eh (mV)		↓105	270	274	154	to	352	230	±	39.000	5
Dissolved Oxygen (mg/L)		9.9	↓1.6	6.4	2.2	to	10.6	6.3	±	1.400	5
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.005 U	to	0.01	0.006	±	0.001	5
Calcium (mg/L)		↓3.5	13	9.9	7.6	to	21	13	±	2.300	5
Copper (mg/L)			↑**0.0055**		0.0008	to	0.003 U	0.0025	±	0.000	5
Iron (mg/L)		↑0.98	↑**1.1**	0.69	0.45	to	0.84	0.66	±	0.075	5
Magnesium (mg/L)		↓0.97	3.2	2.5	2	to	4.6	3.1	±	0.480	5
Manganese (mg/L)		0.05 U	0.13	0.12	0.05 U	to	0.15	0.07	±	0.020	5
Potassium (mg/L)		0.79	↑2	↑1.3	0.72	to	1.2	0.98	±	0.097	5
Sodium (mg/L)		↓2.5	↓2.4	↓2.9	4.4	to	7.7	5.7	±	0.620	5
Boron (mg/L)			↑0.31		0.05 U	to	0.05 U	0.05	±	0.000	5
Total Kjeldahl Nitrogen (mg/L)			↑0.7		0.28	to	0.52	0.4	±	0.041	5
Ammonia (N) (mg/L)			0.5		0.5 U	to	0.5 U	0.5	±	0.000	5
Nitrite/Nitrate - (N) (mg/L)		0.055	0.05 U	↑0.14	0.05 U	to	0.092	0.072	±	0.008	5
Total Phosphorus Mixed Forms (PO4 and		0.04	0.04 U	0.04 U	0.028	to	0.04	0.038	±	0.002	5
Total Dissolved Solids (mg/L)		↓45	93	82	78	to	119	90	±	7.400	5
Total Suspended Solids (mg/L)		8.3 U	8.3 U	8.3 U	2.5 U	to	8.3	4.5	±	1.100	5
Sulfate (mg/L)		4.6	2 U	↑11	2 U	to	6.8	4.4	±	0.910	5
Sulfide (mg/L)			0.1 U		0.1 U	to	0.1 U	0.1	±	0.000	5
Bicarbonate Alkalinity (CaCO3) (mg/L)		7.7	41	29	No historical data for Bicarbonate Alkalinity (CaCO3).						
Alkalinity (CaCO3) (mg/L)			41	30	15	to	68	35	±	9.300	5
Organic Carbon (mg/L)		↑36	↑15	↓5.3	6.7	to	14	9.4	±	1.300	5
Biochemical Oxygen Demand (mg/L)		2 U	↑3	2	2 U	to	2 U	2	±	0.000	5
Chloride (mg/L)		↓3.4	↓2.2	5.3	4.8	to	13	8.5	±	1.500	5
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.11	0.1	±	0.002	5
Turbidity (field) (NTU)		↑18.3	7.1	↑8.8	1.7	to	7.3	5.3	±	1.000	5
Methane (ug/L)			↓8.5		20 U	to	20 U	20	±	0.000	5

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=1.4 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
MFCCC	SW	MEDEP Freshwater Criterion Continuous Concentration

Data Group: 245
Printed: 4/16/2025 11:26

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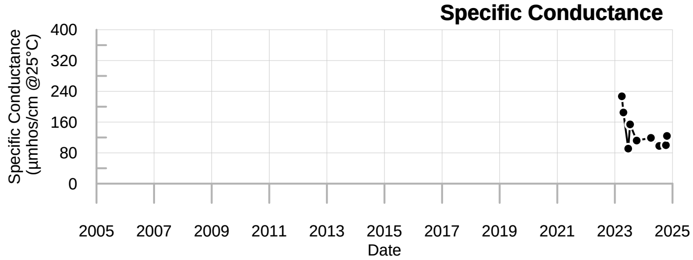
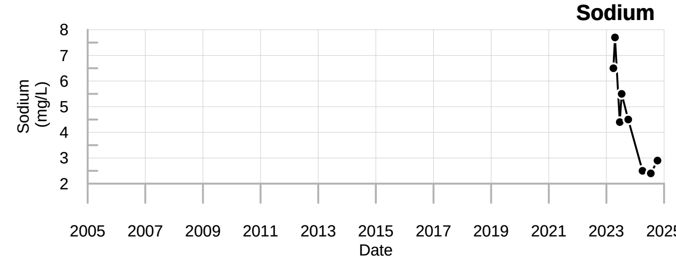
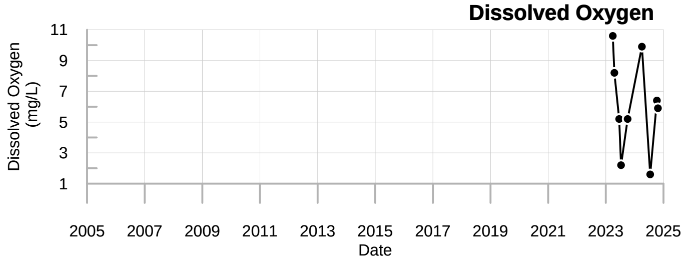
Specific Conductance



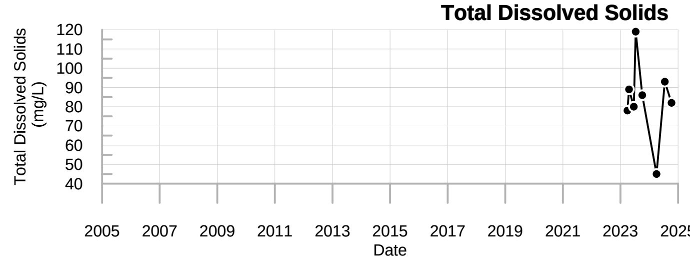
Sodium



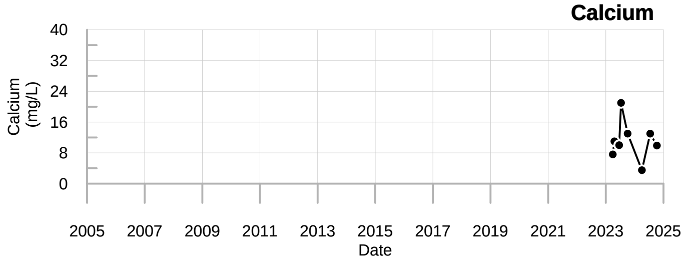
Dissolved Oxygen



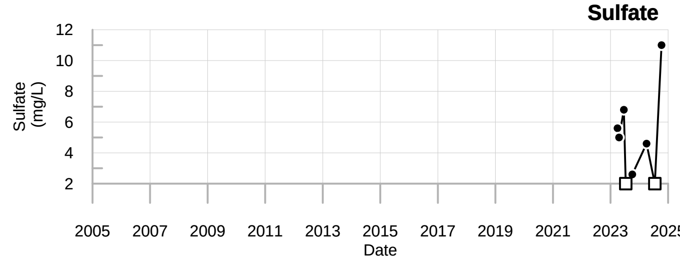
Total Dissolved Solids



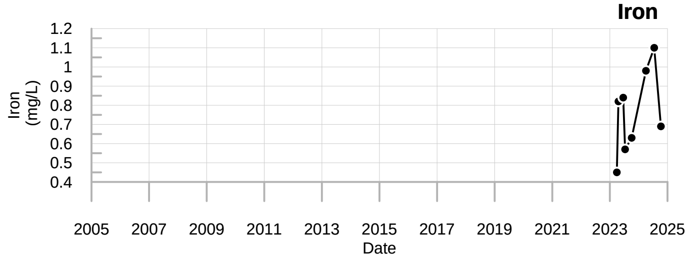
Calcium



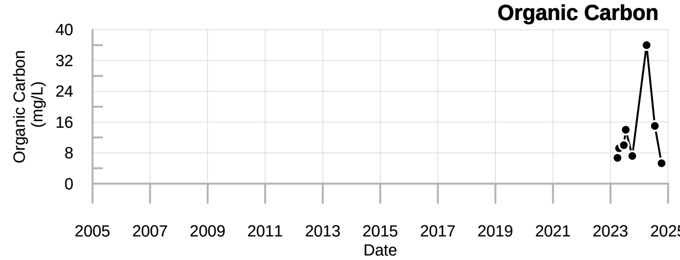
Sulfate



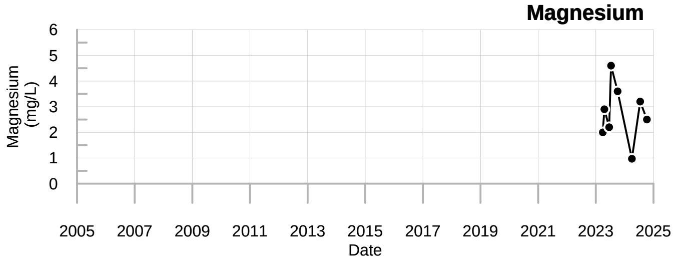
Iron



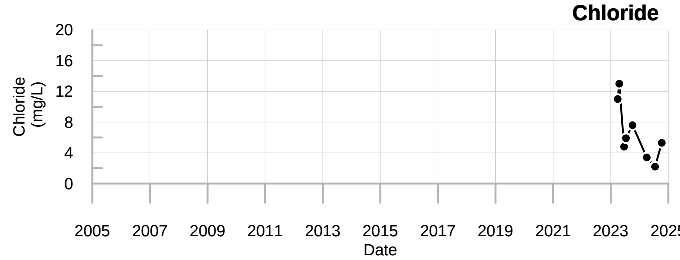
Organic Carbon



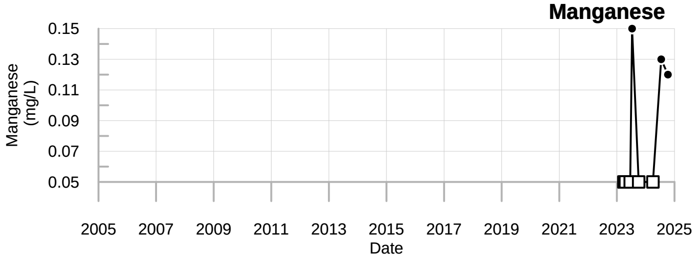
Magnesium



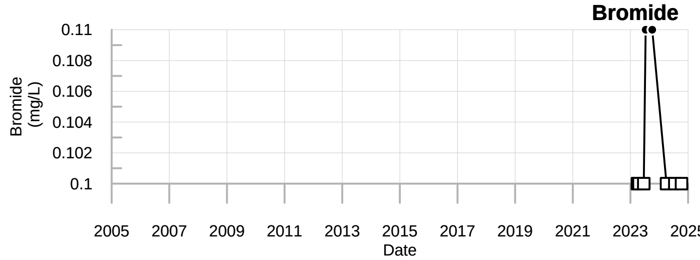
Chloride



Manganese



Bromide



LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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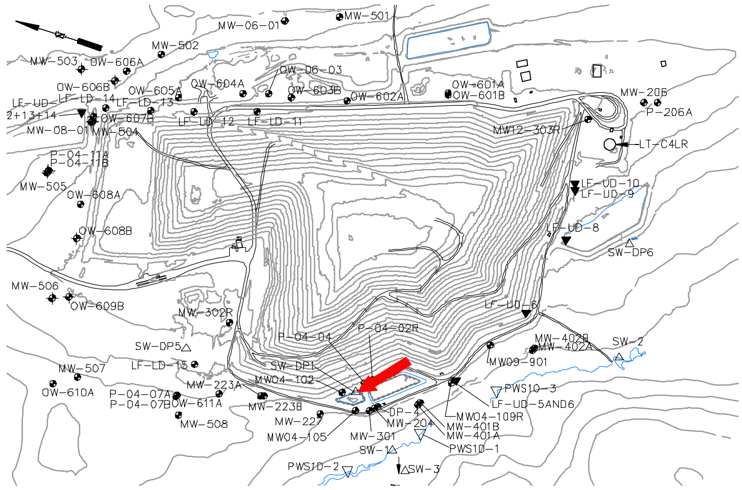
SW23-4
Juniper Ridge Landfill

Well Description

SW-DP1 is located in Detention Pond #1 which is situated to the north of the former leachate pond.



Sampled: **3 Times Annually**

Sampled Since: **05/03/04**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		96	130	105	34	to	439	140	±	10.000	60
pH (STU)		7.5	6.8	6.9	6.3	to	9.4	7.5	±	0.091	60
Temperature (Deg C)		10.6	27.9	15.2	1.9	to	31.1	17	±	0.950	60
Eh (mV)		300	367	355	200	to	486	330	±	8.900	60
Dissolved Oxygen (mg/L)		11.2	4.1	6	0.8	to	12.5	6.8	±	0.280	60
Flow Rate (cfs)		↓0.0067			0.0089	to	0.0089	0.0089	±	0.000	1
Arsenic (mg/L)		0.005 U	0.005 U	0.005 U	0.001 U	to	0.013	0.0046	±	0.000	60
Calcium (mg/L)		12	20	13	3.8	to	40	18	±	1.000	60
Iron (mg/L)		0.39	0.65	0.53	0.05	to	8.5	0.83	±	0.180	60
Magnesium (mg/L)		0.94	1.9	1.4	0.4	to	7.6	2.6	±	0.190	60
Manganese (mg/L)		0.18	0.14	0.066	0.02	to	0.88	0.12	±	0.020	60
Potassium (mg/L)		0.97	2.5	2.4	0.3 U	to	25	2.7	±	0.520	60
Sodium (mg/L)		1.7	1.5	0.96	0.8	to	27	4.1	±	0.630	60
Nitrite/Nitrate - (N) (mg/L)		0.26	0.61	0.05 U	0.05 U	to	2 U	0.2	±	0.075	27
Total Phosphorus Mixed Forms (PO4 and		0.07	0.052	0.04	0.01 U	to	0.24	0.062	±	0.007	60
Total Dissolved Solids (mg/L)		70	89	68	44	to	262	100	±	6.400	60
Total Suspended Solids (mg/L)		12	8.3 U	8.3 U	2.5 U	to	115	14	±	2.400	60
Sulfate (mg/L)		22	6.5	11	0.2	to	44	11	±	1.100	60
Bicarbonate Alkalinity (CaCO3) (mg/L)		↓6.4	54	34	7.2	to	170	46	±	3.700	60
Organic Carbon (mg/L)		3.1	5.5	3.5	2 U	to	13.3	4	±	0.340	60
Chloride (mg/L)		2.7	1.4	1.7	1 U	to	79	6.2	±	1.300	60
Bromide (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	1.1	0.15	±	0.031	33
Turbidity (field) (NTU)		0.8	0.6	0.3	0	to	28.1	3.2	±	0.630	60

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a "U" qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=1.4 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

Abbrev.	Type	Standard
MFCCC	SW	MEDEP Freshwater Criterion Continuous Concentration

Data Group: 245
Printed: 4/16/2025 11:26

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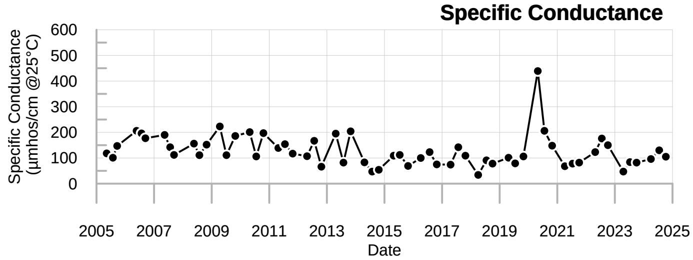
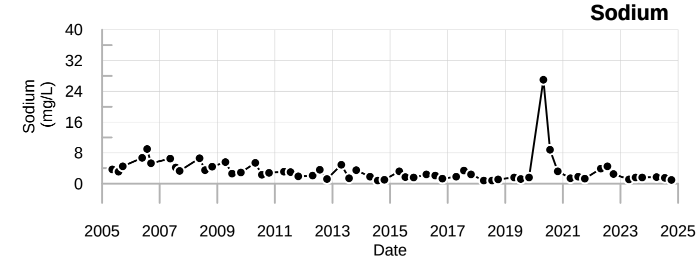
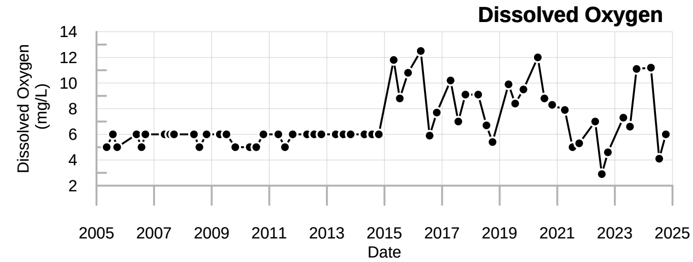
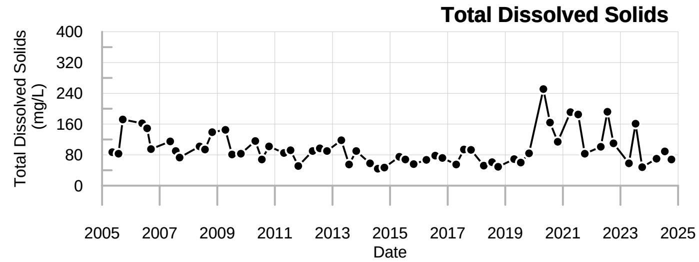
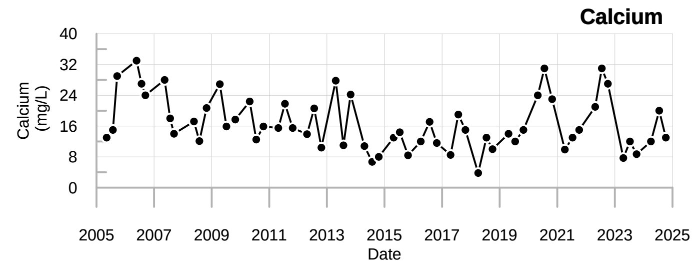
SW-DP1

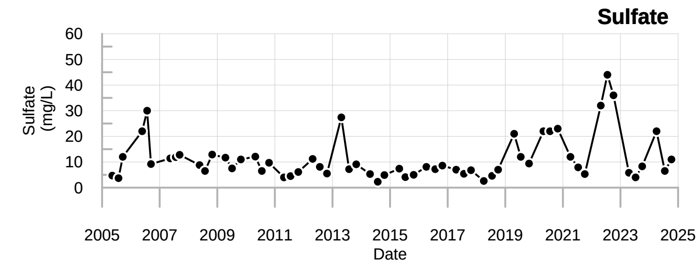


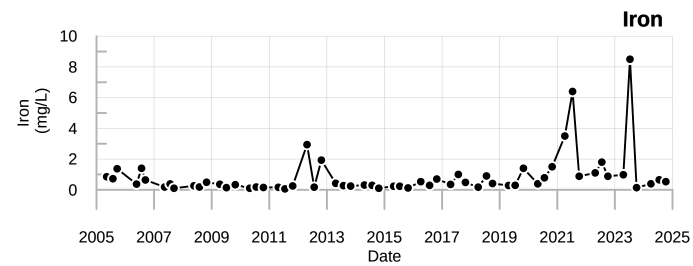


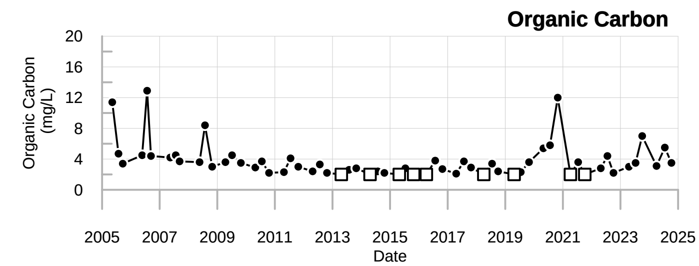


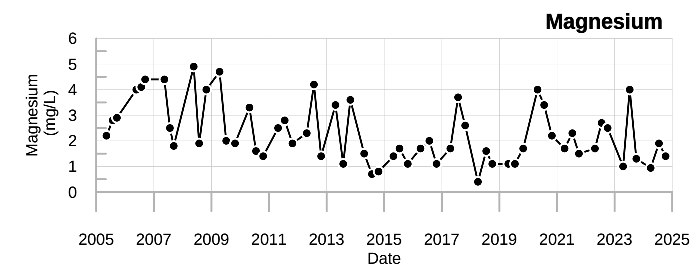


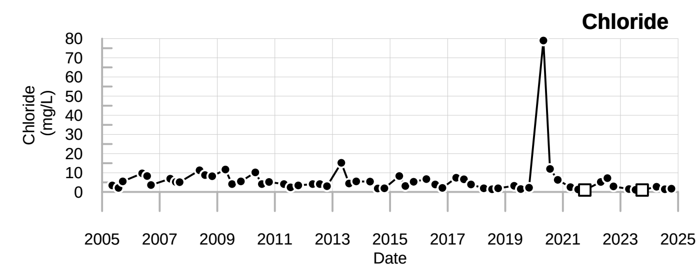


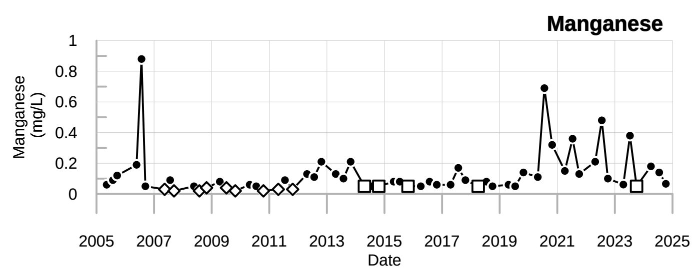


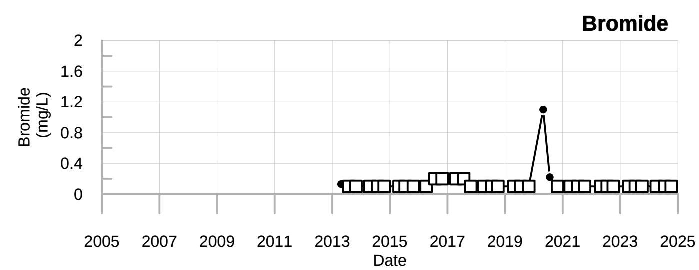












LEGEND

□ - Below reporting Limit, Associate value is the reporting limit.

◇ - Estimated Value (J-flagged).

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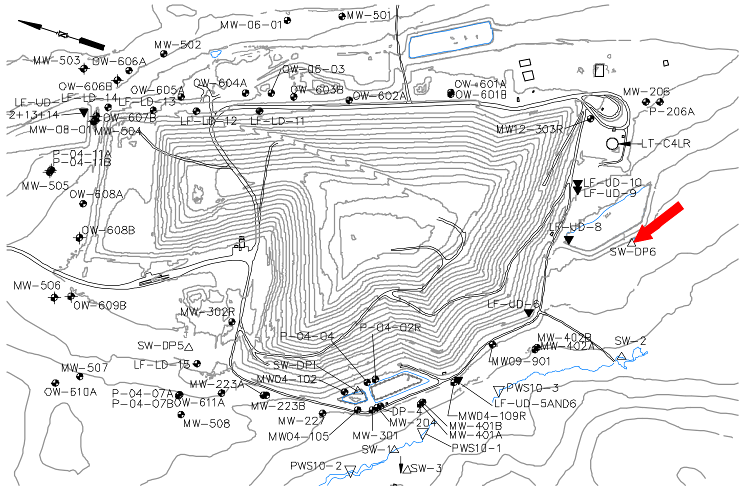
SW-DP1
Juniper Ridge Landfill

Well Description

SW-DP6 is located in Detention Pond #6, which is situated to the south of the landfill and west of the leachate storage tank.



Sampled: **3 Times Annually**

Sampled Since: **10/27/2009**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Historical (11/1/1990 - 12/31/2023) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		103	150	D	36	to	465	120	±	15.000	43
pH (STU)		7.9	6.8	D	6.1	to	8.4	7.2	±	0.093	43
Temperature (Deg C)		11.8	↑29.8	D	2.4	to	29.6	17	±	1.300	43
Eh (mV)		331	387	D	212	to	547	360	±	11.000	43
Dissolved Oxygen (mg/L)		11.4	6.6	D	3.9	to	11.7	6.8	±	0.310	43
Flow Rate (cfs)		↓0.0006			0.0022	to	0.0045	0.0034	±	0.001	2
Arsenic (mg/L)		0.005 U	0.005 U	D	0.002 U	to	0.011	0.0051	±	0.000	43
Calcium (mg/L)		11	20	D	3.8	to	74	14	±	2.200	43
Iron (mg/L)		↑**4.9**	↑**16**	D	0.1	to	3.05	0.92	±	0.110	43
Magnesium (mg/L)		2.8	5.3	D	0.7	to	8.6	1.9	±	0.240	43
Manganese (mg/L)		0.13	0.33	D	0.05 U	to	0.96	0.14	±	0.029	43
Potassium (mg/L)		2.4	↑4.7	D	0.7	to	3.4	1.6	±	0.093	43
Sodium (mg/L)		2.4	2.4	D	1.1	to	9.4	3.2	±	0.290	43
Nitrite/Nitrate - (N) (mg/L)		0.064	0.05 U	D	0.05 U	to	2 U	0.17	±	0.074	27
Total Phosphorus Mixed Forms (PO4 and		0.08	↑0.26	D	0.03	to	0.16	0.061	±	0.005	43
Total Dissolved Solids (mg/L)		124	240	D	38	to	356	97	±	10.000	43
Total Suspended Solids (mg/L)		8.3 U	↑130	D	2.5 U	to	54	12	±	2.100	43
Sulfate (mg/L)		16	30	D	2 U	to	200	23	±	5.500	43
Bicarbonate Alkalinity (CaCO3) (mg/L)		25	40	D	6	to	75	21	±	2.600	43
Organic Carbon (mg/L)		2.7	5.6	D	2.1	to	11.9	5.1	±	0.300	43
Chloride (mg/L)		2.1	1.7	D	1 U	to	22.3	6.7	±	0.840	43
Bromide (mg/L)		0.1 U	0.1 U	D	0.1 U	to	0.2 U	0.11	±	0.006	33
Turbidity (field) (NTU)		2.1	1.8	D	0	to	12	2.4	±	0.340	43

underlined/bold - values exceed a regulatory standard listed below.

Note that a value associated with a “U” qualifier is a detection or reporting limit provided by the laboratory. If a detection limit is greater than a standard, the result cannot be said to exceed the standard.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=1.4 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 4 - 2024
Q3= 7 - 2024
Q4= 10 - 2024

U = Not Detected above the laboratory reporting limit.

D = The sampling location was dry.

Abbrev.	Type	Standard
MFCCC	SW	MEDEP Freshwater Criterion Continuous Concentration

Data Group: 245
Printed: 4/16/2025 11:26

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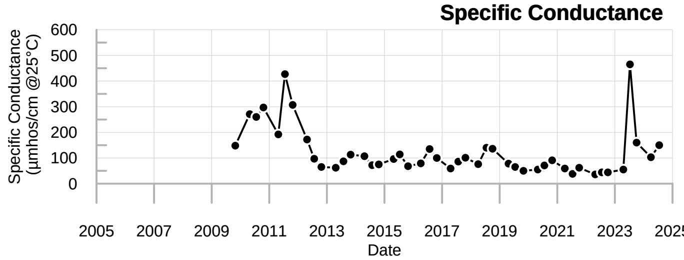

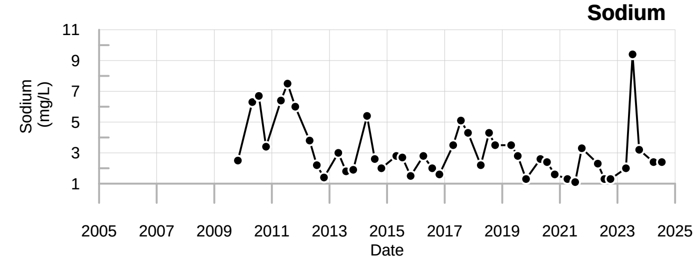

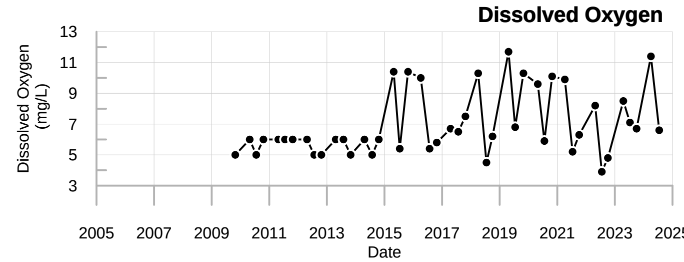

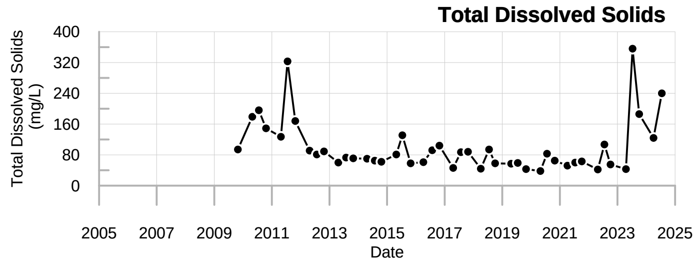

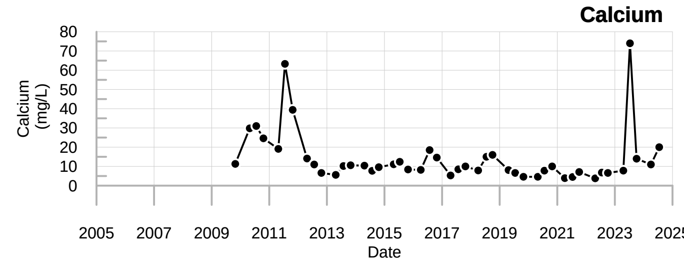

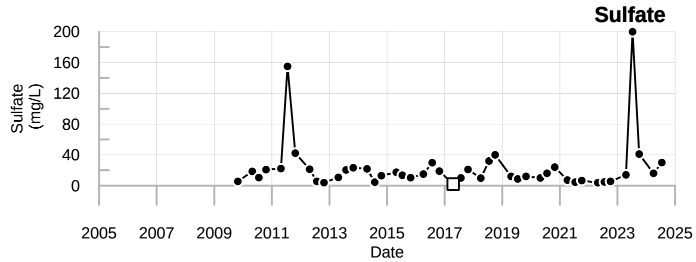

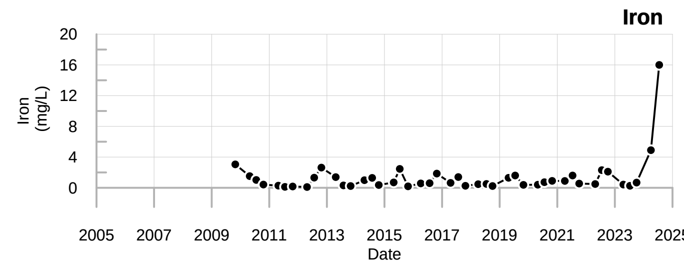

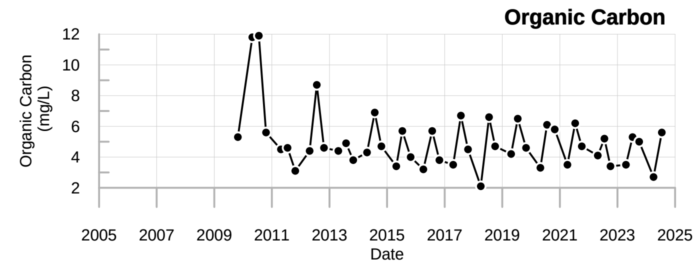

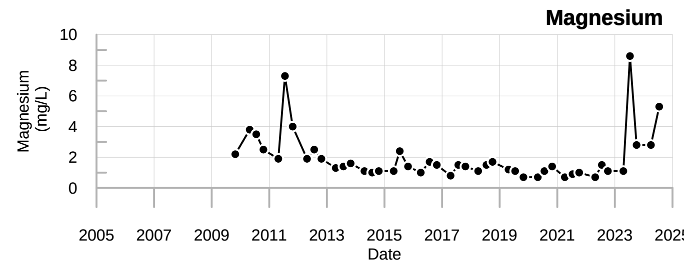

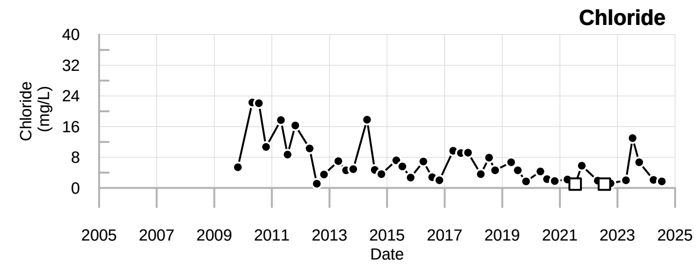

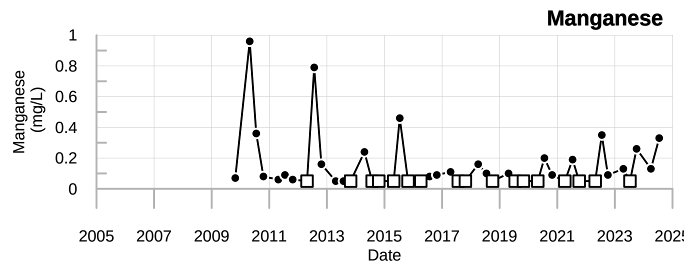

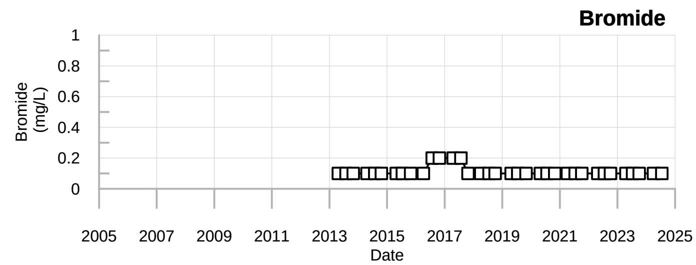

LEGEND

- □ - Below reporting Limit, Associate value is the reporting limit.
- ◇ - Estimated Value (J-flagged).

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SW-DP6
Juniper Ridge Landfill

APPENDIX F

MANN-KENDALL TREND ANALYSIS RESULTS

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Summary of Mann-Kendall Trend Analysis

Juniper Ridge Landfill

3-yr trend

Confidence Coefficient = 0.95   Level of Significance = 0.05

1/1/2022 - 12/31/2024

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LOCATION	Increasing Trends	Decreasing Trends	No Trends
DP-4			DO, Eh, pH, Spec Cond, TURB (fld)
LF-COMP	Spec Cond	DO	ALK (fld), Eh, pH, TURB (fld)
LF-LD-11	Eh, pH	ALK (fld), TURB (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, Spec Cond, SO4, S=, TDS, TSS
LF-LD-12	Spec Cond, TURB (fld)	ALK (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TDS, TSS
LF-LD-13	ALK (fld), Spec Cond	DO, pH	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, SO4, S=, TDS, TSS, TURB (fld)
LF-LD-14	Spec Cond, TURB (fld)	DO, Eh, pH	ALK (fld)
LF-LD-15	Spec Cond	DO, pH, TURB (fld)	ALK (fld), Eh
LF-UD-12+13+14			ALK (fld), DO, Eh, pH, Spec Cond, TURB (fld)
LF-UD-5and6		Mg, K, TDS, TURB (fld)	ALK (fld), As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mn, NO2/NO3 - N, OC, pH, Na, Spec Cond, SO4, P, TSS
LP-COMP	Spec Cond		ALK (fld), DO, Eh, pH, TURB (fld)
LP-UD-2	Eh, Spec Cond		ALK (fld), As, HCO3, Bromide, Ca, Cl, DO, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, SO4, TDS, P, TSS, TURB (fld)
LT-C4L & LT-C4LR		Mg, K, TSS	ALK, Al, NH3 - N, Sb, As, Ba, Be, HCO3, BOD5, Bromide, Cd, Ca, Hard(CaMg), COD, Cl, Cr, Co, Cu, CN, DO, Eh, Fe, Pb, Mn, Ni, NO3 - N, NO2/NO3 - N, OC, pH, Se, Ag, Na, Spec Cond, SO4, S=, Tl, Sn, TDS, TKN, V, Zn
MW-04-09A		ALK, Ca, Cl, Mg, K, Na, Spec Cond, SO4, TDS	NH3 - N, As, Bromide, Cu, DO, Eh, Fe, Mn, Methane, NO2/NO3 - N, OC, pH, S=, TKN, TSS, TURB (fld)
MW-04-09B	Cl	K, Na	ALK, NH3 - N, As, Bromide, Ca, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
MW04-102	Cl	TURB (fld)	As, HCO3, Bromide, Ca, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, TKN, TSS
MW04-105		TURB (fld)	DO, Eh, pH, Spec Cond
MW04-109 & MW04-109R	OC	Cl, Mg, TURB (fld)	As, HCO3, Bromide, Ca, DO, Eh, Fe, Mn, NO2/NO3 - N, pH, K, Na, Spec Cond, SO4, TDS, TKN, TSS
MW06-01	ALK, Mg, Spec Cond, SO4, TDS	NO2/NO3 - N	NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mn, Methane, OC, pH, K, Na, S=, TKN, TSS, TURB (fld)
MW-08-01	DO, Eh, Mg	Fe, K, Na, TSS, TURB (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Mn, Methane, NO2/NO3 - N, OC, pH, Spec Cond, SO4, S=, TDS, TKN
MW09-901		TDS	As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TKN, TSS, TURB (fld)
MW-204			DO, Eh, pH, Spec Cond, TURB (fld)
MW-206	DO, Eh	Mg, K	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Fe, Mn, Methane, NO2/NO3 - N, OC, pH, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
MW-223A	NO2/NO3 - N, Spec Cond	TKN, TURB (fld)	As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, OC, pH, K, Na, SO4, TDS, TSS
MW-223B	NO2/NO3 - N	Cl, TURB (fld)	As, HCO3, Bromide, Ca, DO, Eh, Fe, Mg, Mn, Methane, OC, pH, K, Na, Spec Cond, SO4, TDS, TKN, TSS

LOCATION	Increasing Trends	Decreasing Trends	No Trends
MW-227	Cl	As, HCO3, Ca, Mg, K, TDS, TURB (fld)	Bromide, DO, Eh, Fe, Mn, NO2/NO3 - N, OC, pH, Na, Spec Cond, SO4, TKN, TSS
MW-301	Cl, Fe	Mg	As, HCO3, Bromide, Ca, DO, Eh, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, TKN, TSS, TURB (fld)
MW-303 & MW12-303R		Cl, Na	As, HCO3, Bromide, Ca, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Spec Cond, SO4, TDS, TKN, TSS, TURB (fld)
MW-401A	Cl, Eh, Spec Cond		As, HCO3, Bromide, Ca, DO, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, SO4, TDS, TKN, TSS, TURB (fld)
MW-401B	Bromide, Mn, Spec Cond	Ca, K, Na	As, HCO3, Cl, DO, Eh, Fe, Mg, NO2/NO3 - N, OC, pH, SO4, TDS, TKN, TSS, TURB (fld)
MW-402A	Cl, Eh, Spec Cond	As, Ca, Mg	HCO3, Bromide, DO, Fe, Mn, NO2/NO3 - N, OC, pH, K, Na, SO4, TDS, TKN, TSS, TURB (fld)
MW-402B	DO, Eh	As, Mg	HCO3, Bromide, Ca, Cl, Fe, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, TKN, TSS, TURB (fld)
MW-501	Mn, Spec Cond		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TDS, TKN, TSS, TURB (fld)
MW-502			ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
MW-503		ALK, Ca, Mg, NO2/NO3 - N, K	NH3 - N, As, Bromide, Cl, Cu, DO, Eh, Fe, Mn, Methane, OC, pH, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
MW-504	Spec Cond, SO4	Mn, K, TSS	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Methane, NO2/NO3 - N, OC, pH, Na, S=, TDS, TKN, TURB (fld)
MW-505	DO	ALK, Cl, Fe, Mn, Na, SO4	NH3 - N, As, Bromide, Ca, Cu, Eh, Mg, Methane, NO2/NO3 - N, OC, pH, K, Spec Cond, S=, TDS, TKN, TSS, TURB (fld)
MW-506		Ca, Cl, Mn, K, Na, Spec Cond, SO4, TDS, TURB (fld)	ALK, NH3 - N, As, Bromide, Cu, DO, Eh, Fe, Mg, Methane, NO2/NO3 - N, OC, pH, S=, TKN, TSS
MW-507			ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
MW-508		Ca, Cl, Fe, Mg, NO2/NO3 - N, pH, K, Na, TURB (fld)	ALK, NH3 - N, As, Bromide, Cu, DO, Eh, Mn, Methane, OC, Spec Cond, SO4, S=, TDS, TKN, TSS
OW-06-03			DO, Eh, pH, Spec Cond, TURB (fld)
OW-601A	Eh		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-601B			ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-602A	Spec Cond		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-603B			
OW-604A	Spec Cond		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-605A	DO		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-606A	Spec Cond		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-606B			ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)

LOCATION	Increasing Trends	Decreasing Trends	No Trends
OW-607B		TURB (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS
OW-608A	DO, Eh		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-608B	Eh	pH	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld), Well Depth
OW-609B			ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-610A		pH	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-611A	Eh	TURB (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS
P-04-02 & P-04-02R		K, Na	As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, Spec Cond, SO4, TDS, TKN, TSS, TURB (fld)
P-04-04	Cl		As, HCO3, Bromide, Ca, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, TKN, TSS, TURB (fld)
P-04-07A		Ca, Cl	ALK, NH3 - N, As, Bromide, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
P-04-07B	Spec Cond		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TDS, TKN, TSS, TURB (fld)
P-04-11A	Spec Cond		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TDS, TKN, TSS, TURB (fld)
P-04-11B		DO	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
P-206A	Cl, SO4	Ca, Mg, K	ALK, NH3 - N, As, HCO3, Bromide, Cu, DO, Eh, Fe, Mn, Methane, NO2/NO3 - N, OC, pH, Na, Spec Cond, S=, TDS, TKN, TSS, TURB (fld)
PWS10-1	Eh		As, HCO3, Bromide, Ca, Cl, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
PWS10-2	Spec Cond, TSS	Cl, Na	As, HCO3, Bromide, Ca, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, SO4, TDS, P, TURB (fld)
PWS10-3	Eh, pH		As, HCO3, Bromide, Ca, Cl, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
PWS-4	K	Na, Spec Cond, P	ALK, NH3 - N, As, HCO3, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, SO4, S=, TDS, TKN, TSS, TURB (fld)
SW-1	Eh	Cl	As, HCO3, BOD5, Bromide, Ca, DO, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
SW-2			As, HCO3, BOD5, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
SW23-4	TKN, TURB (fld)	Na	ALK, NH3 - N, As, HCO3, BOD5, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Spec Cond, SO4, S=, TDS, P, TSS
SW-3		Cl, Na	As, HCO3, BOD5, Bromide, Ca, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Spec Cond, SO4, TDS, P, TSS, TURB (fld)

LOCATION	Increasing Trends	Decreasing Trends	No Trends
SW-DP1		Na	As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
SW-DP6	Ca, Mg, Spec Cond, SO4		As, HCO3, Bromide, Cl, DO, Eh, Fe, Mn, NO2/NO3 - N, OC, pH, K, Na, TDS, P, TSS, TURB (fld)

LOCATION	Increasing Trends	Decreasing Trends	No Trends

Parameter Abbreviations:

Ag	-	Silver
Al	-	Aluminum
ALK	-	Alkalinity (CaCO3)
ALK (fld)	-	Alkalinity (CaCO3) (field)
As	-	Arsenic
Ba	-	Barium
Be	-	Beryllium
BOD5	-	Biochemical Oxygen Demand
Bromide	-	Bromide
Ca	-	Calcium
Cd	-	Cadmium
Cl	-	Chloride
CN	-	Cyanide
Co	-	Cobalt
COD	-	Chemical Oxygen Demand
Cr	-	Chromium
Cu	-	Copper
DO	-	Dissolved Oxygen
Eh	-	Eh
Fe	-	Iron
Hard(CaMg)	-	Ca-mg Hardness (CaCO3)
HCO3	-	Bicarbonate Alkalinity (CaCO3)
Hg	-	Mercury
K	-	Potassium
Methane	-	Methane
Mg	-	Magnesium
Mn	-	Manganese
Na	-	Sodium
NH3 - N	-	Ammonia (N)
Ni	-	Nickel
NO2/NO3 - N	-	Nitrite/Nitrate - (N)
NO3 - N	-	Nitrate (N)
OC	-	Organic Carbon
P	-	Total Phosphorus Mixed Forms (PO4 and Organic) As Phosphorus
Pb	-	Lead
pH	-	pH
S=	-	Sulfide
Sb	-	Antimony
Se	-	Selenium
Sn	-	Tin
SO4	-	Sulfate
Spec Cond	-	Specific Conductance
TDS	-	Total Dissolved Solids
TKN	-	Total Kjeldahl Nitrogen
Tl	-	Thallium
TSS	-	Total Suspended Solids
TURB (fld)	-	Turbidity (field)
V	-	Vanadium
Well Depth	-	Well Depth
Zn	-	Zinc

Calculations are performed on ProUCL Version 5.2.
Values below the detection limit are passed to ProUCL as a value of zero.
Field duplicate samples are excluded from the analysis.
Data sets with less than 3 data points are not analyzed.

Summary of Mann-Kendall Trend Analysis

Juniper Ridge Landfill

5-yr trend

Confidence Coefficient = 0.95   Level of Significance = 0.05

1/1/2020 - 12/31/2024

LOCATION	Increasing Trends	Decreasing Trends	No Trends
DP-4			DO, Eh, pH, Spec Cond, TURB (fld), Well Depth
LF-COMP	TURB (fld)	ALK (fld), DO, Eh	pH, Spec Cond
LF-LD-11	DO, Eh, pH, K, Na, Spec Cond	ALK (fld), TURB (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, SO4, S=, TDS, TKN, TSS
LF-LD-12	DO, Fe, Mn, pH, Spec Cond, TURB (fld)	ALK (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Eh, Mg, Methane, NO2/NO3 - N, OC, K, Na, SO4, S=, TDS, TKN, TSS
LF-LD-13	ALK (fld), Spec Cond	pH	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, SO4, S=, TDS, TSS, TURB (fld)
LF-LD-14	Spec Cond, TURB (fld)	DO, Eh, pH	ALK (fld)
LF-LD-15	Spec Cond	DO, pH, TURB (fld)	ALK (fld), Eh
LF-UD-12+13+14			ALK (fld), DO, Eh, pH, Spec Cond, TURB (fld)
LF-UD-2	ALK (fld)		As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
LF-UD-4			As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
LF-UD-5and6	Cl, Spec Cond	ALK (fld), Eh, pH, SO4	As, HCO3, Bromide, Ca, DO, Fe, Mg, Mn, NO2/NO3 - N, OC, K, Na, TDS, P, TSS, TURB (fld)
LF-UD-6			As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
LP-COMP	Spec Cond, TURB (fld)	ALK (fld), Eh	DO, pH
LP-UD-2	Fe, Spec Cond, TURB (fld)	Cl, DO, pH, SO4	ALK (fld), As, HCO3, Bromide, Ca, Eh, Mg, Mn, NO2/NO3 - N, OC, K, Na, TDS, P, TSS
LT-C4L & LT-C4LR	Cr	Cl, DO, Mg, TSS	ALK, Al, NH3 - N, Sb, As, Ba, Be, HCO3, BOD5, Bromide, Cd, Ca, Hard(CaMg), COD, Co, Cu, CN, Eh, Fe, Pb, Mn, Hg, Ni, NO3 - N, NO2/NO3 - N, OC, pH, K, Se, Ag, Na, Spec Cond, SO4, S=, Tl, Sn, TDS, TKN, TURB (fld), V, Zn
MW-04-09A	Eh	As, Cl, Fe, Mg, OC, pH, K, Spec Cond, SO4, TDS, TSS	ALK, NH3 - N, Bromide, Ca, Cu, DO, Mn, Methane, NO2/NO3 - N, Na, S=, TKN, TURB (fld), Well Depth
MW-04-09B	Cl	ALK, Fe, pH, K, Na, SO4, TDS	NH3 - N, As, Bromide, Ca, Cu, DO, Eh, Mg, Mn, Methane, NO2/NO3 - N, OC, Spec Cond, S=, TKN, TSS, TURB (fld), Well Depth
MW04-102	Cl	SO4, TURB (fld)	As, HCO3, Bromide, Ca, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, TDS, TKN, TSS
MW04-105			DO, Eh, pH, Spec Cond, TURB (fld), Well Depth
MW04-109 & MW04-109R	Fe, Mn, OC	HCO3, Bromide, Ca, Mg, Spec Cond, SO4, TDS, TURB (fld)	As, Cl, DO, Eh, NO2/NO3 - N, pH, K, Na, TKN, TSS
MW06-01	ALK, HCO3, Bromide, Ca, Cl, Mg, Methane, Na, Spec Cond, TDS	DO	NH3 - N, As, Cu, Eh, Fe, Mn, NO2/NO3 - N, OC, pH, K, SO4, S=, TKN, TSS, TURB (fld)
MW-08-01	Ca, Mg, K	Na, TDS	ALK, NH3 - N, As, BOD5, Bromide, Cl, Cu, DO, Eh, Fe, Mn, Methane, NO2/NO3 - N, OC, pH, Spec Cond, SO4, S=, TKN, P, TSS, TURB (fld)
MW09-901	OC	pH, K, Na	As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, Spec Cond, SO4, TDS, TKN, TSS, TURB (fld)
MW-204			DO, Eh, pH, Spec Cond, TURB (fld), Well Depth
MW-206		As, NO2/NO3 - N, TURB (fld)	ALK, NH3 - N, HCO3, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS

LOCATION	Increasing Trends	Decreasing Trends	No Trends
MW-223A	HCO3, NO2/NO3 - N, Spec Cond, TDS	DO, SO4	As, Bromide, Ca, Cl, Eh, Fe, Mg, Mn, OC, pH, K, Na, TKN, TSS, TURB (fld)
MW-223B	HCO3	Cl	As, Bromide, Ca, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, TKN, TSS, TURB (fld)
MW-227		As, HCO3, SO4, TURB (fld)	Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, TDS, TKN, TSS
MW-301	Cl	Eh, TURB (fld)	As, HCO3, Bromide, Ca, DO, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, TKN, TSS
MW-302 & MW-302R	HCO3, Ca, NO2/NO3 - N, K	DO, Eh	As, Bromide, Cl, Fe, Mg, Mn, OC, pH, Na, Spec Cond, SO4, TDS, TKN, TSS, TURB (fld)
MW-303 & MW12-303R	Fe, Mn, TSS, TURB (fld)	Ca, Cl, K, Na, Spec Cond, TDS	As, HCO3, Bromide, DO, Eh, Mg, NO2/NO3 - N, OC, pH, SO4, TKN
MW-401A	Ca, Cl, Eh, Mg, Spec Cond, TDS	As, SO4	HCO3, Bromide, DO, Fe, Mn, NO2/NO3 - N, OC, pH, K, Na, TKN, TSS, TURB (fld)
MW-401B	Eh, Spec Cond	As, Fe, pH, SO4, TURB (fld)	HCO3, Bromide, Ca, Cl, DO, Mg, Mn, NO2/NO3 - N, OC, K, Na, TDS, TKN, TSS
MW-402A	Cl, Spec Cond	As, pH, SO4	HCO3, Bromide, Ca, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, K, Na, TDS, TKN, TSS, TURB (fld)
MW-402B	DO, Eh	As, TURB (fld)	HCO3, Bromide, Ca, Cl, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, TKN, TSS
MW-501	ALK, Mn, SO4	Cl	NH3 - N, As, HCO3, Bromide, Ca, Cu, DO, Eh, Fe, Mg, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, S=, TDS, TKN, TSS, TURB (fld)
MW-502	Eh	pH, TURB (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS
MW-503	Eh, Spec Cond	NO2/NO3 - N, TURB (fld)	ALK, NH3 - N, As, BOD5, Bromide, Ca, Cl, Cu, DO, Fe, Mg, Mn, Methane, OC, pH, K, Na, SO4, S=, TDS, TKN, P, TSS
MW-504	Eh	As, pH, K, Na	ALK, NH3 - N, BOD5, Bromide, Ca, Cl, Cu, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, Spec Cond, SO4, S=, TDS, TKN, P, TSS, TURB (fld)
MW-505	Eh	ALK, Cl, Mn, Na, Spec Cond, SO4, TDS, TURB (fld)	NH3 - N, As, BOD5, Bromide, Ca, Cu, DO, Fe, Mg, Methane, NO2/NO3 - N, OC, pH, K, S=, TKN, P, TSS
MW-506		Ca, Cl, Mg, Mn, OC, K, Na, Spec Cond, SO4, TDS	ALK, NH3 - N, As, BOD5, Bromide, Cu, DO, Eh, Fe, Methane, NO2/NO3 - N, pH, S=, TKN, P, TSS, TURB (fld), Well Depth
MW-507			ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
MW-508		Ca, Cl, Fe, Mg, NO2/NO3 - N, pH, K, Na, TURB (fld)	ALK, NH3 - N, As, Bromide, Cu, DO, Eh, Mn, Methane, OC, Spec Cond, SO4, S=, TDS, TKN, TSS
OW-06-03			DO, Eh, pH, Spec Cond, TURB (fld)
OW-601A		TURB (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS
OW-601B		TDS, TURB (fld)	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TKN, TSS
OW-602A	Ca, Mg, Na, Spec Cond, SO4, TDS	DO, pH	ALK, NH3 - N, As, Bromide, Cl, Cu, Eh, Fe, Mn, Methane, NO2/NO3 - N, OC, K, S=, TKN, TSS, TURB (fld)
OW-604A	Ca, Cl, Mg, Spec Cond, TDS	DO, TURB (fld)	ALK, NH3 - N, As, Bromide, Cu, Eh, Fe, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TKN, TSS
OW-605A	DO, Fe	NO2/NO3 - N	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Eh, Mg, Mn, Methane, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-606A	Bromide, Ca, Spec Cond, TDS	Cl, SO4	ALK, NH3 - N, As, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, S=, TKN, TSS, TURB (fld)

LOCATION	Increasing Trends	Decreasing Trends	No Trends
OW-606B	DO, Eh, pH	SO4, TURB (fld)	ALK, NH3 - N, As, BOD5, Bromide, Ca, Cl, Cu, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, Spec Cond, S=, TDS, TKN, P, TSS
OW-607B	Mg	As	ALK, NH3 - N, BOD5, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, P, TSS, TURB (fld)
OW-608A	DO, Eh, pH		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-608B		Spec Cond, SO4, TDS	ALK, NH3 - N, As, BOD5, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, S=, TKN, P, TSS, TURB (fld), Well Depth
OW-609B		Mn, TDS	ALK, NH3 - N, As, BOD5, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TKN, P, TSS, TURB (fld), Well Depth
OW-610A		pH	ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
OW-611A	ALK, Eh, Fe, NO2/NO3 - N	TURB (fld)	NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Mg, Mn, Methane, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS
P-04-02 & P-04-02R	Fe, NO2/NO3 - N	As, HCO3, Cl, DO, Mg, pH, K, Na, Spec Cond, SO4, TDS	Bromide, Ca, Eh, Mn, OC, TKN, TSS, TURB (fld)
P-04-04	Ca, Cl, NO2/NO3 - N, Spec Cond, TDS	As, DO	HCO3, Bromide, Eh, Fe, Mg, Mn, OC, pH, K, Na, SO4, TKN, TSS, TURB (fld)
P-04-07A		Ca, Cl	ALK, NH3 - N, As, Bromide, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, S=, TDS, TKN, TSS, TURB (fld)
P-04-07B	Spec Cond		ALK, NH3 - N, As, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TDS, TKN, TSS, TURB (fld)
P-04-11A		As, SO4, TDS	ALK, NH3 - N, BOD5, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, S=, TKN, P, TSS, TURB (fld)
P-04-11B	Ca, Mg, Spec Cond	TURB (fld)	ALK, NH3 - N, As, BOD5, Bromide, Cl, Cu, DO, Eh, Fe, Mn, Methane, NO2/NO3 - N, OC, pH, K, Na, SO4, S=, TDS, TKN, P, TSS
P-206A	Cl, Eh, NO2/NO3 - N, SO4	Mn, K, Na, TSS	ALK, NH3 - N, As, HCO3, Bromide, Ca, Cu, DO, Fe, Mg, Methane, OC, pH, Spec Cond, S=, TDS, TKN, TURB (fld)
PWS10-1	DO, Eh	Cl, OC, Na	As, HCO3, Bromide, Ca, Fe, Mg, Mn, Methane, NO2/NO3 - N, pH, K, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
PWS10-2	Eh	Cl, Na, SO4	As, HCO3, Bromide, Ca, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Spec Cond, TDS, P, TSS, TURB (fld)
PWS10-3	Cl, Eh, pH, K		As, HCO3, Bromide, Ca, DO, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
PWS-4	K	Na, Spec Cond, P	ALK, NH3 - N, As, HCO3, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, SO4, S=, TDS, TKN, TSS, TURB (fld)
SW-1	Eh	Cl	As, HCO3, BOD5, Bromide, Ca, DO, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
SW-2		pH	As, HCO3, BOD5, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
SW23-4	TKN, TURB (fld)	Na	ALK, NH3 - N, As, HCO3, BOD5, Bromide, Ca, Cl, Cu, DO, Eh, Fe, Mg, Mn, Methane, NO2/NO3 - N, OC, pH, K, Spec Cond, SO4, S=, TDS, P, TSS
SW-3		Cl, TURB (fld)	As, HCO3, BOD5, Bromide, Ca, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, P, TSS

LOCATION	Increasing Trends	Decreasing Trends	No Trends
SW-DP1		HCO3, Cl, Mg, K, Na, TDS, TURB (fld)	As, Bromide, Ca, DO, Eh, Fe, Mn, NO2/NO3 - N, OC, pH, Spec Cond, SO4, P, TSS
SW-DP5			As, HCO3, Bromide, Ca, Cl, DO, Eh, Fe, Mg, Mn, NO2/NO3 - N, OC, pH, K, Na, Spec Cond, SO4, TDS, P, TSS, TURB (fld)
SW-DP6	HCO3, Ca, Mg, K, TDS		As, Bromide, Cl, DO, Eh, Fe, Mn, NO2/NO3 - N, OC, pH, Na, Spec Cond, SO4, P, TSS, TURB (fld)

LOCATION	Increasing Trends	Decreasing Trends	No Trends

Parameter Abbreviations:

Ag	-	Silver
Al	-	Aluminum
ALK	-	Alkalinity (CaCO3)
ALK (fld)	-	Alkalinity (CaCO3) (field)
As	-	Arsenic
Ba	-	Barium
Be	-	Beryllium
BOD5	-	Biochemical Oxygen Demand
Bromide	-	Bromide
Ca	-	Calcium
Cd	-	Cadmium
Cl	-	Chloride
CN	-	Cyanide
Co	-	Cobalt
COD	-	Chemical Oxygen Demand
Cr	-	Chromium
Cu	-	Copper
DO	-	Dissolved Oxygen
Eh	-	Eh
Fe	-	Iron
Hard(CaMg)	-	Ca-mg Hardness (CaCO3)
HCO3	-	Bicarbonate Alkalinity (CaCO3)
Hg	-	Mercury
K	-	Potassium
Methane	-	Methane
Mg	-	Magnesium
Mn	-	Manganese
Na	-	Sodium
NH3 - N	-	Ammonia (N)
Ni	-	Nickel
NO2/NO3 - N	-	Nitrite/Nitrate - (N)
NO3 - N	-	Nitrate (N)
OC	-	Organic Carbon
P	-	Total Phosphorus Mixed Forms (PO4 and Organic) As Phosphorus
Pb	-	Lead
pH	-	pH
S=	-	Sulfide
Sb	-	Antimony
Se	-	Selenium
Sn	-	Tin
SO4	-	Sulfate
Spec Cond	-	Specific Conductance
TDS	-	Total Dissolved Solids
TKN	-	Total Kjeldahl Nitrogen
Tl	-	Thallium
TSS	-	Total Suspended Solids
TURB (fld)	-	Turbidity (field)
V	-	Vanadium
Well Depth	-	Well Depth
Zn	-	Zinc

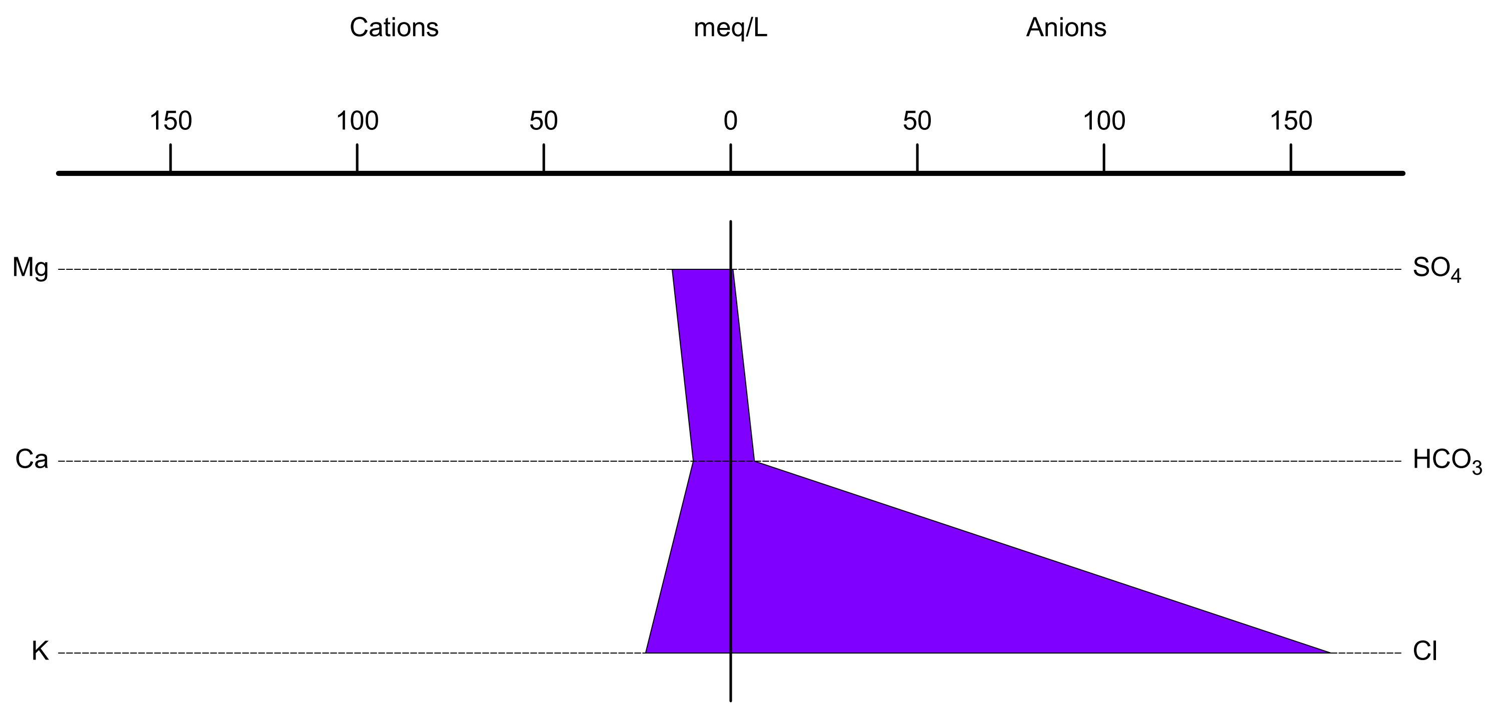
Calculations are performed on ProUCL Version 5.2.
Values below the detection limit are passed to ProUCL as a value of zero.
Field duplicate samples are excluded from the analysis.
Data sets with less than 3 data points are not analyzed.

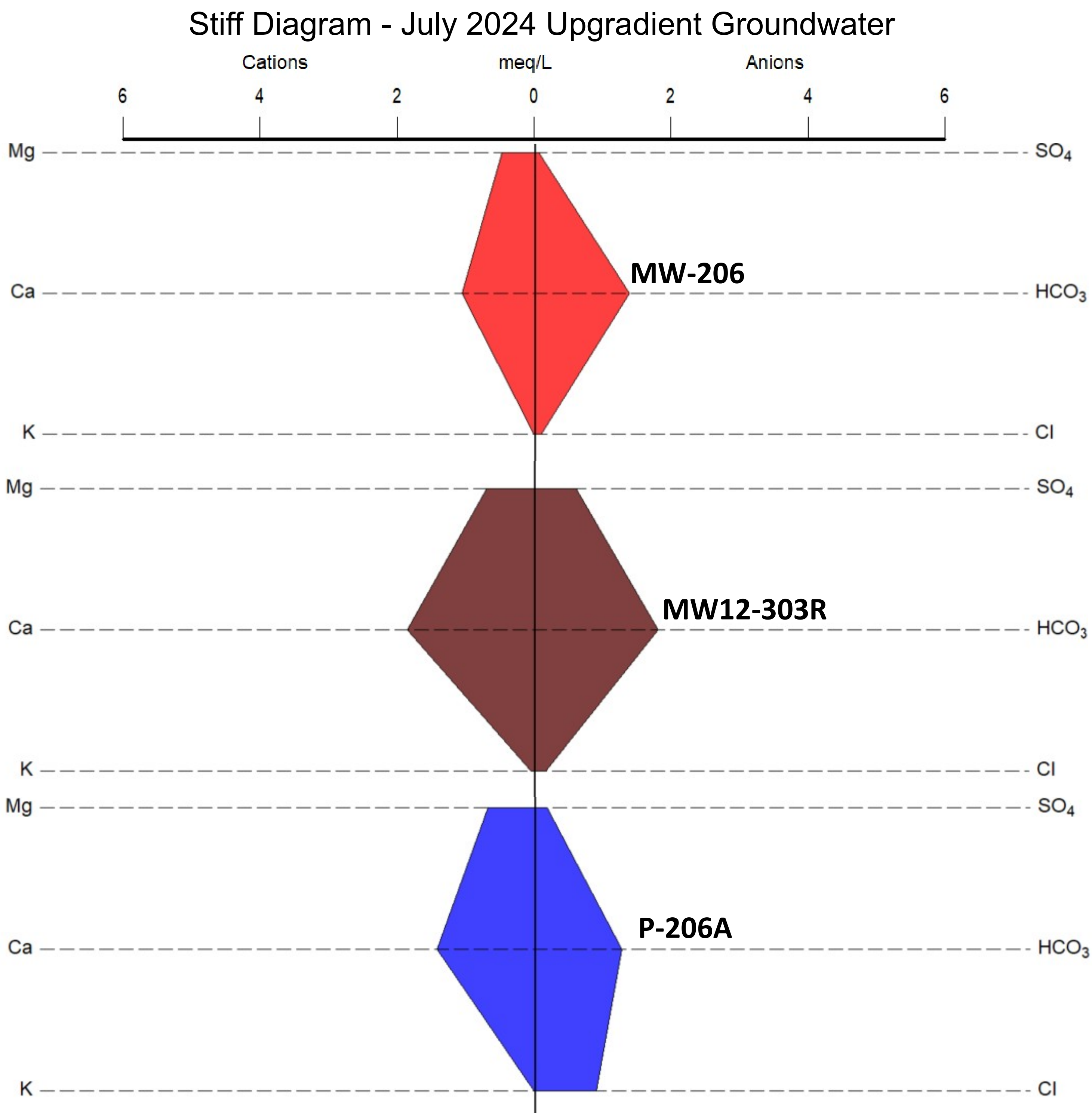
APPENDIX G

STIFF AND PIPER DIAGRAMS

SME
SEVEE & MAHER
ENGINEERS

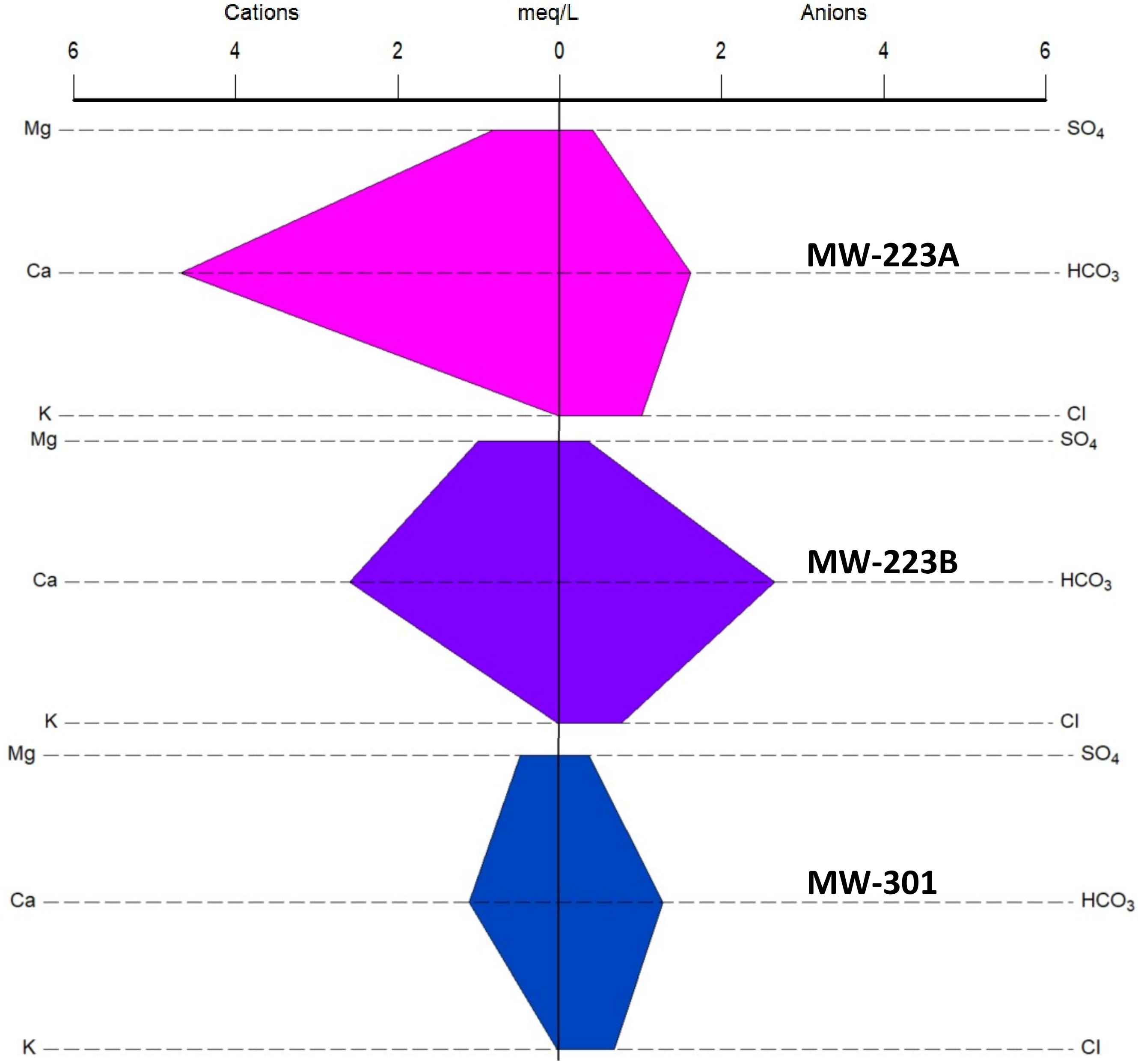
Stiff Diagram - October 2024 Leachate

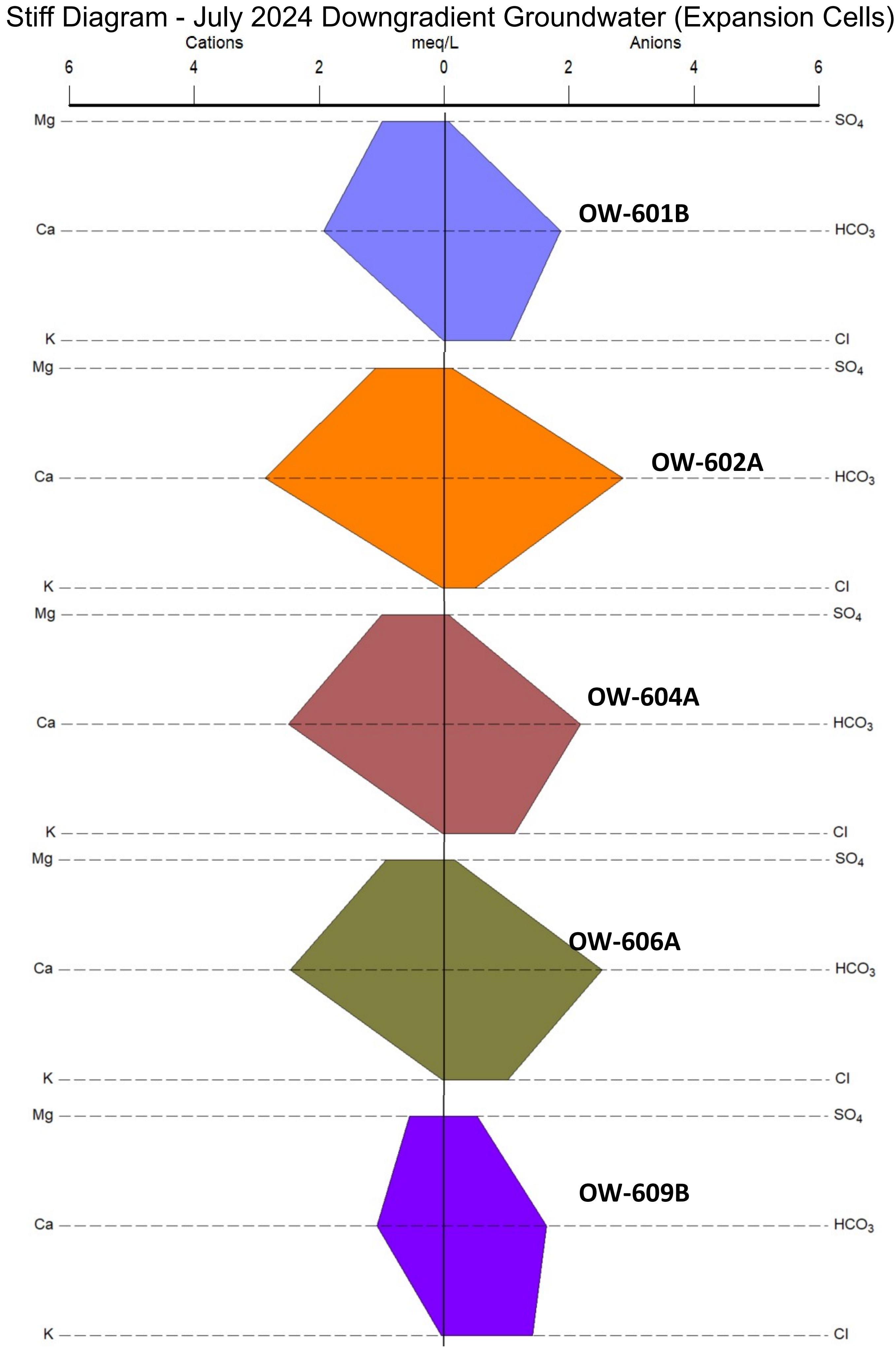




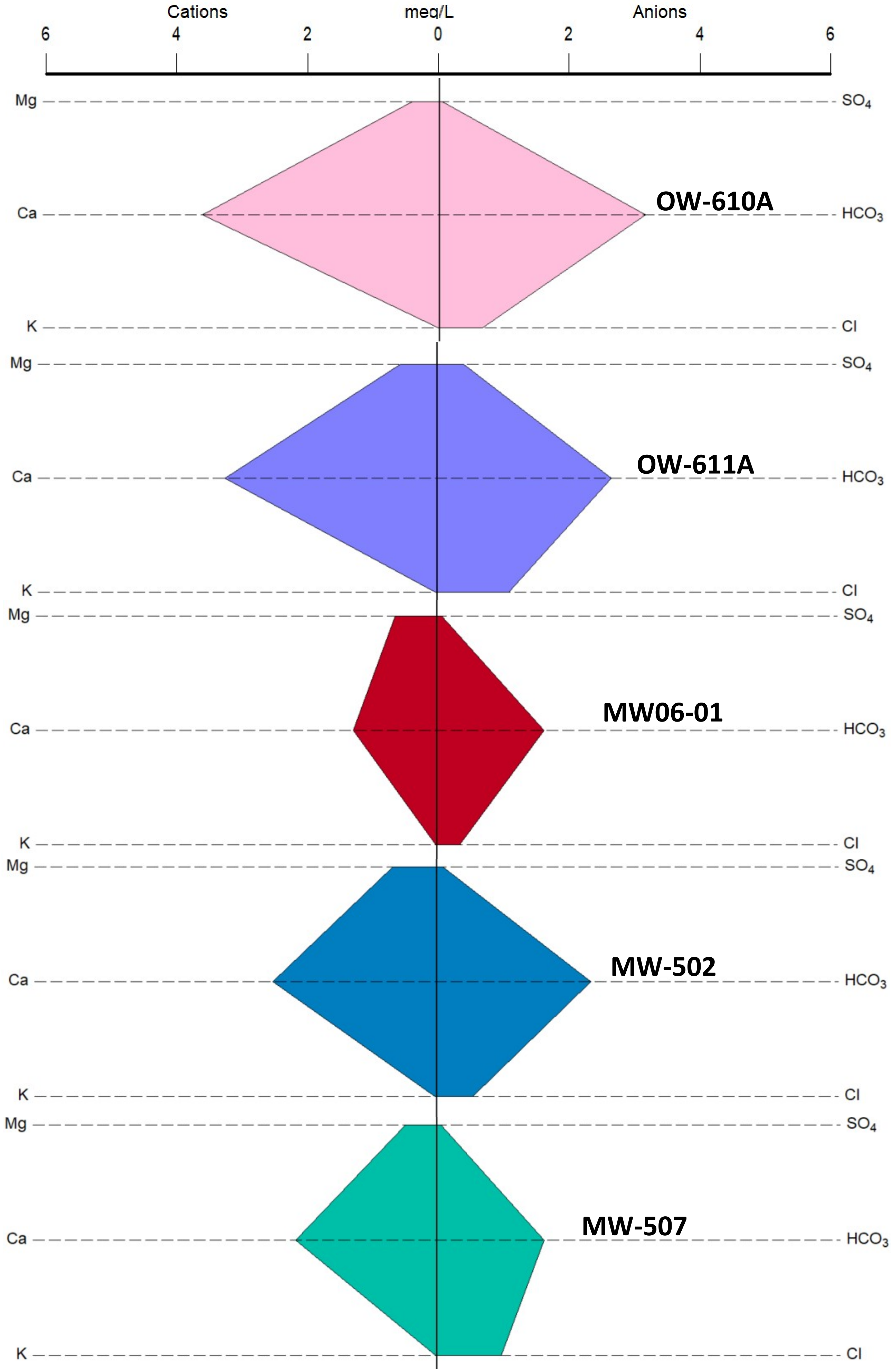
Stiff Diagram - July 2024 Upgradient Groundwater
Cations
meq/L
Anions
6
4
2
0
2
4
6
Mg
SO4
Ca
HCO3
K
Cl
MW-206
MW12-303R
P-206A

Stiff Diagram - October 2024 Downgradient Groundwater (Cells 1-10)

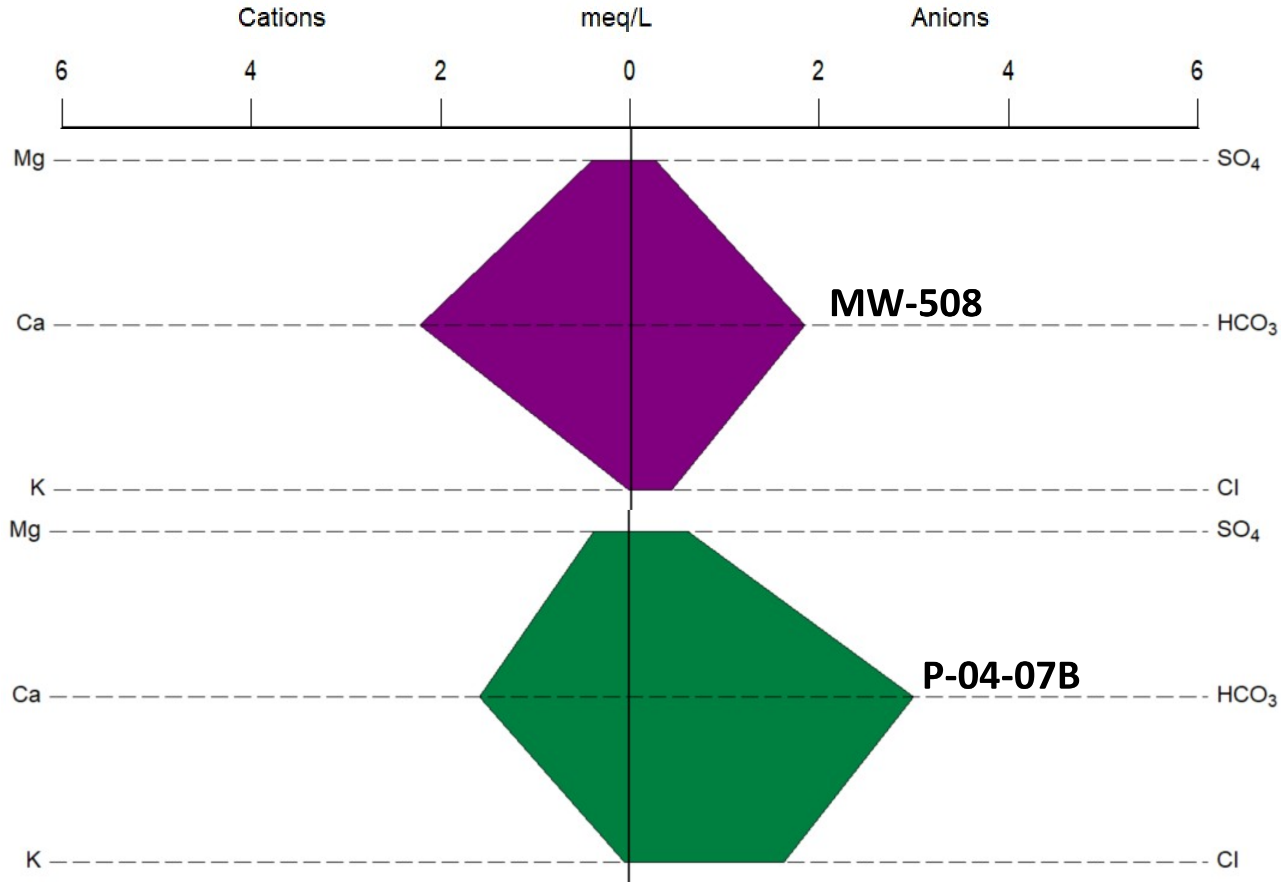



Stiff Diagram - July 2024 Downgradient Groundwater (Expansion Cells)
Cations
meq/L
Anions
6
4
2
0
2
4
6
Mg
Ca
K
SO4
HCO3
Cl
OW-601B
OW-602A
OW-604A
OW-606A
OW-609B

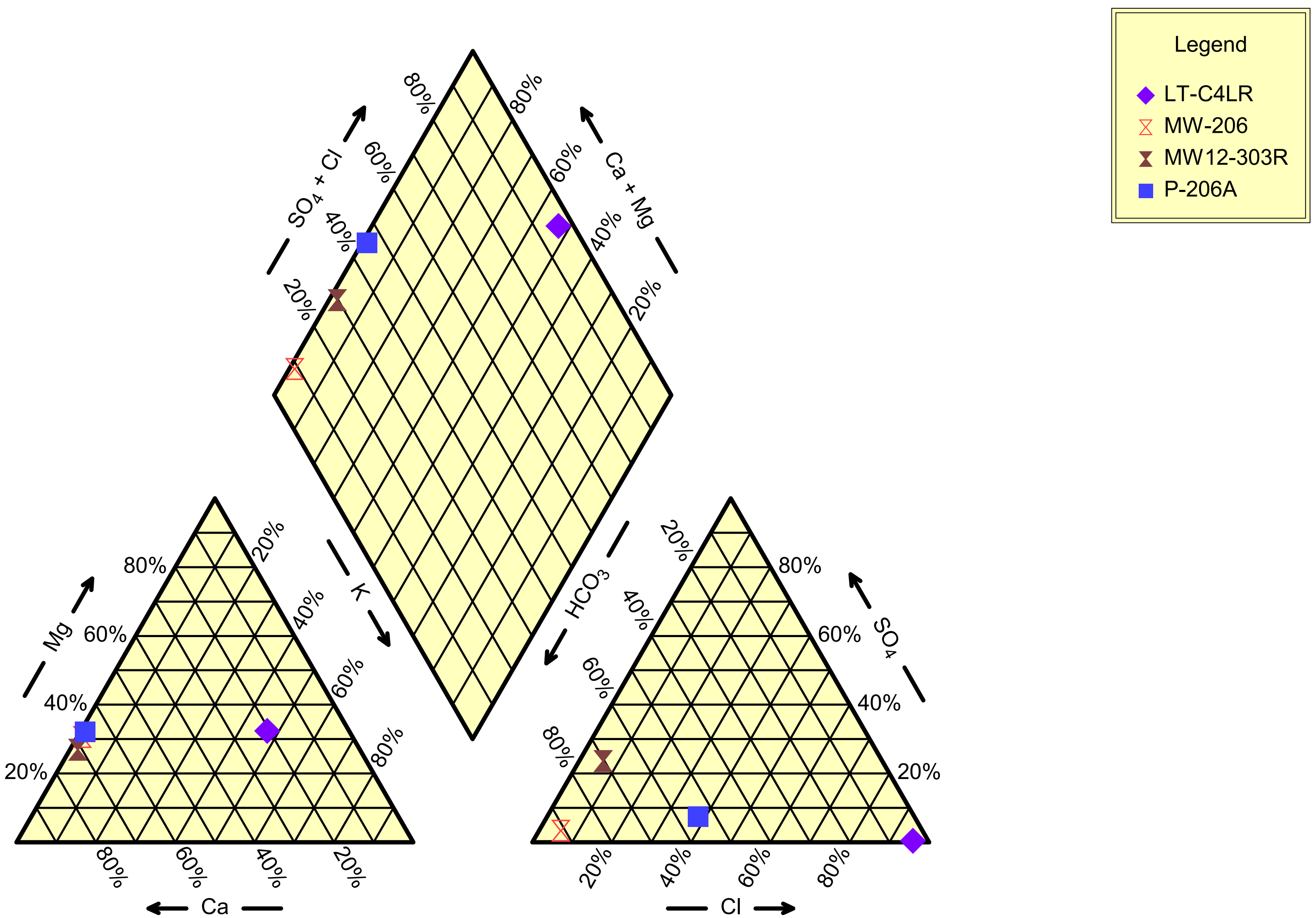
Stiff Diagram - July 2024 Downgradient Groundwater (Expansion Cells)



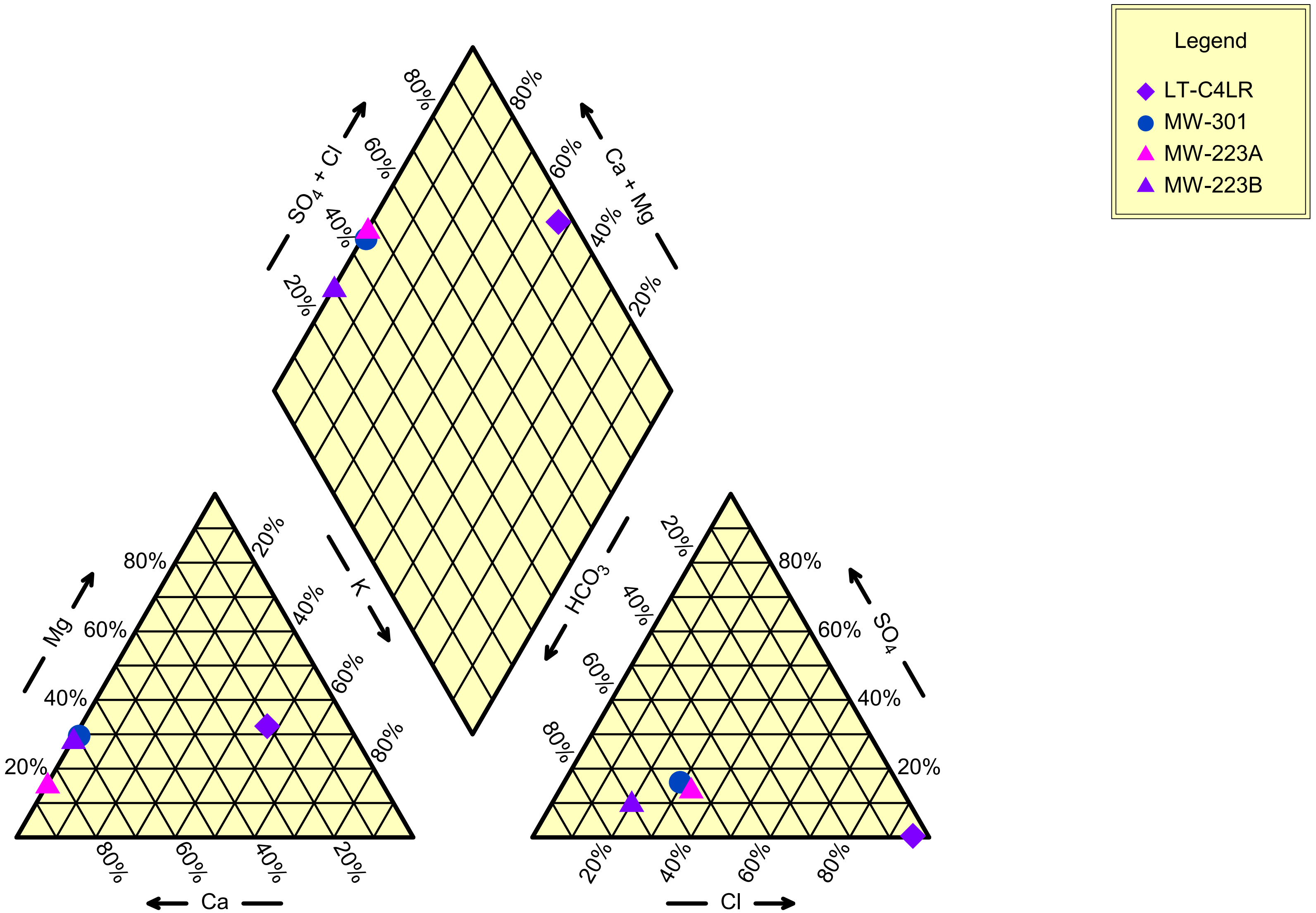
Stiff Diagram - July 2024 Downgradient Groundwater (Expansion Cells)



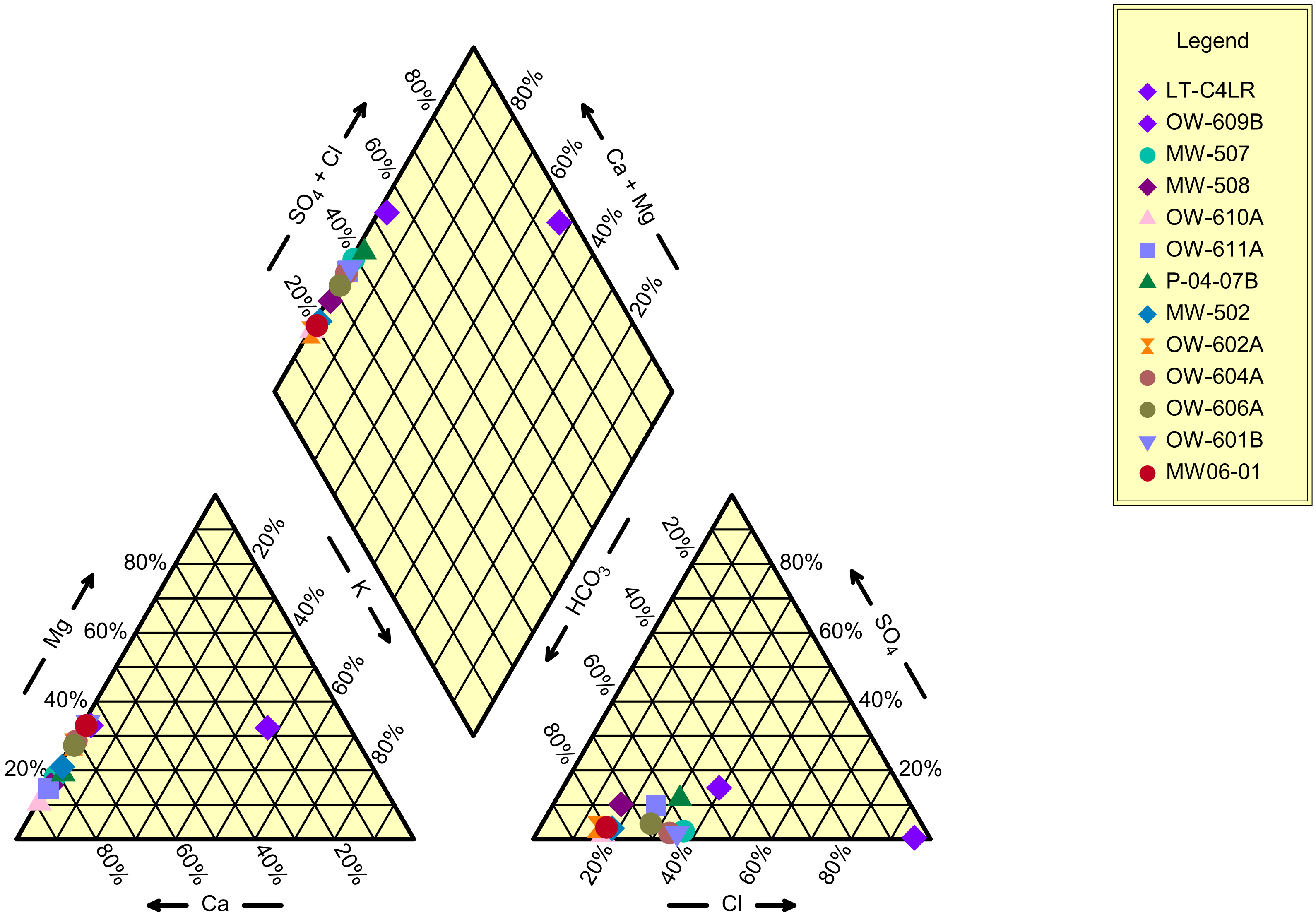
Piper Diagram - July 2024 Upgradient Groundwater



Piper Diagram - October 2024 Downgradient Groundwater (Cells 1-10)



Piper Diagram - July 2024 Downgradient Groundwater (Expansion Cells)



APPENDIX H

2024 AND HISTORICAL GAS MEASUREMENT DATA

DATA SUMMARY TABLE

Methane - H2S - Oxygen - CO2 - Report

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
DP-4						
4/29/2015	0.1 US	0.1 US	0	0	21.5	0
7/14/2015	0.1 US	0.1 US	0	0	20.7	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/6/2016	0.1 US	0.1 US	0	0	19.5	0
7/25/2016	0.1 US	0.1 US	0	0	20.4	0
10/25/2016	0.1 US	0.1 US	0	0	20.7	0
4/18/2017	0.1 US	0.1 US	0	0	20.9	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/23/2017	0.1 US	0.1 US	0	0	20.7	0
4/3/2018	0.1 US	0.1 US	0	0	21	0
7/16/2018	0.1 US	0.1 US	0	0	20.5	0
10/1/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0
LT-C4L & LT-C4LR						
4/29/2015	0.1 US	0.1 US	0	0	22.4	0
7/14/2015	0.1 US	0.1 US	0	0	20.6	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/6/2016	0.1 US	0.1 US	0	0	19.6	0
7/26/2016	0.1 US	0.1 US	0	0	20.3	0
10/25/2016	0.1 US	0.1 US	0	0	20.6	0
4/18/2017	0.1 US	0.1 US	0	0	20.9	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.7	0
4/3/2018	0.1 US	0.1 US	0	0	20.9	0
7/16/2018	0.1 US	0.1 US	0	0	20.1	0
10/1/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0

(LT-C4L & LT-C4LR) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.9	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0
LF-LD-11						
7/19/2022	0.1 US	0.1 US	0	0	19.1	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0
LF-LD-12						
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0
LF-LD-13						
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0
LF-LD-14						
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0

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(LF-LD-14)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

LF-LD-15

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/16/2024	0.1 US	0.1 US	0	0	20.6	0

LF-UD

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/28/2015	0.1 US	0.1 US	0	0	24.8	0
7/14/2015	0.1 US	0.1 US	0	0	20.1	0
10/27/2015	0.1 US	0.1 US	0	0	22	0
4/5/2016	0.1 US	0.1 US	0	0	20.3	0
7/26/2016	0.1 US	0.1 US	0	0	20.7	0
10/25/2016	0.1 US	0.1 US	0	0	20.6	0
4/18/2017	0.1 US	0.1 US	0	0	20.9	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/3/2018	0.1 US	0.1 US	0	0	21	0
7/16/2018	0.1 US	0.1 US	0	0	17.2	0
10/2/2018	0.1 US	0.1 US	0	0	20.9	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.8	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/19/2022	0.1 US	0.1 US	0	0	17.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

LF-UD-5and6

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

LF-UD-6

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0

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(LF-UD-6)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

LF-UD-8

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

LF-UD-9

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

LF-UD-10

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

LF-UD-12+13+14

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

LP-LD

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/28/2015	0.1 US	0.1 US	0	0	22.1	0
7/14/2015	0.1 US	0.1 US	0	0	20.6	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/5/2016	0.1 US	0.1 US	0	0	20.3	0
7/26/2016	0.1 US	0.1 US	0	0	18.9	0
10/25/2016	0.1 US	0.1 US	0	0	20.6	0
4/18/2017	0.1 US	0.1 US	0	0	20.9	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0

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(LP-LD)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
10/24/2017	0.1 US	0.1 US	0	0	20.7	0
4/3/2018	0.1 US	0.1 US	0	0	21.1	0
7/16/2018	0.1 US	0.1 US	0	0	20	0
10/2/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

LP-UD

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/28/2015	0.1 US	0.1 US	0	0	22.1	0
7/14/2015	0.1 US	0.1 US	0	0	20.8	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/5/2016	0.1 US	0.1 US	0	0	20.3	0
7/26/2016	0.1 US	0.1 US	0	0	20.4	0
10/25/2016	0.1 US	0.1 US	0	0	20.7	0
4/18/2017	0.1 US	0.1 US	0	0	20.9	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/3/2018	0.1 US	0.1 US	0	0	21.1	0
7/16/2018	0.1 US	0.1 US	0	0	20	0
10/2/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/19/2022	0.1 US	0.1 US	0	0	20.7	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0

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(LP-UD)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

MW-04-09A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/6/2021	0.1 US	0.1 US	0	0	20.9	0
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.7	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0

MW-04-09B

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/6/2021	0.1 US	0.1 US	0	0	20.9	0
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.7	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0

MW04-102

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/29/2015	0.1 US	0.1 US	0	0	22.4	0
7/14/2015	0.1 US	0.1 US	0	0	20.8	0
10/27/2015	0.1 US	0.1 US	0	0	21.5	0
4/5/2016	0.1 US	0.1 US	0	0	20.6	0
7/26/2016	0.1 US	0.1 US	0	0	20.4	0
10/25/2016	0.1 US	0.1 US	0	0	20.6	0
4/19/2017	0.1 US	0.1 US	0	0	20.2	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/25/2017	0.1 US	0.1 US	0	0	20.7	0
4/3/2018	0.1 US	0.1 US	0	0	21	0
7/16/2018	0.1 US	0.1 US	0	0	20.5	0
10/1/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0

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(MW04-102)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

MW04-105

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/28/2015	0.1 US	0.1 US	0	0	20.9	0
7/14/2015	0.1 US	0.1 US	0	0	20.6	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/5/2016	0.1 US	0.1 US	0	0	20.6	0
7/26/2016	0.1 US	0.1 US	0	0	20.5	0
10/25/2016	0.1 US	0.1 US	0	0	20.7	0
4/19/2017	0.1 US	0.1 US	0	0	20.4	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/23/2017	0.1 US	0.1 US	0	0	20.7	0
4/3/2018	0.1 US	0.1 US	0	0	21	0
7/16/2018	0.1 US	0.1 US	0	0	20.6	0
10/1/2018	0.1 US	0.1 US	0	0	21	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.8	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

MW04-109 & MW04-109R

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/28/2015	0.1 US	0.1 US	0	0	20.7	0
7/14/2015	0.1 US	0.1 US	0	0	20.6	0
10/27/2015	0.1 US	0.1 US	0	0	21.5	0
4/5/2016	0.1 US	0.1 US	0	0	20.6	0
7/26/2016	0.1 US	0.1 US	0	0	20.5	0
10/25/2016	0.1 US	0.1 US	0	0	20.7	0
4/18/2017	0.1 US	0.1 US	0	0	20.9	0

(MW04-109 & MW04-109R) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/3/2018	0.1 US	0.1 US	0	0	21.1	0
7/16/2018	0.1 US	0.1 US	0	0	20.4	0
10/2/2018	0.1 US	0.1 US	0	0	21	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.7	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0
MW06-01						
4/22/2019	0.1 US					
4/23/2019		0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/29/2020	M	M	M	M	M	M
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/28/2022	0.1 US	0.1 US	0	0	20.9	0
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0
MW-08-01						
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0

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(MW-08-01)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.6	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0

MW09-901

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/28/2015	0.1 US	0.1 US	0	0	21.2	0
7/14/2015	0.1 US	0.1 US	0	0	20.6	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/5/2016	0.1 US	0.1 US	0	0	20.6	0
7/26/2016	0.1 US	0.1 US	0	0	20	0
10/25/2016	0.1 US	0.1 US	0	0	20.7	0
4/18/2017	0.1 US	0.1 US	0	0	20.8	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/3/2018	0.1 US	0.1 US	0	0	21.1	0
7/16/2018	0.1 US	0.1 US	0	0	20.4	0
10/2/2018	0.1 US	0.1 US	0	0	21	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/28/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.7	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

MW-204

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/29/2015	0.1 US	0.1 US	0	0	21.4	0
7/14/2015	0.1 US	0.1 US	0	0	20.8	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/6/2016	0.1 US	0.1 US	0	0	19.5	0
7/26/2016	0.1 US	0.1 US	0	0	20.4	0
10/25/2016	0.1 US	0.1 US	0	0	20.6	0
4/18/2017	0.1 US	0.1 US	0	0	20.9	0
7/25/2017	0.1 US	0.1 US	0	0	20.4	0
10/23/2017	0.1 US	0.1 US	0	0	20.7	0
4/3/2018	0.1 US	0.1 US	0	0	20.9	0
7/16/2018	0.1 US	0.1 US	0	0	20.6	0
10/1/2018	0.1 US	0.1 US	0	0	19.8	0

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(MW-204)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.8	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	!	!	!	!	!	!
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

MW-206

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/27/2015	0.1 US	0.1 US	0	0	21.9	0
7/13/2015	0.1 US	0.1 US	0	0	21	0
10/26/2015	0.1 US	0.1 US	0	0	21	0
4/4/2016	0.1 US	0.1 US	0	0	20.8	0
7/26/2016	0.1 US	0.1 US	0	0	20.5	0
10/24/2016	0.1 US	0.1 US	0	0	20.7	0
4/17/2017	0.1 US	0.1 US	0	0	21.2	0
7/24/2017	0.1 US	0.1 US	0	0	20.9	0
10/23/2017	0.1 US	0.1 US	0	0	20.7	0
4/2/2018	0.1 US	0.1 US	0	0	20.8	0
7/16/2018	0.1 US	0.1 US	0	0	20.3	0
10/1/2018	0.1 US	0.1 US	0	0	20.9	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.8	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.8	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

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(MW-223A) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
MW-223A						
4/28/2015	0.1 US	0.1 US	0	0	20.7	0
7/14/2015	0.1 US	0.1 US	0	0	20.6	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/5/2016	0.1 US	0.1 US	0	0	20.6	0
7/26/2016	0.1 US	0.1 US	0	0	20	0
10/25/2016	0.1 US	0.1 US	0	0	20.6	0
4/18/2017	0.1 US	0.1 US	0	0	20.9	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/3/2018	0.1 US	0.1 US	0	0	21.1	0
7/16/2018	0.1 US	0.1 US	0	0	20.2	0
10/2/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/28/2020	0.1 US	0.1 US	0	0	20.8	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.8	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0
MW-223B						
4/28/2015	0.1 US	0.1 US	0	0	20.7	0
7/14/2015	0.1 US	0.1 US	0	0	20.6	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/5/2016	0.1 US	0.1 US	0	0	20.6	0
7/26/2016	0.1 US	0.1 US	0	0	20.3	0
10/25/2016	0.1 US	0.1 US	0	0	20.6	0
4/18/2017	0.1 US	0.1 US	0	0	21	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/3/2018	0.1 US	0.1 US	0	0	21.1	0
7/16/2018	0.1 US	0.1 US	0	0	20.2	0
10/2/2018	0.1 US	0.1 US	0	0	21.2	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/28/2020	0.1 US	0.1 US	0	0	20.8	0

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(MW-223B)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.8	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

MW-227

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/28/2015	0.1 US	0.1 US	0	0	20.8	0
7/14/2015	0.1 US	0.1 US	0	0	20.7	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/5/2016	0.1 US	0.1 US	0	0	20.7	0
7/26/2016	0.1 US	0.1 US	0	0	20.3	0
10/25/2016	0.1 US	0.1 US	0	0	20.6	0
4/18/2017	0.1 US	0.1 US	0	0	20.9	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/3/2018	0.1 US	0.1 US	0	0	21	0
7/16/2018	0.1 US	0.1 US	0	0	20.3	0
10/2/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/28/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/3/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/16/2024	0.1 US	0.1 US	0	0	20.9	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

MW-301

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/29/2015	0.1 US	0.1 US	0	0	21	0
7/14/2015	0.1 US	0.1 US	0	0	20.6	0

(MW-301) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
10/27/2015	0.1 US	0.1 US	0	0	21.5	0
4/6/2016	0.1 US	0.1 US	0	0	19.6	0
7/27/2016	0.1 US	0.1 US	0	0	18.7	0
10/25/2016	0.1 US	0.1 US	0	0	20.7	0
4/19/2017	0.1 US	0.1 US	0	0	20.1	0
7/25/2017	0.1 US	0.1 US	0	0	20.9	0
10/25/2017	0.1 US	0.1 US	0	0	20.6	0
4/3/2018	0.1 US	0.1 US	0	0	21	0
7/16/2018	0.1 US	0.1 US	0	0	20.6	0
10/1/2018	0.1 US	0.1 US	0	0	21.2	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0
MW-303 & MW12-303R						
4/27/2015	0.1 US	0.1 US	0	0	21.9	0
7/13/2015	0.1 US	0.1 US	0	0	21	0
10/26/2015	0.1 US	0.1 US	0	0	21	0
4/4/2016	0.1 US	0.1 US	0	0	20.6	0
7/25/2016	0.1 US	0.1 US	0	0	20.4	0
10/24/2016	0.1 US	0.1 US	0	0	20.6	0
4/17/2017	0.1 US	0.1 US	0	0	21.3	0
7/24/2017	0.1 US	0.1 US	0	0	20.9	0
10/23/2017	0.1 US	0.1 US	0	0	20.7	0
4/2/2018	0.1 US	0.1 US	0	0	21	0
7/16/2018	0.1 US	0.1 US	0	0	20.9	0
10/1/2018	0.1 US	0.1 US	0	0	20.9	0
4/22/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.7	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0

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(MW-303 & MW12-303R) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.9	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

MW-401A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/27/2015	0.1 US	0.1 US	0	0	20.9	0
7/13/2015	0.1 US	0.1 US	0	0	20.9	0
10/26/2015	0.1 US	0.1 US	0	0	21.3	0
4/6/2016	0.1 US	0.1 US	0	0	19.5	0
7/25/2016	0.1 US	0.1 US	0	0	20.2	0
10/24/2016	0.1 US	0.1 US	0	0	20.6	0
4/17/2017	0.1 US	0.1 US	0	0	21.2	0
7/24/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/2/2018	0.1 US	0.1 US	0	0	20.9	0
7/16/2018	0.1 US	0.1 US	0	0	20.4	0
10/1/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

MW-401B

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/27/2015	0.1 US	0.1 US	0	0	20.9	0
7/13/2015	0.1 US	0.1 US	0	0	20.9	0
10/26/2015	0.1 US	0.1 US	0	0	21.3	0
4/6/2016	0.1 US	0.1 US	0	0	19.5	0
7/25/2016	0.1 US	0.1 US	0	0	20.3	0
10/24/2016	0.1 US	0.1 US	0	0	20.6	0

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(MW-401B)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/17/2017	0.1 US	0.1 US	0	0	21.2	0
7/24/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.7	0
4/2/2018	0.1 US	0.1 US	0	0	20.9	0
7/16/2018	0.1 US	0.1 US	0	0	20.4	0
10/1/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

MW-402A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/29/2015	0.1 US	0.1 US	0	0	21.3	0
7/15/2015	0.1 US	0.1 US	0	0	20.9	0
10/28/2015	0.1 US	0.1 US	0	0	21.9	0
4/6/2016	0.1 US	0.1 US	0	0	20	0
7/27/2016	0.1 US	0.1 US	0	0	19.9	0
10/26/2016	0.1 US	0.1 US	0	0	20.7	0
4/19/2017	0.1 US	0.1 US	0	0	21.2	0
7/26/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/4/2018	0.1 US	0.1 US	0	0	20.5	0
7/16/2018	0.1 US	0.1 US	0	0	20.5	0
10/1/2018	0.1 US	0.1 US	0	0	21	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.8	0
7/20/2020	0.1 US	0.1 US	0	0	20.8	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0

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(MW-402A)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

MW-402B

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/29/2015	0.1 US	0.1 US	0	0	21.3	0
7/15/2015	0.1 US	0.1 US	0	0	20.9	0
10/28/2015	0.1 US	0.1 US	0	0	21.9	0
4/6/2016	0.1 US	0.1 US	0	0	20	0
7/27/2016	0.1 US	0.1 US	0	0	19.9	0
10/26/2016	0.1 US	0.1 US	0	0	20.7	0
4/19/2017	0.1 US	0.1 US	0	0	19.9	0
7/26/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/4/2018	0.1 US	0.1 US	0	0	20.6	0
7/16/2018	0.1 US	0.1 US	0	0	20.5	0
10/1/2018	0.1 US	0.1 US	0	0	21	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.8	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

MW-501

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/29/2020	M	M	M	M	M	M
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/28/2022	0.1 US	0.1 US	0	0	20.9	0

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(MW-501)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0
MW-502						
7/13/2021	0.1 US	0.1 US	0	0	20.9	0
10/6/2021	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0
MW-503						
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0
MW-504						
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.6	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0
MW-505						
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0
MW-506						
7/12/2021	0.1 US	0.1 US	0	0	20.9	0

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Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
(MW-506)						
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.7	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0
MW-507						
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/6/2021	0.1 US	0.1 US	0	0	20.9	0
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.7	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0
MW-508						
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.6	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0
OW-06-03						
4/23/2019	0.1 US	0.1 US	0	0	15.6	0
7/15/2019	0.1 US	0.1 US	0	0	20.4	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/29/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	13	0.1 US	0	0	13.2	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/28/2022	0.1 US	0.1 US	0	0	20.9	0
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.7	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0
OW-601A						
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0

DATA SUMMARY TABLE

Methane - H2S - Oxygen - CO2 - Report

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(OW-601A)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/29/2020	M	M	M	M	M	M
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.8	0
7/12/2021	0.1 US	0.1 US	0	0	20.8	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/28/2022	0.1 US	0.1 US	0	0	20.9	0
7/21/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.7	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0

OW-601B

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/29/2020	M	M	M	M	M	M
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/28/2022	0.1 US	0.1 US	0	0	20.9	0
7/21/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.7	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0

OW-602A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/29/2020	M	M	M	M	M	M
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/28/2022	0.1 US	0.1 US	0	0	20.9	0
7/21/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0

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(OW-602A)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.7	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0

OW-603B

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/23/2019	0.1 US	0.1 US	0	0	8.6	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/29/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	4.7	0
10/26/2020	0.1 US	0.1 US	0	0	20.8	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/28/2022	0.1 US	0.1 US	0	0	20.9	0
7/21/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.7	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0

OW-604A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/29/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/28/2022	0.1 US	0.1 US	0	0	20.9	0
7/21/2022	0.1 US	0.1 US	0	0	20.9	0
10/6/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.7	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0

OW-605A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/13/2021	0.1 US	0.1 US	0	0	20.9	0
10/6/2021	0.1 US	0.1 US	0	0	20.9	0
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0

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(OW-605A)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0

OW-606A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/6/2021	0.1 US	0.1 US	0	0	20.9	0
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0

OW-606B

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/2/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0

OW-607B

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.6	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0

OW-608A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/6/2021	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.8	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0

OW-608B

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(OW-608B)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.8	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0

OW-609B

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/11/2023	0.1 US	0.1 US	0	0	20.9	0
10/4/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.7	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0

OW-610A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/18/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.7	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

OW-611A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/6/2021	0.1 US	0.1 US	0	0	20.9	0
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.6	0
10/8/2024	0.1 US	0.1 US	0	0	20.9	0

P-04-02 & P-04-02R

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/15/2015	0.1 US	0.1 US	0	0	20.8	0
10/28/2015	0.1 US	0.1 US	0	0	21.9	0
4/6/2016	0.1 US	0.1 US	0	0	21	0
7/27/2016	0.1 US	0.1 US	0	0	19.6	0
10/26/2016	0.1 US	0.1 US	0	0	20.8	0
4/19/2017	0.1 US	0.1 US	0	0	20.2	0
7/26/2017	0.1 US	0.1 US	0	0	20.9	0
10/25/2017	0.1 US	0.1 US	0	0	20.7	0
4/3/2018	0.1 US	0.1 US	0	0	21	0
7/16/2018	0.1 US	0.1 US	0	0	20.3	0
10/1/2018	0.1 US	0.1 US	0	0	21.1	0
4/22/2019	0.1 US	0.1 US	0	0	20.9	0

(P-04-02 & P-04-02R)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

P-04-04

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/29/2015	0.1 US	0.1 US	0	0	21.7	0
7/15/2015	0.1 US	0.1 US	0	0	20.8	0
10/28/2015	0.1 US	0.1 US	0	0	21.9	0
4/6/2016	0.1 US	0.1 US	0	0	21	0
7/27/2016	0.1 US	0.1 US	0	0	19.6	0
10/26/2016	0.1 US	0.1 US	0	0	20.8	0
4/19/2017	0.1 US	0.1 US	0	0	21.2	0
7/26/2017	0.1 US	0.1 US	0	0	20.9	0
10/25/2017	0.1 US	0.1 US	0	0	20.6	0
4/3/2018	0.1 US	0.1 US	0	0	21	0
7/16/2018	0.1 US	0.1 US	0	0	20.3	0
10/1/2018	0.1 US	0.1 US	0	0	21.1	0
4/22/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/19/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

(P-04-07A) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
P-04-07A						
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.7	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0
P-04-07B						
4/19/2023	0.1 US	0.1 US	0	0	20.9	0
7/13/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/17/2024	0.1 US	0.1 US	0	0	20.6	0
10/10/2024	0.1 US	0.1 US	0	0	20.9	0
P-04-11A						
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0
P-04-11B						
7/20/2022	0.1 US	0.1 US	0	0	20.9	0
10/5/2022	0.1 US	0.1 US	0	0	20.9	0
4/20/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/5/2023	0.1 US	0.1 US	0	0	20.9	0
4/10/2024	0.1 US	0.1 US	0	0	20.9	0
7/18/2024	0.1 US	0.1 US	0	0	20.6	0
10/9/2024	0.1 US	0.1 US	0	0	20.9	0
P-206A						
4/27/2015	0.1 US	0.1 US	0	0	21.9	0
7/13/2015	0.1 US	0.1 US	0	0	21	0
10/26/2015	0.1 US	0.1 US	0	0	21	0
4/4/2016	0.1 US	0.1 US	0	0	20.8	0
7/25/2016	0.1 US	0.1 US	0	0	20.5	0
10/24/2016	0.1 US	0.1 US	0	0	20.7	0
4/17/2017	0.1 US	0.1 US	0	0	21.2	0
7/24/2017	0.1 US	0.1 US	0	0	20.9	0
10/23/2017	0.1 US	0.1 US	0	0	20.7	0
4/2/2018	0.1 US	0.1 US	0	0	20.8	0
7/16/2018	0.1 US	0.1 US	0	0	20.3	0
10/1/2018	0.1 US	0.1 US	0	0	20.9	0
4/22/2019	0.1 US	0.1 US	0	0	20.9	0

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(P-206A)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.8	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/12/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/10/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.7	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

W Property Line A

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
4/27/2015	0.1 US	0.1 US	0	0	21.4	0
7/15/2015	0.1 US	0.1 US	0	0	20.9	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/4/2016	0.1 US	0.1 US	0	0	20.6	0
7/25/2016	0.1 US	0.1 US	0	0	20.2	0
10/25/2016	0.1 US	0.1 US	0	0	20.7	0
4/18/2017	0.1 US	0.1 US	0	0	20.8	0
7/26/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.6	0
4/4/2018	0.1 US	0.1 US	0	0	20.8	0
7/16/2018	0.1 US	0.1 US	0	0	20.5	0
10/1/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/13/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.9	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

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(W Property Line B) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
W Property Line B						
4/27/2015	0.1 US	0.1 US	0	0	21.4	0
7/15/2015	0.1 US	0.1 US	0	0	20.9	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/4/2016	0.1 US	0.1 US	0	0	20.6	0
7/25/2016	0.1 US	0.1 US	0	0	20.1	0
10/25/2016	0.1 US	0.1 US	0	0	20.7	0
4/18/2017	0.1 US	0.1 US	0	0	20.8	0
7/26/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.7	0
4/4/2018	0.1 US	0.1 US	0	0	20.7	0
7/16/2018	0.1 US	0.1 US	0	0	20.4	0
10/1/2018	0.1 US	0.1 US	0	0	21.1	0
4/23/2019	0.1 US	0.1 US	0	0	20.9	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.8	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/13/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.9	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0
S Property Line						
4/27/2015	0.1 US	0.1 US	0	0	21.3	0
7/15/2015	0.1 US	0.1 US	0	0	20.8	0
10/27/2015	0.1 US	0.1 US	0	0	21.3	0
4/4/2016	0.1 US	0.1 US	0	0	20.6	0
7/25/2016	0.1 US	0.1 US	0	0	20	0
10/25/2016	0.1 US	0.1 US	0	0	20.7	0
4/18/2017	0.1 US	0.1 US	0	0	20.8	0
7/26/2017	0.1 US	0.1 US	0	0	20.9	0
10/24/2017	0.1 US	0.1 US	0	0	20.7	0
4/4/2018	0.1 US	0.1 US	0	0	20.8	0
7/16/2018	0.1 US	0.1 US	0	0	20.5	0
10/1/2018	0.1 US	0.1 US	0	0	21	0
4/23/2019	0.1 US	0.1 US	0	0	20.7	0
7/15/2019	0.1 US	0.1 US	0	0	20.9	0
10/28/2019	0.1 US	0.1 US	0	0	20.9	0
4/27/2020	0.1 US	0.1 US	0	0	20.9	0

SME SEVEE & MAHER ENGINEERS
SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(S Property Line) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide (Ambient) ppm	Hydrogen Sulfide ppm	Oxygen % Vol.	Carbon Dioxide % Vol.
7/20/2020	0.1 US	0.1 US	0	0	20.9	0
10/26/2020	0.1 US	0.1 US	0	0	20.9	0
4/5/2021	0.1 US	0.1 US	0	0	20.9	0
7/13/2021	0.1 US	0.1 US	0	0	20.9	0
10/4/2021	0.1 US	0.1 US	0	0	20.9	0
4/25/2022	0.1 US	0.1 US	0	0	20.9	0
7/18/2022	0.1 US	0.1 US	0	0	20.9	0
10/3/2022	0.1 US	0.1 US	0	0	20.9	0
4/17/2023	0.1 US	0.1 US	0	0	20.9	0
7/12/2023	0.1 US	0.1 US	0	0	20.9	0
10/2/2023	0.1 US	0.1 US	0	0	20.9	0
4/1/2024	0.1 US	0.1 US	0	0	20.9	0
7/15/2024	0.1 US	0.1 US	0	0	20.9	0
10/7/2024	0.1 US	0.1 US	0	0	20.9	0

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Concentration Qualifier Notes:

! - The sampling location was damaged or destroyed.
M - Results are missing or not reliable due to a meter malfunction.
US - Not Detected above the reported reporting limit determined by interpreted instrument specification.

ATTACHMENT G

Landfill Gas Monitoring Evaluation

JUNIPER RIDGE LANDFILL

2024 ANNUAL GAS MONITORING EVALUATION

Operated by NEWSME Landfill Operations, LLC

2828 Bennoch Road, Old Town, Maine 04468 • (207) 394-4372

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1.0 INTRODUCTION

In accordance with the Maine Department of Environmental Protection (MEDEP) Chapter 401, Solid Waste Management Rules, Section 401.4.D(4)(d), an evaluation of the gas monitoring results for Juniper Ridge Landfill's (JRL) past year, including a comparison of the past year's results to the previous year's results is provided below.

Throughout 2024, the following regular landfill gas (LFG) monitoring activities occurred at JRL: (1) well-tuning of LFG collection trenches and wells (well heads), (2) continuous flow and temperature measurement at the landfill gas combustion flare, and (3) LFG composition measurement during well-tuning activities at the LFG combustion flare.

Additionally, JRL is subject to 40 Code of Federal Regulations (CFR) Part 60 Subpart XXX (the New Source Performance Standards [NSPS] for Municipal Solid Waste [MSW] landfills) and the operational standards of 40 CFR Part 63 Subpart AAAA (the National Emission Standard for Hazardous Air Pollutants [NESHAP] for MSW landfills). Reports completed in accordance with NSPS requirements are submitted separately to the MEDEP Bureau of Air Quality.

On March 26, 2020, NESHAP Subpart AAAA was updated with changes required to take effect by September 2021. JRL began complying with the changes as of the issuance date of air emission license A-921-70-H-A (1/6/2021), including the increased default LFG operating temperature limit of 145 degrees Fahrenheit (°F).

2.0 WELL FIELD ACTIVITY

During 2024, well field activities consisted of the addition of new infrastructure, as well as discontinuing older infrastructure due to malfunction, insufficient methane production or redundancy. Anomalies associated with routine operation of the well field were also monitored. A summary is provided below.

2.1 Active, New, and Discontinued Well Heads

At the beginning of 2024, the JRL well field consisted of approximately 254 active collection devices. During 2024, 8 gas collection trenches, 12 vertical wells and 2 other additional odor collectors were discontinued or replaced. Prior to discontinuing vertical wells, JRL first sought MEDEP approval. Prior to discontinuing gas collection trenches, which are designed as temporary collectors, JRL first notified MEDEP. Table 2-1 shows all well heads that were monitored during 2024, as well as their status as of the end of the year. By the end of 2024, approximately 259 gas collection devices remained active.

Table 2-1 Well Heads Monitored at JRL, 2024

ID	Type	Status	ID	Type	Status
GW-33R-2	Gas Well	Active	JR-GW-81	Gas Well	Active
JRGW31R2	Gas Well	Active	JR-GW-82	Gas Well	Active
GW-43	Gas Well	Active	JR-GW-83	Gas Well	Active
JR-GW--I	Gas Well	Active	JR-GW-85	Gas Well	Active
JR-GW--L	Gas Well	Active	JR-GW-86	Gas Well	Active
JR-GW--S	Gas Well	Active	JR-GW-87	Gas Well	Active
JR-GW--U	Gas Well	Active	JR-GW-88	Gas Well	Active
JR-GW--V	Gas Well	Active	JR-GW-89	Gas Well	Active
JR-GW-09	Gas Well	Active	JR-GW-90	Gas Well	Active
JR-GW-18	Gas Well	Active	JR-GW-91	Gas Well	Active
JR-GW-26	Gas Well	Active	JR-GW-95	Gas Well	Active
JR-GW-28	Gas Well	Active	JR-GW-96	Gas Well	Active
JR-GW-29	Gas Well	Active	JR-GW-97	Gas Well	Active
JR-GW-34	Gas Well	Active	JR-GW-98	Gas Well	Active
JR-GW-35	Gas Well	Active	JR-GW-99	Gas Well	Active
JR-GW-37	Gas Well	Active	JR-GW-H2	Gas Well	Active
JR-GW-38	Gas Well	Active	JR-GW100	Gas Well	Active
JR-GW-40	Gas Well	Active	JR-GW101	Gas Well	Active
JR-GW-41	Gas Well	Active	JR-GW102	Gas Well	Active
JR-GW-42	Gas Well	Active	JR-GW104	Gas Well	Active
JR-GW-44	Gas Well	Active	JR-GW105	Gas Well	Active
JR-GW-46	Gas Well	Active	JR-GW107	Gas Well	Active
JR-GW-47	Gas Well	Active	JR-GW108	Gas Well	Active
JR-GW-48	Gas Well	Active	JR-GW109	Gas Well	Active
JR-GW-49	Gas Well	Active	JR-GW110	Gas Well	Active
JR-GW-52	Gas Well	Active	JR-GW111	Gas Well	Active
JR-GW-53	Gas Well	Active	JR-GW112	Gas Well	Active
JR-GW-55	Gas Well	Active	JR-GW113	Gas Well	Active
JR-GW-56	Gas Well	Active	JR-GW114	Gas Well	Active
JR-GW-58	Gas Well	Active	JR-GW115	Gas Well	Active
JR-GW-61	Gas Well	Active	JRGW-116	Gas Well	Active
JR-GW-62	Gas Well	Active	JR-GW117	Gas Well	Active
JR-GW-64	Gas Well	Active	JR-GW118	Gas Well	Active
JR-GW-65	Gas Well	Active	JR-GW119	Gas Well	Active
JR-GW-70	Gas Well	Active	JR-GW120	Gas Well	Active
JR-GW-71	Gas Well	Active	JR-GW121	Gas Well	Active
JR-GW-72	Gas Well	Active	JR-GW122	Gas Well	Active
JR-GW-75	Gas Well	Active	JR-GW123	Gas Well	Active
JR-GW-78	Gas Well	Active	JR-GW125	Gas Well	Active
JR-GW-79	Gas Well	Active	JR-GW126	Gas Well	Active
JR-GW-80	Gas Well	Active	JR-GW127	Gas Well	Active

Table 2-1 Well Heads Monitored at JRL, 2024 Cont.

ID	Type	Status	ID	Type	Status
JR-GW128	Gas Well	Active	JR-GW23R	Gas Well	Active
JR-GW130	Gas Well	Active	JR-GW24R	Gas Well	Active
JR-GW131	Gas Well	Active	JR-GW25R	Gas Well	Active
JR-GW132	Gas Well	Active	JR-GW30R	Gas Well	Active
JR-GW134	Gas Well	Active	JR-GW32R	Gas Well	Active
JR-GW135	Gas Well	Active	JR-GW33R	Gas Well	Active
JR-GW139	Gas Well	Active	JR-GW42B	Gas Well	Active
JR-GW142	Gas Well	Active	JR-GW42R	Gas Well	Active
JR-GW146	Gas Well	Active	JR-GW50B	Gas Well	Active
JR-GW15R	Gas Well	Active	JR-GW50R	Gas Well	Active
JR-GW160	Gas Well	Active	JR-GW51B	Gas Well	Active
JR-GW16R	Gas Well	Active	JR-GW51R	Gas Well	Active
JR-GW172	Gas Well	Active	JR-GW58B	Gas Well	Active
JR-GW173	Gas Well	Active	JR-GW59B	Gas Well	Active
JR-GW175	Gas Well	Active	JR-GW59R	Gas Well	Active
JR-GW176	Gas Well	Active	JR-GW60B	Gas Well	Active
JR-GW177	Gas Well	Active	JR-GW60R	Gas Well	Active
JR-GW182	Gas Well	Active	JR-GW66R	Gas Well	Active
JR-GW183	Gas Well	Active	JR-GW68B	Gas Well	Active
JR-GW184	Gas Well	Active	JR-GW68R	Gas Well	Active
JR-GW185	Gas Well	Active	JR-GW69B	Gas Well	Active
JR-GW186	Gas Well	Active	JR-GW69R	Gas Well	Active
JR-GW187	Gas Well	Active	JR-GW73R	Gas Well	Active
JR-GW188	Gas Well	Active	JR-GW74R	Gas Well	Active
JR-GW189	Gas Well	Active	JR-GW75S	Gas Well	Active
JR-GW190	Gas Well	Active	JRGW76BR	Gas Well	Active
JR-GW191	Gas Well	Active	JR-GW76R	Gas Well	Active
JR-GW192	Gas Well	Active	JR-GW77R	Gas Well	Active
JR-GW193	Gas Well	Active	JR-GW78B	Gas Well	Active
JR-GW194	Gas Well	Active	JR-GW79B	Gas Well	Active
JR-GW195	Gas Well	Active	JR-GW83S	Gas Well	Active
JR-GW196	Gas Well	Active	JR-GW84R	Gas Well	Active
JR-GW197	Gas Well	Active	JR-GW92R	Gas Well	Active
JR-GW198	Gas Well	Active	JR-GW93R	Gas Well	Active
JR-GW199	Gas Well	Active	JR-GW94R	Gas Well	Active
JR-GW19R	Gas Well	Active	JR-OP011	Other	Active
JR-GW200	Gas Well	Active	JR-OP012	Other	Active
JR-GW201	Gas Well	Active	JR-OP013	Other	Active
JR-GW202	Gas Well	Active	JR-OP014	Other	Active
JR-GW204	Gas Well	Active	JR-OP12A	Other	Active
JR-GW206	Gas Well	Active	JR1206S	Horizontal	Active
JR-GW20R	Gas Well	Active	JR1207S	Horizontal	Active

Table 2-1 Well Heads Monitored at JRL, 2024 Cont.

ID	Type	Status	ID	Type	Status
JR1208S	Horizontal	Active	JRCT1306L	Horizontal	Active
JRCT1001	Horizontal	Active	JRCT1306S	Horizontal	Active
JRCT1004	Horizontal	Active	JRCT1307	Horizontal	Active
JRCT1005	Horizontal	Active	JRCT1308	Horizontal	Active
JRCT1008	Horizontal	Active	JRCT1309	Horizontal	Active
JRCT1009	Horizontal	Active	JRCT1310	Horizontal	Active
JRCT1010	Horizontal	Active	JRCT1311	Horizontal	Active
JRCT1011	Horizontal	Active	JRCT1312	Horizontal	Active
JRCT1101	Horizontal	Active	JRCT1401	Horizontal	Active
JRCT1102	Horizontal	Active	JRCT1402	Horizontal	Active
JRCT1103	Horizontal	Active	JRCT1403	Horizontal	Active
JRCT1104	Horizontal	Active	JRCT1404	Horizontal	Active
JRCT1105	Horizontal	Active	JRCT1405	Horizontal	Active
JRCT1106	Horizontal	Active	JRCT1406	Horizontal	Active
JRCT1107	Horizontal	Active	JRCT1407	Horizontal	Active
JRCT1108	Horizontal	Active	JRCT1408	Horizontal	Active
JRCT1109	Horizontal	Active	JRCT1409	Horizontal	Active
JRCT1110	Horizontal	Active	JRCT1410	Horizontal	Active
JRCT1111	Horizontal	Active	JRCT1411	Horizontal	Active
JRCT1112	Horizontal	Active	JRCT1412	Horizontal	Active
JRCT1113	Horizontal	Active	JRCT1413	Horizontal	Active
JRCT1114	Horizontal	Active	JRCT1414	Horizontal	Active
JRCT1115	Horizontal	Active	JRCT1415	Horizontal	Active
JRCT1116	Horizontal	Active	JRCT1416	Horizontal	Active
JRCT1117	Horizontal	Active	JRCT1417	Horizontal	Active
JRCT1118	Horizontal	Active	JRCT1418	Horizontal	Active
JRCT1120	Horizontal	Active	JRCT1420	Horizontal	Active
JRCT1124	Horizontal	Active	JRCT1421	Horizontal	Active
JRCT1202	Horizontal	Active	JRGCT1501	Horizontal	Active
JRCT1203	Horizontal	Active	JRGCT1502	Horizontal	Active
JRCT1204	Horizontal	Active	JRGCT1503	Horizontal	Active
JRCT1210	Horizontal	Active	JRGCT1504	Horizontal	Active
JRCT1211	Horizontal	Active	JRCT1505	Horizontal	Active
JRCT1212	Horizontal	Active	JRCT1506	Horizontal	Active
JRCT1213	Horizontal	Active	JRCT1507	Horizontal	Active
JRCT1301	Horizontal	Active	JRCT1508	Horizontal	Active
JRCT1302	Horizontal	Active	JRCT1509	Horizontal	Active
JRCT1303	Horizontal	Active	JRCT1510	Horizontal	Active
JRCT1304L	Horizontal	Active	JRCT1511	Horizontal	Active
JRCT1304S	Horizontal	Active	JRCT1512	Horizontal	Active
JRCT1305L	Horizontal	Active	JCT1513A	Horizontal	Active
JRCT1305S	Horizontal	Active	JCT1513B	Horizontal	Active

Table 2-1 Well Heads Monitored at JRL, 2024 Cont.

ID	Type	Status	ID	Type	Status
JRCT1514	Horizontal	Active	JR-GW-68	Gas Well	Discontinued
JRCT1515	Horizontal	Active	JR-GW-74	Gas Well	Discontinued
JRCT1516	Horizontal	Active	JR-GW-76	Gas Well	Discontinued
JRGCT502	Horizontal	Active	JR-GW76B	Gas Well	Discontinued
JRGW22R2	Gas Well	Active	JR-GW-84	Gas Well	Discontinued
JRGW59R2	Gas Well	Active	JRGCT503	Horizontal	Discontinued
JROP11NE	Other	Active	JRGCT505	Horizontal	Discontinued
JROPCAP1	Other	Active	JRGCT508	Horizontal	Discontinued
JR-OPTOE	Other	Active	JRGCT511	Horizontal	Discontinued
JR-GW-03	Gas Well	Discontinued	JRGCT601	Horizontal	Discontinued
JR-GW-04	Gas Well	Discontinued	JRGCT606	Horizontal	Discontinued
JR-GW-05	Gas Well	Discontinued	JRGCT607	Horizontal	Discontinued
JR-GW07R	Gas Well	Discontinued	JRGCT709	Horizontal	Discontinued
JR-GW-11	Gas Well	Discontinued	JR-OP101	Other	Discontinued
JR-GW-13	Gas Well	Discontinued	JR-OP901	Other	Discontinued
JR-GW-66	Gas Well	Discontinued			

2.2 Changes and Anomalies in the Well Field

The facility was operated in accordance with NSPS requirements during the entirety of 2024. As discussed in Section 2.1, numerous collection trenches and wells were added and discontinued throughout 2024 as part of routine operations. Readings in excess of NESHAP thresholds for temperature and pressure were promptly addressed, and follow-ups were completed in accordance with NESHAP requirements. Excess readings were provided in separate reports to the MEDEP.

Due to the types of waste currently/previously disposed of at JRL (primarily construction debris, construction debris processing residuals, sludge, and ash), which tend to have higher decomposition temperatures than typical household waste, operating some of JRL's well heads according to NESHAP guidelines (with default gas temperature of 145 °F (62.8 °C)) has not always been possible. With that in mind, upon careful review by JRL staff and the MEDEP, several Higher Operating Value (HOV) allowances have been granted for temperature, up to 150 °F, to allow for proper gas collection to occur at these locations. JRL will continue to submit HOV requests as necessary to ensure continued compliance and a successful operation.

3.0 LANDFILL GAS COMPOSITION

During well-tuning activities, the composition of the LFG supplied to the flare was measured/recorded in concentrations of methane, carbon dioxide, and oxygen (CH_4, CO_2, O_2 respectively). Balance gas was also recorded as the remaining value once other concentrations were removed from 100%. During both 2023 and 2024, JRL staff operated well heads with the intent of maintaining a target CH_4 concentration of 43%-48% (by volume). This assists with odor control and greenhouse gas reduction. Target O_2 concentrations were 0%-2% (by volume) in order to maintain a high efficiency vacuum system and prevent possible landfill complications associated with oxygen infiltration. Carbon dioxide and balance gas were monitored but are not as important as the constituents CH_4 and O_2. Monthly CH_4 and O_2 readings shown in Figure 3-1 were collected at the JRL Flare 4 during monthly well-tuning events. These readings helped compute the averages shown below in Figure 3-1.

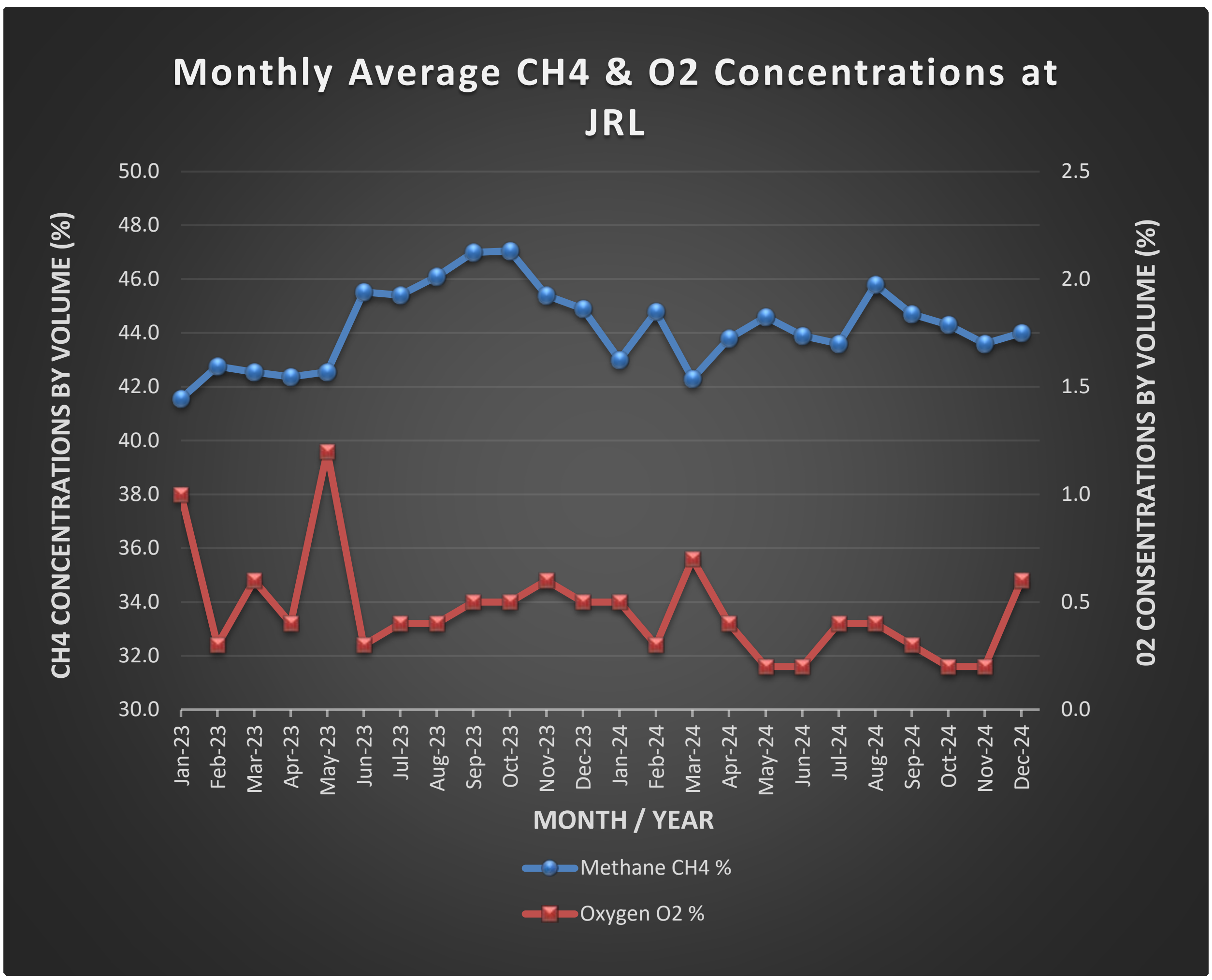

Figure 3-1 Monthly Average CH_4 and O_2 Concentrations at JRL, 2023 & 2024

For the majority of 2024, CH_4 remained within the target range of 43%-48%. The average CH_4 for 2024 was 44%, a 2 percent decrease from the 2023 average of 45%. This decrease is minimal and likely attributed to minor adjustments made by the professional well-tuner to help control odors. The average O_2 during 2024 was very low at 0.4%, a 33% decrease from the 2023 average of 0.6%.

4.0 LANDFILL GAS FLOW

Once collected, JRL's LFG is treated on-site using a Thiopaq® gas treatment system, then sent to Flare #4 to be burned or to Archaea's Renewable Natural Gas (RNG) Facility for further conditioning before it is turned into RNG (which is 97-99% CH_4) and can be sold as renewable fuel. LFG flows sent to Flare #4 or Archaea's RNG Facility are measured and recorded on a continuous basis using thermal flow meters. Flow meter data for 2024 (and 2023 for comparison) is summarized in Table 4-1.

Table 4-1 Volumetric Flow of Landfill Gas at JRL, 2023 & 2024

Month / Year	Total Flow to Flare #4 (MMSCF)	Total Flow to Archaea's RNG Facility (MMSCF)	Monthly Average Landfill Gas Flow (SCF)	Monthly Total Landfill Gas Flow (MMSCF)
Jan-23	117.0	0.0	2,622	117.0
Feb-23	113.1	0.0	2,805	113.1
Mar-23	125.8	0.0	2,819	125.8
Apr-23	113.0	0.0	2,616	113.0
May-23	108.6	0.0	2,433	108.6
Jun-23	102.7	0.0	2,377	102.7
Jul-23	121.4	0.0	2,720	121.4
Aug-23	119.1	0.0	2,668	119.1
Sep-23	122.6	0.0	2,838	122.6
Oct-23	131.5	0.0	2,946	131.5
Nov-23	130.4	0.0	3,019	130.4
Dec-23	124.3	0.0	2,786	124.3
Jan-24	131.8	0.0	2,952	131.8
Feb-24	131.4	0.0	3,146	131.4
Mar-24	108.0	29.3	3,075	137.3
Apr-24	108.8	12.3	2,804	121.1
May-24	87.4	38.8	2,825	126.1
Jun-24	91.9	30.5	2,835	122.5
Jul-24	117.5	0.4	2,640	117.9
Aug-24	62.6	63.8	2,831	126.4
Sep-24	70.8	55.8	2,930	126.6
Oct-24	90.9	46.2	3,071	137.1
Nov-24	116.3	22.2	3,205	138.5
Dec-24	119.6	15.3	3,023	134.9
Total Landfill Gas Flow 2023 (MMSCF)				**1,430**
Total Landfill Gas Flow 2024 (MMSCF)				**1,551**
Average Landfil Gas Flow 2023 (SCF)			**2,721**	
Average Landfil Gas Flow 2024 (SCF)			**2,945**	

The total LFG flow collected, treated, then directed to Flare #4 or Archaea's RNG Facility during 2024 was 1,551 million standard cubic feet (MMSCF). This was an 8% increase from the total LFG flow of 1,430 MMSCF in 2023. This increase is likely attributed to changes in waste mix (large amounts of Bypass MSW and Sludge), which are known to generate large amounts of LFG. This increase is an encouraging for Archaea's RNG Facility which came online in March of 2024.

Also calculated is the monthly/yearly average landfill gas flow in units of Standard Cubic Feet (SCF). During 2024 the yearly average LFG flow was 2,945 SCF. This again was an 8% increase from the yearly average LFG flow of 2,721 SCF for 2023.

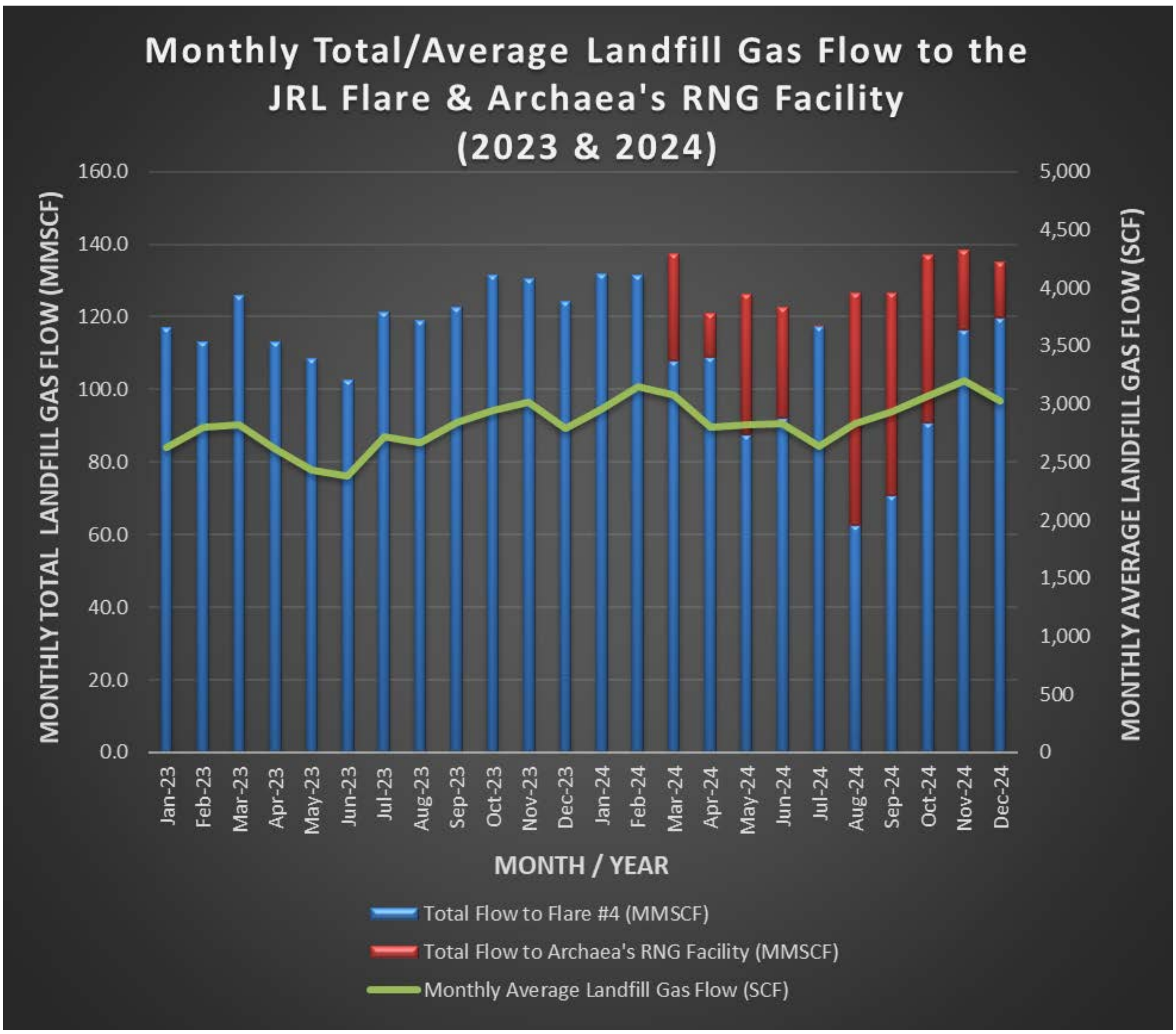

Figure 4-1 Monthly Total/Average Landfill Gas Flow Rate at JRL, 2023 & 2024

5.0 ENERGY GENERATED BY METHANE COMBUSTION

JRL has a candlestick type flare (Flare #4) which burns methane (CH_4) present in the LFG. The Archaea RNG Facility further conditioning treated LFG into (97-99%) pure renewable natural gas which is primarily CH_4. CH_4 has an approximate heating value of 1,005 British Thermal Unit (BTU)/SCF.

Using the heating value of CH_4 (1005 BTU/SCF)*(monthly average CH_4 content)*(Monthly Total LFG flows sent to Flare #4 or the Archaea RNG Facility in SCF presented in the previous sections), the energy generated by the combustion of CH_4 either through JRL's Flare #4 or other sources after delivered to Archaea's RNG Facility is calculated in Table 5-1.

Table 5-1 Energy Generated by CH_4 Combustion at JRL or Other Sources, 2023 & 2024

Month	Energy Generated by CH_4 Combustion at Flare #4 (MMBTU)	Energy sent to Archaea's RNG Facility for Reuse (MMBTU)	Monthly Average Methane Content (CH_4)	Total Energy Generated by CH_4 (MMBTU)
Jan-23	48,882.3	0.0	0.416	48,882.3
Feb-23	48,598.8	0.0	0.428	48,598.8
Mar-23	53,798.4	0.0	0.425	53,798.4
Apr-23	48,119.4	0.0	0.424	48,119.4
May-23	46,446.4	0.0	0.426	46,446.4
Jun-23	46,981.1	0.0	0.455	46,981.1
Jul-23	55,410.8	0.0	0.454	55,410.8
Aug-23	55,171.1	0.0	0.461	55,171.1
Sep-23	57,905.5	0.0	0.470	57,905.5
Oct-23	62,191.8	0.0	0.471	62,191.8
Nov-23	59,506.9	0.0	0.454	59,506.9
Dec-23	56,111.1	0.0	0.449	56,111.1
Jan-24	56,971.5	0.0	0.430	56,971.5
Feb-24	59,148.4	0.0	0.448	59,148.4
Mar-24	45,926.9	12,470.3	0.423	58,397.1
Apr-24	47,919.4	5,434.7	0.438	53,354.1
May-24	39,169.9	17,385.6	0.446	56,555.5
Jun-24	40,575.4	13,474.5	0.439	54,050.0
Jul-24	51,523.0	162.5	0.436	51,685.5
Aug-24	28,787.3	29,319.1	0.458	58,106.4
Sep-24	31,807.7	25,073.6	0.447	56,881.3
Oct-24	40,422.8	20,560.3	0.443	60,983.1
Nov-24	50,948.6	9,706.3	0.436	60,654.9
Dec-24	52,722.3	6,738.2	0.439	59,460.4
Total Energy Distructed at Flare 4 in 2023 (MMBTU)				**639,124**
Total Energy Distructed at Flare 4 in 2024 (MMBTU)				**545,923**
Total Energy sent to Archaea's RNG Facility for Reuse 2023 (MMBTU)				**0**
Total Energy sent to Archaea's RNG Facility for Reuse 2024 (MMBTU)				**140,325**
Total Energy Generated by CH_4 in 2023 (MMBTU)				**639,124**
Total Energy Generated by CH_4 in 2024 (MMBTU)				**686,248**

Monthly energy generated by the combustion of CH_4 (either through the JRL's Flare #4 or other sources after delivered to Archaea's RNG facility) along with their combined energy generated in Million British Thermal Unit (MMBTU) is calculated in Table 5-1.

The Calculated total energy converted to heat through combustion through JRL's Flare #4 or other sources after delivered to Archaea's RNG facility in 2024 was 686,248 MMBTUs. This was an increase of 7% from the 2023 total of 639,124 MMBTUs. This increase is likely attributed to changes in waste mix (large amounts of Bypass MSW and Sludge), which is known to generate large amounts of LFG.

Since Archaea's RNG Facility only began accepting LFG in March 2024, only total energy was evaluated. A further evaluation of individual sources will be compared during the 2025 reporting season.

6.0 SUMMARY

Throughout 2024, routine landfill gas (LFG) monitoring took place at JRL, in accordance with NESHAP requirements. At the beginning of 2024, the JRL well field consisted of approximately 254 active collection devices. By the end of 2024, approximately 259 gas collection devices remained active.

The average CH_4 for 2024 was 44%, a 2 percent decrease from the 2023 average of 45%. This decrease is minimal and likely attributed to minor adjustments made by the professional well-tuner to help control odors. The average O_2 during 2024 was 0.4%, a 33% decrease from the 2023 average of 0.6%.

The total LFG flow collected, treated, then directed to Flare #4 or Archaea's RNG Facility during 2024 was 1,551 million standard cubic feet (MMSCF), an 8% increase from the 2023 total LFG flow of 1,430 MMSCF.

The Calculated total energy converted to heat through combustion through JRL's Flare #4 or other sources after delivered to Archaea's RNG facility in 2024 was 686,248 MMBTUs. This was an increase of 7% from the 2023 total of 639,124 MMBTUs. This increase is likely attributed to changes in waste mix (large amounts of Bypass MSW and Sludge), which is known to generate large amounts of LFG.

ATTACHMENT H

Landfill Air Monitoring Evaluation

JUNIPER RIDGE LANDFILL

2024 ANNUAL AIR MONITORING EVALUATION

JUNIPER RIDGE LANDFILL

Operated by NEWSME Landfill Operations, LLC

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1.0 INTRODUCTION

In accordance with the Maine Department of Environmental Protection (MEDEP) Chapter 401, Solid Waste Management Rules, Section 401.D(4)(e), NEWSME Landfill Operations, LLC has evaluated and summarized air monitoring results for 2024 and compared them to 2023 results. Two types of air monitoring activities occurred at the Juniper Ridge Landfill (JRL) during 2024; (1) hydrogen sulfide (H_2S) monitoring at stationary continuous monitors; and (2) quarterly methane (CH_4) emission surface scans on the landfill's intermediate cover. The air monitoring was completed in general accordance with the procedures specified in the current JRL Operations Manual.

H_2S monitors are Honeywell® Analytics MDA Single Point Monitors (SPM) utilizing EP hydrides Chemcassettes® also provided by Honeywell®. Readings were taken at 15-minute intervals and data-logged. Monitors are located at four different off-site locations surrounding the landfill as shown in Figure 1-1.

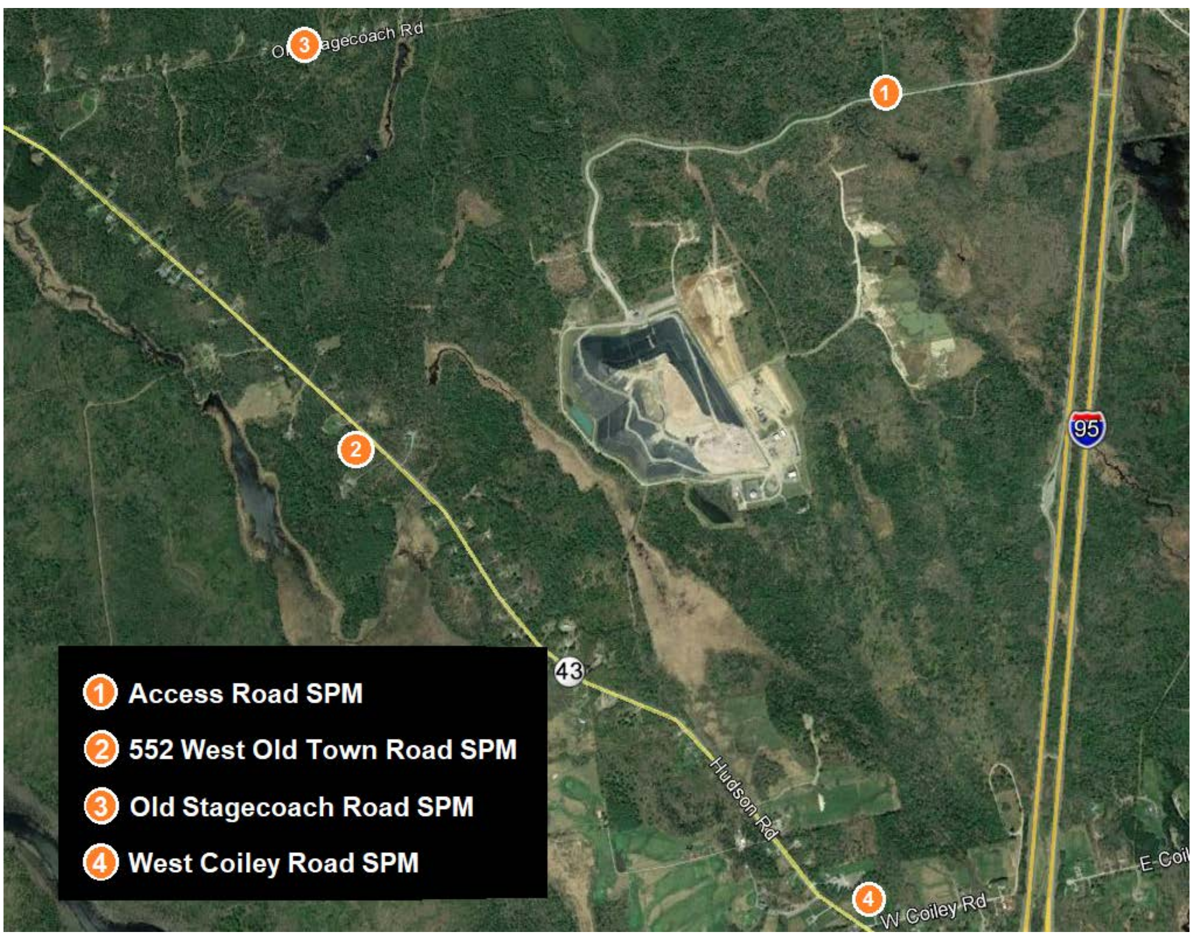

Figure 1-1 Juniper Ridge Landfill H_2S Single Point Monitoring Locations

Methane scans were completed using a Micro FID® (flame ionizing detector) or similar mobile device (Inficon IRwin®) and completed once every quarter by taking measurements along an approximate 30-meter spacing grid on the intermediate cover system. Measurements were also collected at cover penetrations in the pattern (i.e., gas collection piping, etc.) and at noticeable punctures, cracks, or holes in the intermediate cover.

Additionally, odor complaints from the 24-hour JRL odor complaint hotline for 2024 were summarized and compared to 2023 results.

2.0 STATIONARY H_2S MONITORING RESULTS

Using the four Honeywell Analytics SPMs located off-site (on the Access Road, West Coiley Road, 552 West Old Town Road (Route 43), and Old Stagecoach Road), real-time data is collected and recorded at 15-minute intervals. If at any time off-site monitors detect concentrations greater than 15 parts per billion (ppb), then scale house personnel are alerted by automated telephone messages. Personnel then report any alert to supervisory staff, who are responsible for reporting H_2S readings greater than 15 ppb in the facility's Monthly Status Report and to the Old Town Code Enforcement Officer if H_2S levels exceed 30 ppb.

The Honeywell Chemcassette® tapes utilized in the SPMs at JRL are capable of continuously detecting hydrogen sulfide levels down to 2 ppb and quantitatively measuring down to 4 ppb. The quantitation limit (4 ppb) is the lowest numerical value that can be determined with suitable precision and accuracy and the detection limit (2 ppb) is the lowest numerical value that can be reasonably estimated by the instrument (typically half the quantitation limit). The summarized data provided below is an average of readings, including non-detect (values less than 2 ppb) readings taken at each instrument, therefore the average values (monthly and annually) are typically less than the detection limit of the Chemcassettes®.

In 2024, data logged readings, along with SPM maintenance records and associated weather data from an on-site weather station were provided to the MEDEP on a periodic basis. SPM maintenance includes Chemcassette® change outs, which generally occur every 6 weeks, along with recommended maintenance performed by the manufacturer.

The annual average H_2S calculated values at the Access Road, 552 West Old Town Road, the Old Stagecoach Road, and the West Coiley Road SPMs are presented in Table 2-1 & Figure 2-1. Due to the vast number of non-detect readings, also known as zero readings, the average H_2S values for all four meters were below the detection limit of 2 ppb for both 2023 and 2024.

Table 2-1 Annual SPM H_2S Averages, 2023 & 2024

Juniper Ridge Landfill 2023 Annual SPM H_2S Averages					
Location	Bangor Wind Rose %[1]	Bangor Wind Rose % plus 50% calm[2]	Non-Detect Readings	Average in ppb (Non-Detect = 0 ppb)	Average in ppb (Non-Detect = 1 ppb[3])
Access Road	9.8%	18.9%	34,458	0.025	0.122
552 West Old Town Road	5.9%	15.0%	30,633	0.424	0.476
Old Stagecoach Road	9.7%	18.8%	34,738	0.002	0.099
West Coiley Road	16.3%	25.4%	28,171	0.480	0.612
Total Number of Readings in 2023: 34,746					

Juniper Ridge Landfill 2024 Annual SPM H_2S Averages					
Location	Bangor Wind Rose %[1]	Bangor Wind Rose % plus 50% calm[2]	Non-Detect Readings	Average in ppb (Non-Detect = 0 ppb)	Average in ppb (Non-Detect = 1 ppb[3])
Access Road	12.2%	20.8%	32,106	0.244	0.356
552 West Old Town Road	3.8%	12.4%	33,492	0.117	0.153
Old Stagecoach Road	7.6%	16.2%	34,796	0.001	0.077
West Coiley Road	15.5%	24.1%	31,307	0.299	0.439
Total Number of Readings in 2024: 34,818					

[1] Bangor Wind Rose percentage of time wind in direction of SPM.
[2] Bangor Wind Rose percentage of time wind in direction of SPM plus 50% of Calm.
[3] Used 1 ppb instead of 0 for non-detect readings when the wind was in the direction of meter and 50% of time when the wind was calm; percentages are shown for each SPM in the second column.

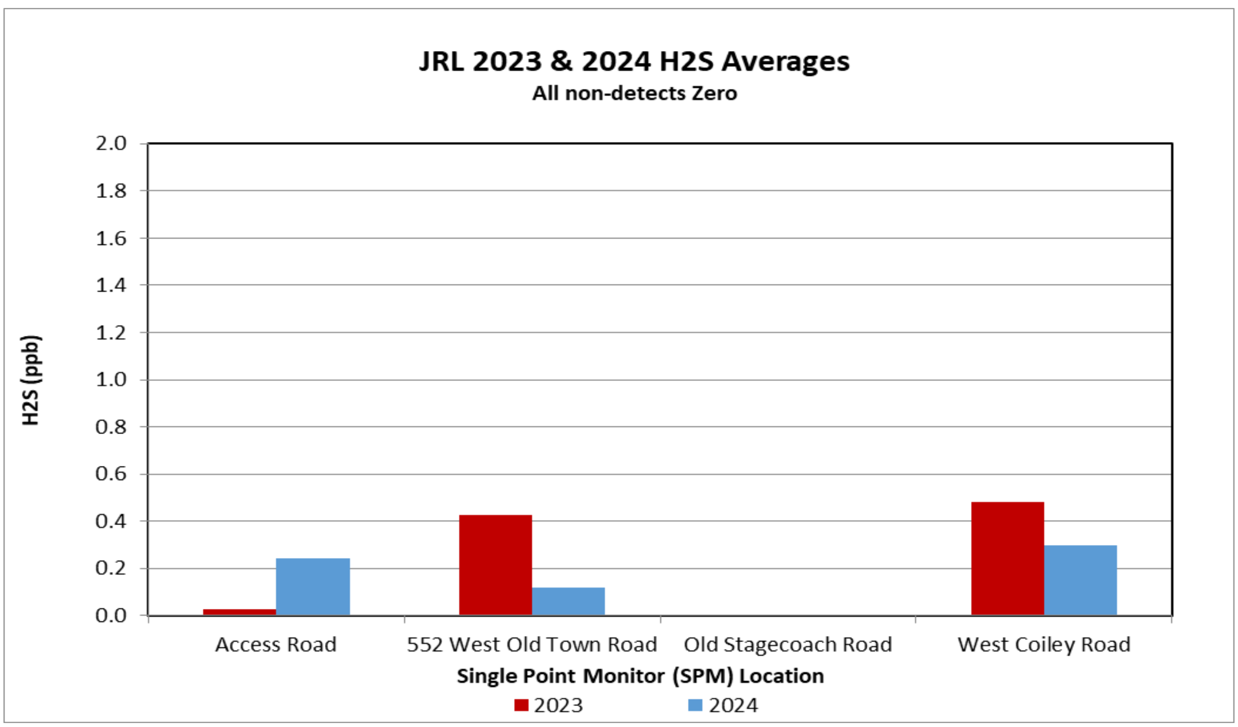

Figure 2-1 Annual Avg. H_2S readings at all four SPM locations, 2023 & 2024

In addition, the annual average H_2S values at these meters were also calculated using the most recent local wind direction and duration data from the Bangor International Airport Weather Station. Non-detect readings were replaced with a conservative estimate of half the detection limit of the SPM's, 1 ppb, for the percentage of time wind was in the direction of each meter, along with half of the total calm wind rose data. This data evaluation technique was developed in cooperation with the City of Old Town during the review of the JRL Expansion Application. These results are also presented in Table 2-1 and shown in Figure 2-2.

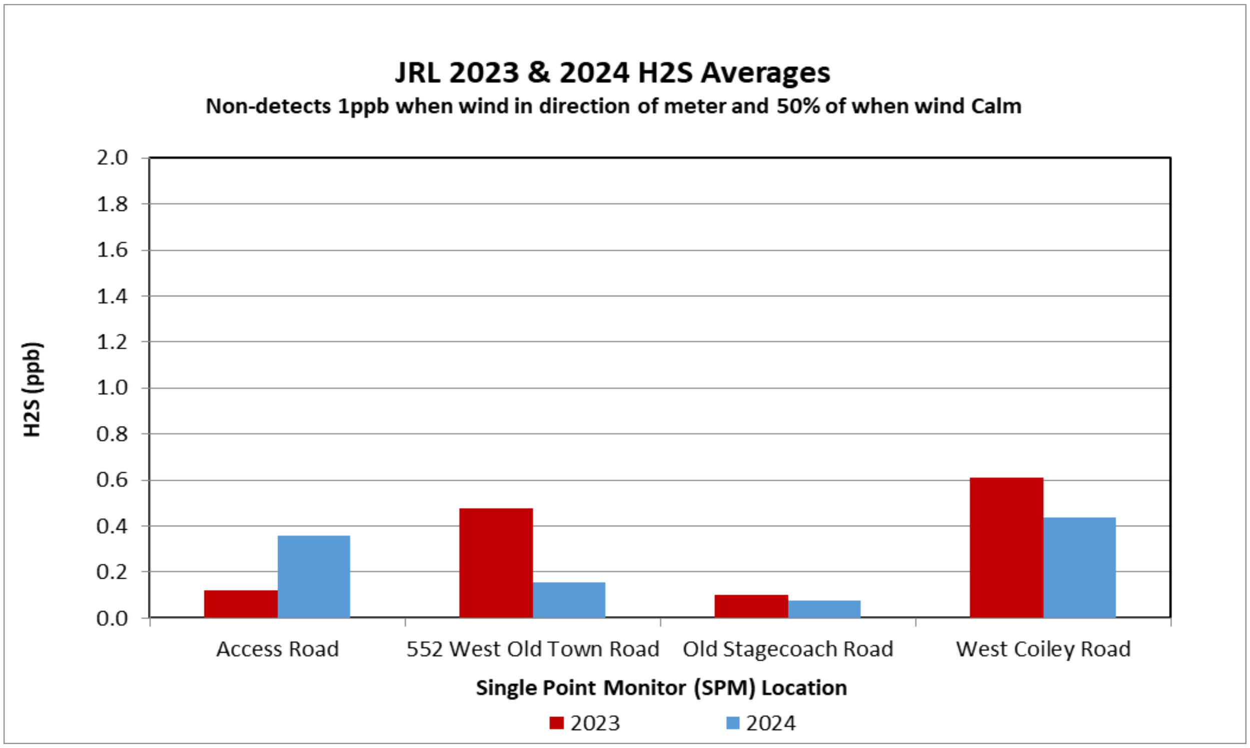

Figure 2-2 Annual Avg. H_2S readings at all four SPM locations with percentages of non-detects at 1 ppb based on wind rose data, 2023 & 2024

When comparing the 2023 and 2024 Annual SPM H_2S averages of the four SPMs located around JRL, three of four SPMs saw a decrease during 2024. This was likely attributed to improvements made to the gas collection system and the installation of the Stage 2 Final Cover system. Overall, the average off-site H_2S levels remained very low during both 2023 and 2024. Monthly average H_2S calculated values for each location are shown in Figures 2-3 through 2-6 and should be used for comparative analysis only due to their low averages, below the quantitative and detection limits of the instruments. These averages were plotted via a simple average of the monthly readings, non-detect (zero) readings were not edited.

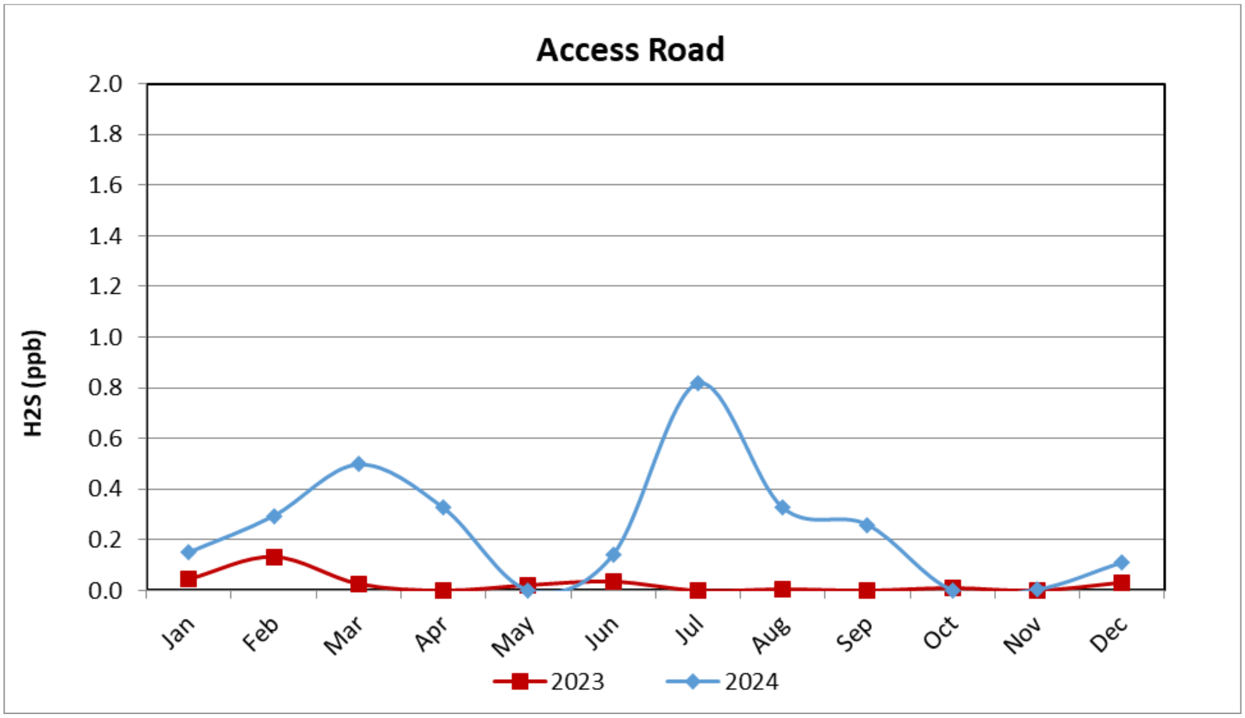

Figure 2-3 Monthly Avg. H_2S readings at the Access Road SPM, 2023 & 2024

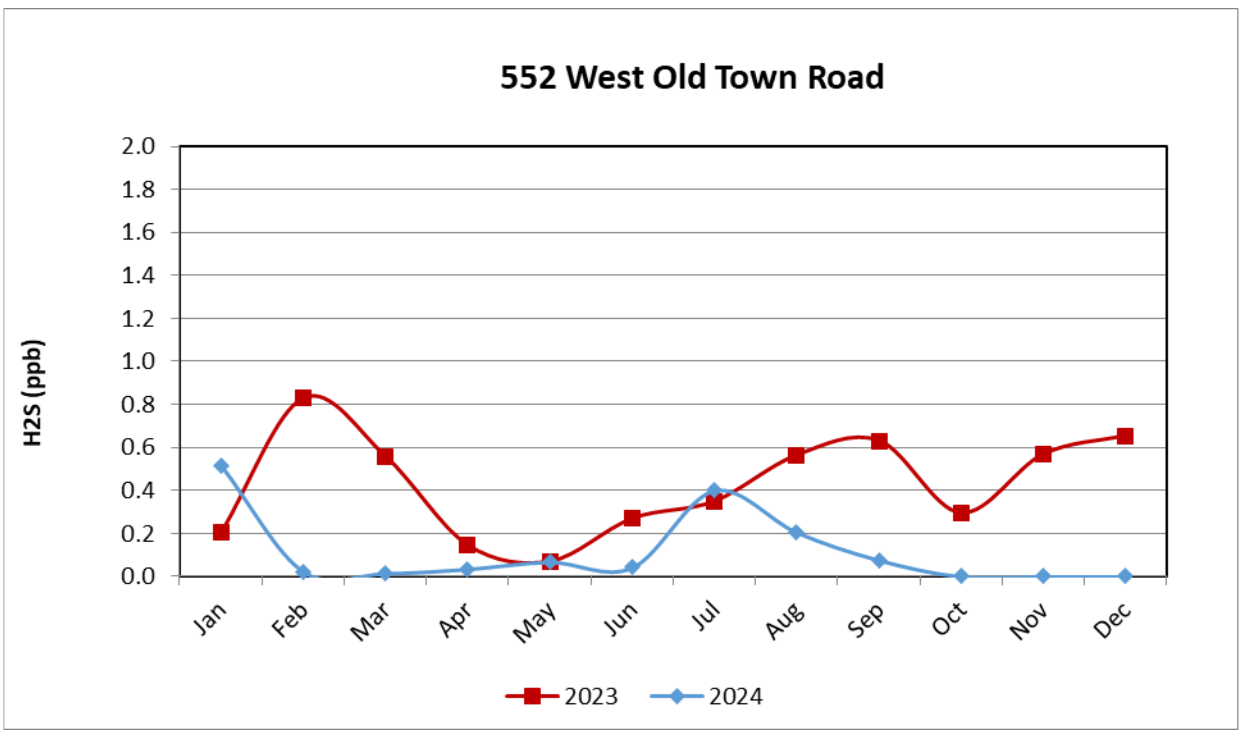

Figure 2-4 Monthly Avg. H_2S readings at the 552 West Old Town Road SPM, 2023 & 2024

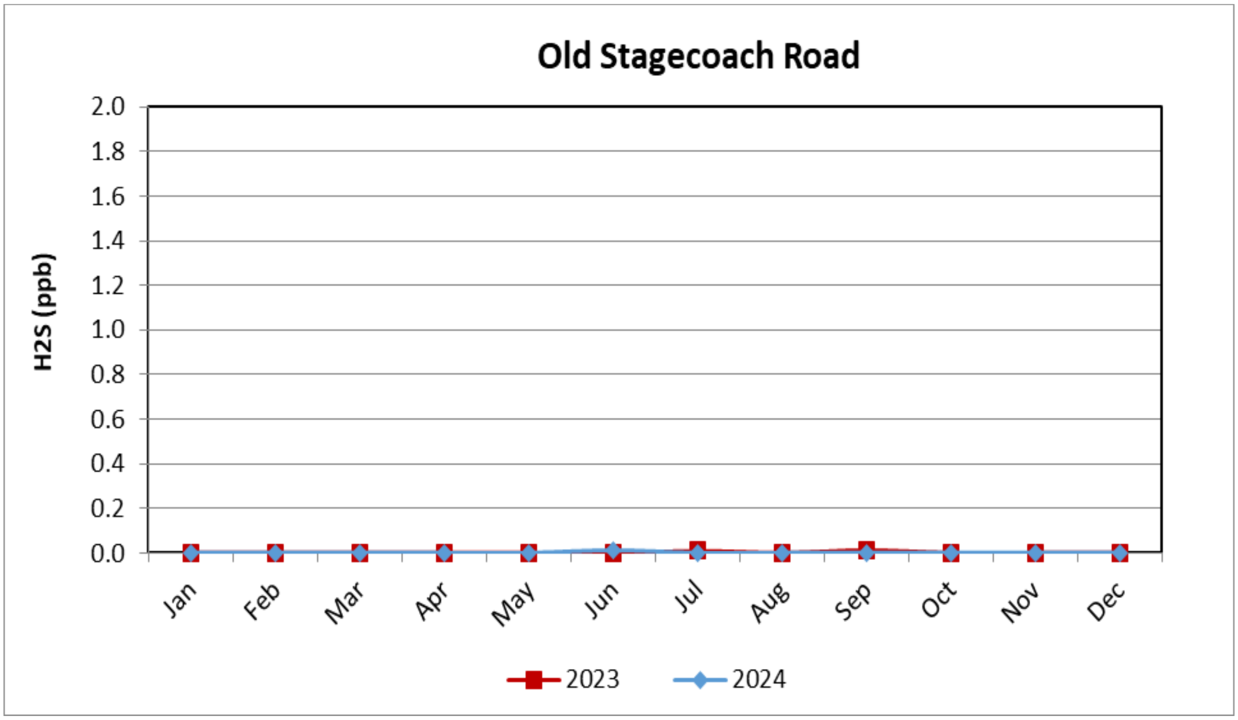

Figure 2-5 Monthly Avg. H_2S readings at the Old Stagecoach Road SPM, 2023 & 2024

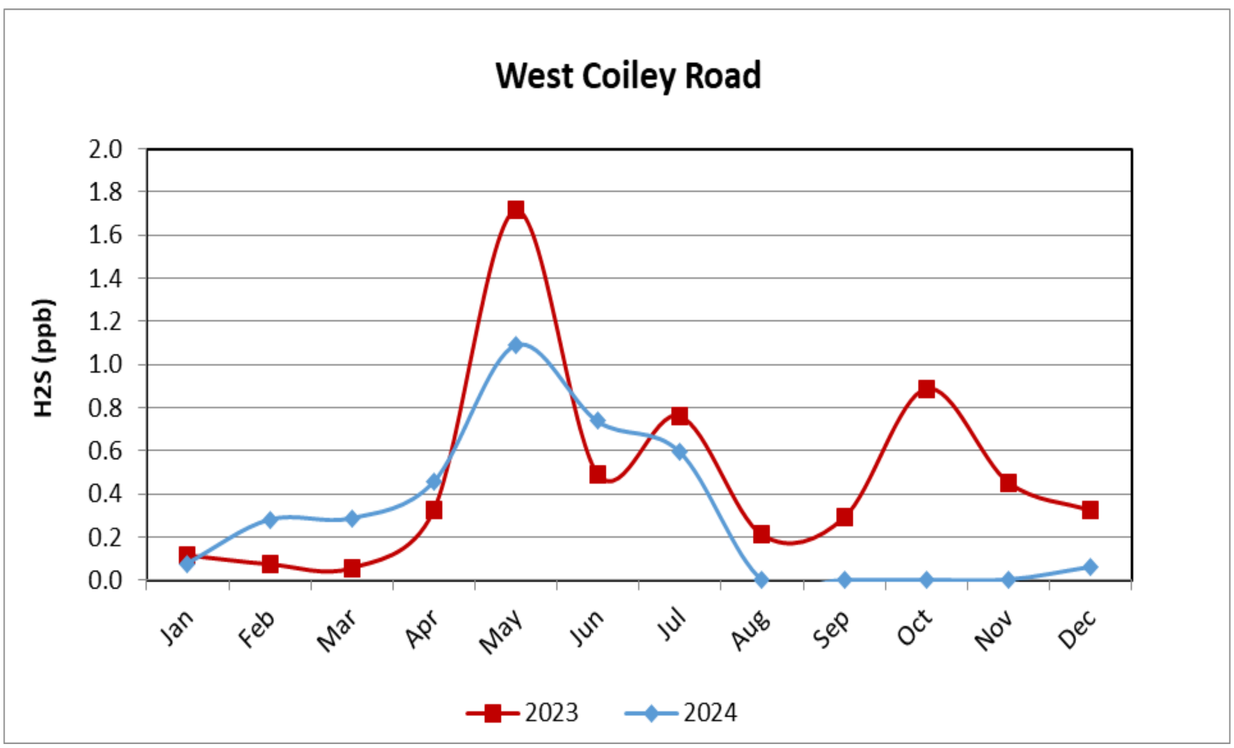

Figure 2-6 Monthly Avg. H_2S readings at the West Coiley Road SPM, 2023 & 2024

Instantaneous peak readings were identified during 2023 and 2024, to determine if any short duration H_2S episodes occurred. They are provided below in Table 2-2.

Table 2-2 Annual highest two readings at each SPM, 2023 & 2024

Juniper Ridge Landfill					
Hydrogen Sulfide Single Point Monitor					
Highest Two Annual Readings					
Year	Location	Date	Highest Reading (ppb)	Date	2nd Highest Reading (ppb)
2023	Access Road	12/24/2023 18:26	12.46	12/24/2023 18:11	12.35
2023	552 West Old Town Road	12/1/2023 20:55	28.70	10/11/2023 8:53	25.25
2023	Old Stagecoach Road	9/16/2023 16:38	18.02	9/16/2023 16:23	17.91
2023	West Coiley Road	11/18/2023 19:07	8.23	12/6/2023 18:07	8.12
2024	Access Road	6/27/2024 9:01	20.39	1/2/2024 23:19	18.91
2024	552 West Old Town Road	1/13/2024 12:40	19.25	1/13/2024 13:10	17.80
2024	Old Stagecoach Road	6/30/2024 5:36	2.22	6/30/2024 6:21	2.22
2024	West Coiley Road	3/14/2024 21:42	10.46	3/28/2024 15:23	10.46

Throughout 2024, there were 7 H_2S readings above 15 ppb at the four off-site SPM's. 4 occurred on the Access Road SPM and 3 at the 552 West Old Town Road SPM. This compares to 20 H_2S readings above 15 ppb (18 of which occurred periodically at the 552 West Old Town Road SPM) during 2023. Occurrences were noted as required in the JRL Monthly Status Reports. Of the 7 H_2S readings, none recorded above 30 ppb requiring Old Town Code Enforcement to be notified. JRL staff took immediate action to get the identified issues resolved.

On-site landfill gas management systems continue to function well in preventing off-site migration of H_2S.

3.0 <u>ODOR COMPLAINTS</u>

Complaints recorded via the 24-hour JRL complaint hotline are provided in Table 3-1 below for 2023 and 2024. During 2024, the JRL complaint hotline received a total of 55 landfill related complaints. All 55 complaints were related to odor. This is an increase from the 49 landfill odor complaints received in 2023. 2024 odor complaints were called in by 18 individuals. This compares to 12 individuals who called in odor complaints in 2023. Of the 55 odor complaints, 46 were confirmed likely to be coming from the landfill. The other 9 odor complaints could not be confirmed. For this reason, it is uncertain if these odor complaints were/weren't landfill related. Detailed complaint logs for all complaints were submitted to the MEDEP as part of the facility's monthly reporting.

1 additional non-enforceable non-landfill related complaint was received during 2024. The complaint was not related to landfill operations and therefore was not included in the 2024 total.

As complaints were called in, site visits were conducted if requested, to allow for complaint validity. Close attention was paid to complaints, which helped determine operational effectiveness of all odor control measures and/or systems. Changes were made to those measures and/or systems as necessary.

Table 3-1 Summary of Complaints at Juniper Ridge Landfill, 2023 & 2024

2023	OBJECT OF COMPLAINT						MONTH TOTAL
MONTH	ODOR	NOISE	LIGHTS	DUST	BIRDS	OTHER	
JAN.	4	0	0	0	0	0	4
FEB.	2	0	0	0	0	0	2
MAR.	1	0	0	0	0	0	1
APR.	0	0	0	0	1	1	2
MAY	0	0	0	0	0	3	3
JUN.	2	2	0	0	0	0	4
JUL.	2	0	0	0	0	0	2
AUG.	1	0	0	0	0	0	1
SEP.	9	0	0	0	0	0	9
OCT.	6	0	0	0	0	0	6
NOV.	6	0	0	0	0	0	6
DEC.	16	0	0	0	0	0	16
TOTALS	***49***	***2***	***0***	***0***	***1***	***4***	***56***

2024	OBJECT OF COMPLAINT						MONTH TOTAL
MONTH	ODOR	NOISE	LIGHTS	DUST	BIRDS	OTHER	
JAN.	11	0	0	0	0	0	11
FEB.	7	0	0	0	0	0	7
MAR.	5	0	0	0	0	0	5
APR.	5	0	0	0	0	0	5
MAY	1	0	0	0	0	0	1
JUN.	6	0	0	0	0	0	6
JUL.	6	0	0	0	0	0	6
AUG.	1	0	0	0	0	0	1
SEP.	4	0	0	0	0	0	4
OCT.	1	0	0	0	0	0	1
NOV.	0	0	0	0	0	0	0
DEC.	8	0	0	0	0	0	8
TOTALS	***55***	***0***	***0***	***0***	***0***	***0***	***55***

4.0 CH$_4$ SURFACE SCANS

Landfill methane (CH_4) emission surface scans are performed to determine the effectiveness of intermediate landfill cover and landfill gas collections systems in controlling landfill gas migration. Quarterly surface scans were completed on the landfill intermediate cover at JRL during 2024 in accordance with the JRL Operations Manual and the requirements of the New Source Performance Standards (NSPS) for municipal solid waste (MSW) landfills contained in 40 Code of Federal Regulations (CFR) Part 60, Subpart XXX. Copies of the 2024 surface scans are kept on file with recordkeeping assistance managed by Sanborn Head and Associates.

Surface scans were completed in general accordance with the procedures outlined in NSPS, specifically Section 60.763(d) which states that each owner or operator of an MSW landfill with a gas collection and control system shall: *"Operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator must conduct surface testing using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in § 60.765(d). The owner or operator must conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at no more than 30-meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover and all cover penetrations. Thus, the owner or operator must monitor any openings that are within an area of the landfill where waste has been placed and a gas collection system is required. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan must be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing."*

Surface scans were completed using a Micro FID® (flame ionizing detector) or similar device (Inficon IRwin®). The Micro FID® device has a detection limit of 0.5 parts per million (ppm) and a concentration range of 0.5 to 50,000 ppm, while the Inficon IRwin® has a concentration range of 1 ppm to 100% methane.

During 2024, a total of 23 readings above 500 ppm were detected during initial quarterly surface scans. This compares to 9 readings above 500 ppm which were detected in 2023. Follow-up scans at 10 days and 30 days were performed in accordance with NSPS Rules.

Below in Table 4-1, is a quarterly breakdown of readings above 500 ppm discovered during CH4 Surface Scans in 2023 and 2024.

Table 4-1 Readings above 500 ppm found during CH_4 Surface Scans, 2023 & 2024

Surface Scan Readings above 500 ppm					
	Q1	Q2	Q3	Q4	TOTAL
2023	1	3	0	5	9
2024	0	7	8	8	23

Once quarterly scans were performed, locations of readings above 500 ppm were documented and with copies provided to the site supervisor. Corrective actions were made by JRL staff on any initial readings in excess of 500 ppm, or any subsequent reading in excess of 500 ppm.

All areas with readings discovered above 500ppm during quarterly scans were resolved. Follow-up scans were completed as required in accordance to NSPS Rules. These results demonstrate the effectiveness of the synthetic and soil cover systems. Damage to gas piping cover boots and areas requiring more intermediate cover, were the primary causes of readings above 500 ppm in 2024. Some items were addressed immediately and others as soon as practical.

5.0 SUMMARY

Two types of air monitoring activities occurred at the Juniper Ridge Landfill (JRL) during 2024; (1) hydrogen sulfide H_2S monitoring with stationary continuous monitors and, (2) quarterly methane emission surface scans on the landfill intermediate cover.

When comparing the 2023 and 2024 Annual SPM H_2S averages of the four SPMs located around JRL, three of four SPMs saw a decrease during 2024. This was likely attributed to improvements made to the gas collection system and the installation of the Stage 2 Final Cover system. Overall, the average off-site H_2S levels remained very low during both 2023 and 2024.

Throughout 2024, there were 7 H_2S readings above 15 ppb at the four off-site SPM's. 4 occurred on the Access Road SPM and 3 at the 552 West Old Town Road SPM. This compares to 20 H_2S readings above 15 ppb (18 of which occurred periodically at the 552 West Old Town Road SPM) during 2023. Occurrences were noted as required in the JRL Monthly Status Reports. Of the 7 H_2S readings, none recorded above 30 ppb requiring Old Town Code Enforcement to be notified. JRL staff took immediate action to get the identified issues resolved. On-site landfill gas management systems continue to function well in preventing off-site migration of H_2S

During 2024, the JRL complaint hotline received a total of 55 landfill related complaints. All 55 complaints were related to odor. This is an increase from the 49 landfill odor complaints received in 2023.

During 2024, a total of 23 readings above 500 ppm were detected during initial quarterly surface scans. This compares to 9 readings above 500 ppm which were detected in 2023. Follow-up scans at 10 days and 30 days were performed in accordance with NSPS Rules. All areas with readings discovered above 500ppm during quarterly scans were resolved.

ATTACHMENT I

Geotechnical Monitoring Report

RICHARD E. WARDWELL, P.E., Ph.D.
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2024 Annual Geotechnical Landfill Inspection Report
Juniper Ridge Landfill
Old Town, Maine

March 2025

Report to:

BGS/NEWSME Landfill Operations, LLC
Hampden, Maine

Casella Waste Systems, Inc.
Westbrook, Maine

Richard E. Wardwell, P.E., Ph.D.
Lake George, NY 12845

A corporation providing hydrogeotechnical consulting services for engineering and environmental applications.

EXECUTIVE SUMMARY

This 2024 Annual Landfill Geotechnical Monitoring Report for the Juniper Ridge Landfill (JRL) summarizes the geotechnical conditions of the facility over the past year. These conditions were ascertained from monitoring that was performed to assure that the field behavior of the landfill continues to be consistent with parameters and assumptions used in the facility design. This report describes the geotechnical activities performed in accordance with the current Geotechnical Monitoring Plan (Appendix N of the Operations Manual) and Stability and Settlement Monitoring Plan (Section 3.1.5 of the Design Report), prepared and included as part of the JRL Expansion Application (SME 2015a) for a new solid waste license, as approved by the Board of Environmental Protection under Solid Waste License #S-020700-WD-BI-N and Natural Resources Protection Act #L-19015-TG-D-N dated 06/01/2017.

The geotechnical monitoring at JRL during 2024 emphasized weekly stability and settlement observations of the landfill surface made during operations, and independent geotechnical observations of the landfill surface and slope topography conducted on September 11, 2024. Other specific monitoring activities in 2024 included: (a) comparisons of semi-annual topographic surveys, (b) review of waste types, quantities, and location of waste placement, and (c) evaluation of fluid pressure data measured by an electronic transducers placed on the base of Cells 11 to 15 to indicate the leachate head on the liner and to track whether or not the leachate collection system performance is consistent with design assumptions.

This document supplements previous monitoring reports made through 2010 (REW 2005a, 2006, 2007a, 2008a, 2009, 2010), and subsequent landfill inspection reports from the last twelve years (REW 2011 to 2024). All monitoring data indicates that settlement and stability of the landfill waste is consistent with design parameters and assumptions. Information provided by the Cells 11 to 15 transducers demonstrate that the fluid levels in the leachate collection layer are at minimal levels, verifying that this drainage layer is performing as designed. No changes to the Geotechnical Monitoring Plan are proposed for geotechnical monitoring during 2025.

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2024 Annual Landfill Geotechnical Monitoring Report
Juniper Ridge Landfill Facility
Old Town, Maine

1. INTRODUCTION

This 2024 Annual Landfill Geotechnical Monitoring Report has been prepared for the State of Maine's Juniper Ridge Landfill (JRL), a facility that is owned by the State of Maine Bureau of General Services (BGS) and operated by NEWSME Landfill Operations, LLC. (NEWSME), a subsidiary of Casella Waste Systems Inc. (CWSI). The landfill site plan (Figure 1), is based on an aerial topographic survey performed on May 21, 2024.

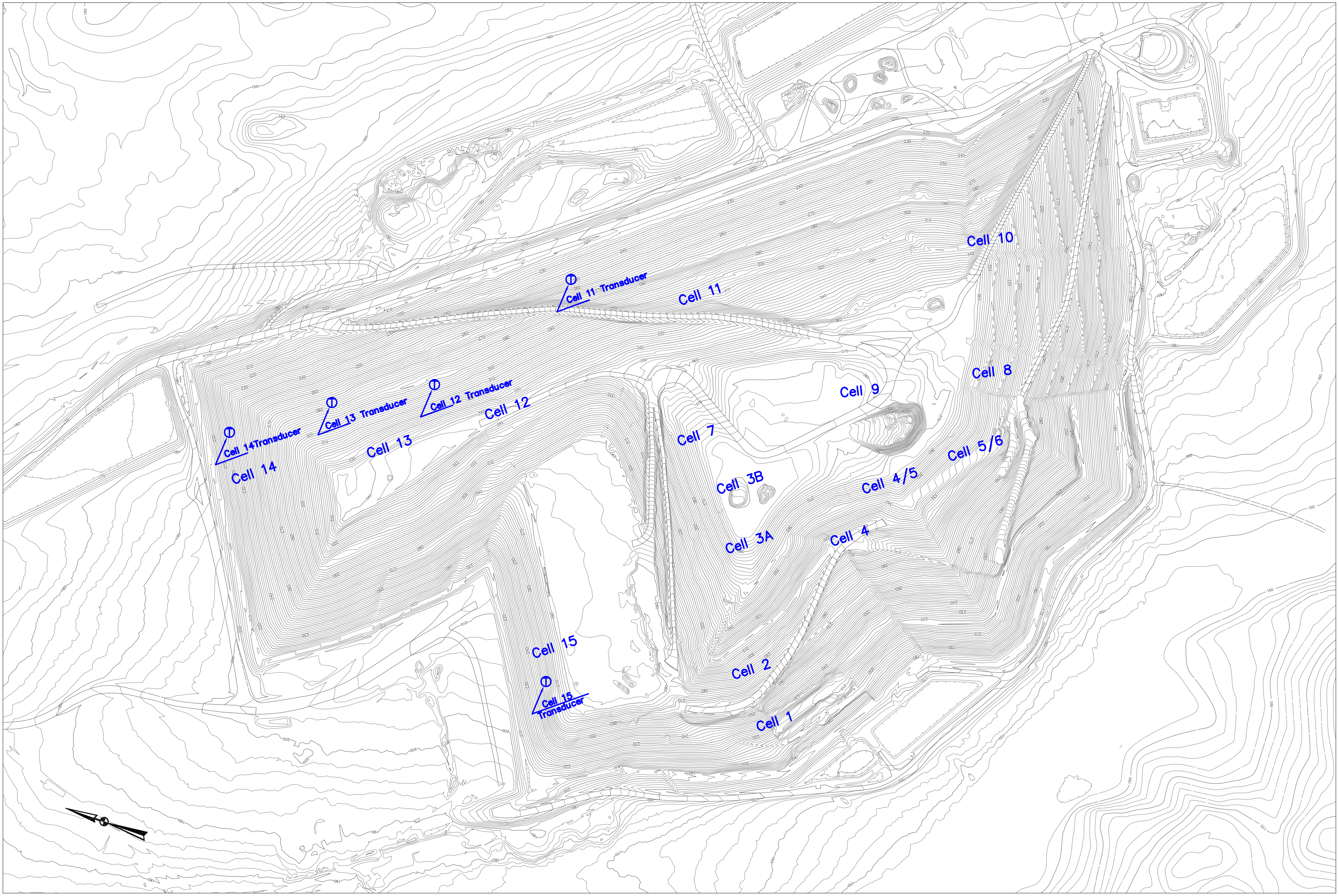
This report describes the geotechnical activities performed in accordance with the current Geotechnical Monitoring Plan (Appendix N of the Operations Manual) and Stability and Settlement Monitoring Plan (Section 3.1.5 of the Design Report), prepared and included as part of the JRL Expansion Application (SME 2015a,b) for a new solid waste license, as approved by the Board of Environmental Protection under Solid Waste License #S-020700-WD-BI-N and Natural Resources Protection Act #L-19015-TG-D-N dated 06/01/2017. This report presents the results of this monitoring that verifies the consistency of the landfill's geotechnical performance with design parameters and assumptions, and with the goals of the JRL Expansion Operations Manual (NEWSME 2024).

2. HISTORY OF LANDFILL DEVELOPMENT & MONITORING

JRL was initially developed by Fort James Operating Company (FJC), a subsidiary of Georgia-Pacific Corporation, for its private use in the disposal of treatment plant sludges and other wastes from its mill in Old Town, Maine. In 2004, the State of Maine, through the State Planning Office (SPO), agreed to purchase the landfill for disposal of other approved in-state wastes including: construction and demolition debris (CDD), oversized bulky waste (OBW), front end processing residue (FEPR), ash from waste incinerators, other ashes from industrial incinerators, bypass municipal solid waste (bypass MSW), and other miscellaneous wastes. This section discusses the history of landfill development at the site.

2.1 Fort James Operation

Approximately 68 acres of a 780-acre property was licensed by FJC as a secure landfill, and operated by FJC from 1996 until 2004 when the State of Maine purchased the landfill. During this period, JRL, then called the West Old Town Landfill (WOTL), was used mainly for disposal of combined sludge from FJC's primary and secondary treatment plant in Old Town and fly ash from a biomass boiler at Eastern Paper's mill in Lincoln. Placement of the sludge began in December 1996 along the western portion of Cell 1. By 2001, operations had moved to the eastern portion of Cell 2. Details relating to the geotechnical behavior of FJC's sludge during the sequential landfill development is presented in previous reports (REW 2007a,b).



(ref: 05/21/24 aerial topographic survey)

Figure No: 1	Project No: 1751	Title: Site Plan Juniper Ridge Landfill	By: REW	Richard E. Wardwell, P.E., Ph.D. Geotechnical & Groundwater Engineering 19 Old Lake Road Lake George, NY 12845
			Checked: REW	
		Project: 2024 Annual Landfill Geotechnical Monitoiring Report	Date: March 2025	
		Client: State of Maine BGS/NEWSME Landfill Operations LLC, Old Town, Maine	Scale: ~1" = 375'	

2.2 State of Maine Purchase and Operations

In February 2004, the State of Maine, through the SPO, purchased the landfill from FJC. It selected CWSI through its subsidiary NEWSME, to operate the disposal of in-state wastes. Approximately 50,000 tons of sludge from FJC's Old Town mill were initially placed in landfill Cells 1 & 2 before the mill closed in 2006. To improve deposit stability, CWSI stabilized the existing sludge at the site by mixing it with approved in-state waste streams, i.e. CDD, OBW, FEPR, incinerator ash, bypass MSW, and other miscellaneous wastes. A detailed description of the test plots constructed to determine the geotechnical behavior of this waste and the sludge stabilization program were presented in previous annual monitoring reports (REW 2005a, 2006, 2007a, 2008a, 2009, 2010, 2011) and an annual geotechnical landfill inspection report (REW 2012).

Once the sludge stabilization program was completed by mid-2006, landfill operations moved into Cell 3A/B, followed sequentially with Cells 4-10 under MEDEP Solid Waste License #S-020700-WD-N-A. Deposited in these cells was a mixture of in-state wastes, which included but not limited to various percentages of CDD, MSW (Cells 3-10 only), bypass MSW, OBW, MSW incinerator ash and other ashes, CDD wood fines for cover, contaminated soils, WWTP/POTW sludge, lime mud and grit, oil spill debris, pulp mill waste, other approved miscellaneous special wastes.

In mid-2015, with the help of SME, BGS/NEWSME submitted JRL Expansion Application (SME 2015a,b) to the MEDEP. On June 6, 2017, that application was approved by the BEP under Solid Waste License #S-020700-WD-BI-N and Natural Resources Protection Act #L-19015-TG-D-N. During 2018, the first cell (Cell 11) of a 6-cell, 54 acre landfill expansion was constructed. As a result, a mixture of similar in-state wastes as described above for Cells 3-10, (excluding MSW for Expansion Cells 11-16) was approved. Based on performance to date, this mixture of wastes is stable at slopes up to 2.5H:1V. While the mixture from these waste streams is still highly compressible and subject to gas generation, , the in-state waste mixture is more stable and less compressible than the waste-stabilized sludge based on more than 13 years of operational experience.

2.3 Overview of Past Geotechnical Monitoring

Once the stability of the waste-stabilized sludge was resolved (see MEDEP 2008; REW 2008b; *2008 GMR*, REW 2009; *2010 GMR*, REW 2011), the previous program (REW 2007b) was modified to represent the monitoring needs associated with current waste mixtures placed in a landfill founded on a firm soil (see *2011 GMR*, REW 2012). Specifically, reliance on the extensive measurements of in-situ instruments was shifted to observation methodologies that are used to assure that the geotechnical performance of the landfill remained consistent with design analyses. This approach has been in service since 2010 and now applied to the most recent GMP included in the JRL Expansion Operations Manual (NEWSME 2024).

3. 2024 WASTE PLACEMENT AND OPERATION

In 2024, a majority of the waste was placed in the landfill capacity of Cell 15 (see Appendix F site photos #24-27, 30, 38). As summarized in Appendix A herein, waste composition during this period was dominated by forms of CDD, bypass MSW, OBW, MSW incinerator ash and other ashes, CDD wood fines for cover, contaminated soils, WWTP/POTW sludge, oil spill debris, pulp mill waste, and other approved miscellaneous special wastes. By mid-year (when the aerial photography was made), approximately 75 feet of waste was placed in Cell 15 raising its grade to an average elevation of approximately 285 ft. mean sea level (msl). During the summer and fall of 2024, waste placement continued into the landfill capacity available in this cell.

The remaining landfill capacity in Cells 1-15 at the end of 2024 is summarized in Appendix B. As the capacity of these cells is exhausted, expansion will continue into landfill cells (i.e. Cells 16 to 17) located north of the existing operations. It is expected that future expansion cells will receive similar types and quantities of wastes placed in previous years during the operation of Cells 11 through 15.

4. 2024 GEOTECHNICAL LANDFILL MONITORING

During 2024, various monitoring was performed at JRL to ensure compliance with JRL's Solid Waste License #S-020700-WD-BI-N and Natural Resources Protection Act #L-19015-TG-D-N. Results of this monitoring verifies the consistency of the landfill's geotechnical performance with design parameters and assumptions, and with the goals of the JRL Expansion Operations Manual (NEWSME 2024). Specifically, geotechnical monitoring during this past year included: (1) visual observation of landfill slope stability, settlement, and general landfill conditions, (2) assessment of site aerial topographic surveys; (3) a review of waste types, quantities, location of waste placement, and filling sequences, and (4) evaluation of fluid levels in the leachate collection layers of Cells 11 to 15.

4.1 Landfill Observations

Performance of JRL in 2024 was verified, in part, by routine weekly visual site inspections of the landfill during normal operations. A sample copy of the weekly/monthly inspection forms is presented in Appendix C (with copies of any specific inspection available upon request). Observations made during these inspections help confirm the corroboration of landfill performance with the design conditions used in the geotechnical analysis. In part, the revised stability and settlement analyses completed for the landfill design (REW 2005b, SME 2015b) were verified in the field by monitoring the type, quantity, rate, location, and condition of waste placement in accordance with the JRL Expansion Operations Manual (NEWSME 2024).

4.2 Annual Inspection

To supplement weekly operational observations, an annual geotechnical inspection of the landfill area (performed on September 11, 2024) focused on the overall condition of the landfill that specifically looked for evidence of cracking, localized depressions, erosion, leachate breakout on sideslopes, areas of ponded water, stressed vegetation, and toe heaving. As previously mentioned, normal operations were taking place in Cell 15. Synthetic Intermediate Cover Material (SICM) and, in small areas, earthen intermediate cover has been placed over the inactive portions of the landfill (see photos # 1, 2, 22, 30-38).

Geotechnical observations were made to confirm that waste placement procedures, sideslope construction, cover performance, and other construction/filling practices are consistent with the JRL Expansion Operations Manual (NEWSME 2024). An observation report, using the checklist presented in the current GMP, was filled out and is included in Appendix D of this report.

Inspection elements for assessment of geotechnical performance included:

Active Areas
- waste lift thickness
- active filling area slope angle
- final waste slope angle
- identification of areas with visible ponding, seepage, or indications of mass snow burial

Inactive Areas with Intermediate Cover (SICM or earthen material)
- overall surface and/or intermediate cover condition
- evidence of surface cracking
- localized surficial depressions in waste or cover surface
- erosion of cover material
- erosion of ditch linings
- leachate breakout on sideslopes
- areas of ponded water
- toe heaving
- grass kills
- gas venting

Geotechnical performance observations indicated that the landfill slopes were stable and that differential waste settlement was minor and can be managed to tolerable levels during final cover design. The active waste placement in Cell 15 is performing as anticipated. At the time of the inspection, there were no indications of inconsistencies between site activities and JRL Expansion Operations Manual (NEWSME 2024).

4.3 Fluid Pressure Measurements

In accordance with the Board Order for the landfill expansion, a fluid pressure transducer was installed in the leachate collection layer of Cells 11 to 15 (at the locations shown on Figure 1) to confirm system design by measuring fluid levels in this drainage layer. These instruments were placed at the bottom of the 12-inch sand layer of the leachate collection system that overlies the geocomposite layer of the containment liner.

To help determine the degree that the hydraulic head within the leachate collection layer is minimized, daily instrument readings were recorded during 2024 as presented in Appendix E. The small values demonstrate that the levels are minimal, verifying that the leachate collection at these locations in Cell 11 to 15 are performing in accordance with design.

4.4 Surveys

A topographic survey of the landfill surface was completed on May 21, 2024 using aerial photogrammetric methods. A spot check of surface elevations indicates that the waste slope angles are consistent with the project design and JRL Expansion Operations Manual (NEWSME 2024). Elevation contours for covered areas were visually examined for depressions, heaving, and ditch slope continuity. Consistent with site observations, these observations indicate that the landfill is performing as anticipated during design with no noticeable excessive differential settlements or instabilities. Exclusive of the excavation area in Cells 1 & 2, comparisons with the aerial survey made in May 2024 show no discernable differences in the overall topography of the landfill surface that would indicate large differential settlements or slope instabilities.

4.5 Modifications to the Geotechnical Monitoring Plan

As addressed the last three years, the current GMP (included as part of the JRL Expansion Operations Manual, NEWSME 2024), includes weekly routine inspections and an evaluation of fluid levels in the leachate collection layer of JRL expansion cells (i.e. Cells 11 to 16). No other modifications to the GMP are proposed for 2025.

5. SUMMARY

Geotechnical monitoring of JRL was performed to verify that the operations and field behavior of the facility is consistent with design analyses and geotechnical plans. Consistent with the modifications in 2008 and 2010, field observations of landfill activities were emphasized in assuring consistency with the JRL Expansion Operations Manual (NEWSME 2024) and, in the process, confirmed that there were no indications of potential slope instabilities or excessive differential settlements that might impact the performance of the facility.

In accordance with the current GMP (which is included as part of the JRL Expansion Operations Manual, NEWSME 2024), routine weekly visual site inspections of the landfill were made during normal operations in 2024. In addition, an aerial topographic survey of the facility was conducted on May 21, 2024, and an annual geotechnical inspection was performed on September 11, 2024. This monitoring documented that the landfill is performing as anticipated with no excessive deformations, slope movements, unexplained ponded water, or leachate breakouts. Site observations made of both the inactive and operational areas indicate that the landfill is performing as anticipated during design. Measurements of the fluid levels in the leachate collection system at the base of Cells 11 to 15 (as measured by the in-place transducers) indicate that the head on the liner system is minimal and is performing in accordance with design.

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APPENDIX A

Summary of Wastes Accepted at Juniper Ridge Landfill Report 2024

Summary of Wastes Accepted at Juniper Ridge Landfill Report Year 2024				
Waste Type #	**Waste Types**	**Total (tons)**	**Origin**	**% Total Waste**
1	Bypass MSW	300,835	Maine	37.8
2	CDD/MSW Processing Residue - OBW (Disposed of in the Original 2004 Permitted Footprint)	5,286	Maine	0.7
3	CDD/MSW Processing Residue - OBW (Disposed of in the Expansion Permitted Footprint)[4]	41,808	Maine	5.3
4	CDD Processing Residue - Fines[1]	36,169	Maine	4.5
5	Mixed CDD	311,698	Maine	39.2
6	Recycled/Reused Wood from CDD[2]	301	Maine	0.0
7	Residue/Trash from Single Stream	5,958	Maine	0.7
	Special Wastes Types			
8	Burn Pile Ash and/or Hot Loads Area Ash	596	Maine	0.1
9	Burnt Structure Debris/Ash	435	Maine	0.1
10	Catch Basin Grit & Street Sweeping	598	Maine	0.1
11	Coal, Oil & Multi-fuel Boiler Ash	34	Maine	0.0
12	Contaminated Soil & Debris	13,831	Maine	1.7
13	Dredged Spoils	1,243	Maine	0.2
14	Industrial (Miscellaneous)	136	Maine	0.0
15	Industrial WWTP Sludge	220	Maine	0.0
16	Leather Scraps	51	Maine	0.0
17	MSW Incinerator Ash	158	Maine	0.0
18	Municipal WWTP/POTW Sludge	63,054	Maine	7.9
19	Non-Friable Asbestos	6,727	Maine	0.8
20	Non-Hazardous Chemical Related	1,215	Maine	0.2
21	Oil Spill Debris	3,424	Maine	0.4
22	Polyethylene & Cellulose Trimmings	101	Maine	0.0
23	Sandblast Grit	176	Maine	0.0
24	Spoiled Foods	75	Maine	0.0
25	Sulfur Scrubbing Residues	668	Maine	0.1
26	Water/Air Filtration Media	30	Maine	0.0
27	WWTP Grit Screenings	718	Maine	0.1
SUBTOTAL WASTE TYPES 1-7		702,055	Maine	88.2
SUBTOTAL WASTE TYPES 8-27		93,489	Maine	11.8
GRAND TOTAL WASTE RECEIVED[3]		**795,544**	Maine	

1. *Materials recycled/reused as alternative daily cover (ADC).*

2. *Wood from CDD was received at the Juniper Ridge Landfill wood storage facility then chipped and recycled/reused as ADC.*

3. *Total does not include construction materials. In 2024, 61,299.73 tons of Construction Fines were delivered from Resource in Lewiston. These fines were manufactured to meet construction specifications for the Stage 1 Final Cover and side slope grading requirements prior to installing synthetic intermediate cover. Total derived from sum of higher significant digit numbers, not rounded whole numbers as provided in the above table.*

4. *The previous limit of 65,000 tons per year, set by expansion license #S-020700-WD-BI-N, was modified through solid waste minor revision #S-020700-WD-CM-M. The minor revision approved the methodology and process used to determine JRL's annual OBW limit of 85,000 tons in the Expansion area for 2024. The approval was granted on 04-16-24.*

APPENDIX B

JRL Estimate of Landfill Capacity December 31, 2024

Juniper Ridge Landfill
Estimate of Remaining Capacity as of December 31, 2024

	Values	Units	Source	
Landfill Capacity Remaining in Cells 1-10 as of December 31, 2023	502,983	cy	Calculated 2023 capacity Year-End	MSE Berm used for final waste surface for Cells 1-10 as permitted
Landfill Capacity Remaining in Cells 11-17 as of December 31, 2023	4,853,414	cy	Calculated 2023 capacity Year-End	
Remaining Site Capacity as of May 21, 2024 in landfill Cells 1-10	303,400	cy	May 21, 2024 Site Survey	MSEBerm used for final waste surface for Cells 1-10
Remaining Site Capacity as of May 21, 2024 in Expansion Cells 11 thru 17	4,725,100	cy	May 21, 2024 Site Survey	
Tons Placed in Landfill Cells 1-10 (tons) between May 21, 2024 and December 31, 2024.	17,512	tons	JRL Records	Wendy Plissey 02-13-2024
Tons Placed in Expansion Landfill Cells 11-17 (tons) between May 21, 2024 and December 31, 2024.	532,901	tons	JRL Records	Wendy Plissey 02-13-2024
Compaction Factor Three Year Running Average through May 2024	0.78	ton/cy	JRL 2024 Air Space Report	
Calculated Capacity Used in Cells 1-10 between May 21, 2024 and December 31, 2024 (CY)	22,451	cy	Calculation	
Calculated Capacity Used in Cells 1-10 in 2024	222,034	cy	Calculation;	
Compaction Factor used in Cells 11-17 between May 21, 2024 and December 31,2024	0.78	ton/cy	JRL 2024 Air Space Report	
Calculated Capacity Used in Cells 11-17 between May 21, 2024 and December 31, 2024 (CY)	683,206	cy	Calculation	
Calculated Capacity Used in Cells 11-17 in 2024	811,520	cy	Calculation	
Estimated Remaining Cell 1 thru Cell 10 Capacity as of December 31, 2024	**280,949**	**cy**	Calculation	Includes MSE Berm Capacity
Estimated Remaining Cell 1 thru Cell 16 Capacity as of December 31, 2024	**2,696,843**	**cy**	Calculation	Based on Cell 1 thru 16 Capacity Remaining reported as of 5-21-2024 minus capacity consumed to end of 2024.
Estimated Remaining Site Capacity in Cells 11-17 as of December 31, 2024	**4,041,894**	**cy**	Calculation	
Tons Disposed of in Landfill Cells 1 thru 10	**64,670**	**Tons**	Provided by JRL	
Tons Disposed of in Landfill Cells 11 thru 15	**730,874**	**Tons**	Provided by JRL	Provided by NEWSME Cell 16 not included. No waste was placed in Cell 16. Does not include purchased construction materials.
Total Reported Tons Disposed of in Entire Landfill Cells 1 thru 15	**795,544**	**Tons**	Provided by JRL	

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2/5/2025, SME

Appendix C

Weekly/Monthly Landfill Inspection Form

WEEKLY/MONTHLY INSPECTION FORM

Site Name/Company	Juniper Ridge Landfill/NEWSME Landfill Operations, LLC
Location	2828 Bennoch Road, Alton, Maine
Date of Visit	4-23-24
Inspector Name/Signature	Brandon Bieda / Brandon Bieda

Note: For weekly inspections, only Table 1 and Table 3 need to be completed. For monthly inspections, Tables 1, 2 and 3 need to be completed.

Table 1
Inspection of Active Areas at the Facility

Active Areas at the Facility			
Leachate	Is leachate observed on the ground, or leaking from tanks or piping, with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
Access Roads	Are industrial materials, residue or trash observed on roads where vehicles enter or exit the active landfill with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
MSW and CDD (windblown debris)	Is MSW and/or CDD on ground, tracking, blowing or whirling with evidence of or the potential to impact stormwater?	☐ Yes ☐ No	☑ Comments (see below)
Borrow Pit	Is there evidence of tracking or erosion from site soil borrow areas with potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
Mobile Equipment	Is mobile equipment leaking oil or other liquids with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)

Active Areas at the Facility	
Comments	- mild windblown litter, Pickers are on site at time of inspection 04-25-24 See Corrective Action report 04-08-24

Table 2
Inspection of Stabilized Areas at the Facility

Stabilized Active Areas at the Facility			
Leachate	Is leachate observed on the ground, or leaking from tanks or piping, with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
Access Roads	Are industrial materials, residue or trash observed on roads where vehicles enter or exit the active landfill with evidence of or the potential to impact stormwater?	☐ Yes ☑ No	☐ Comments (see below)
MSW and CDD (windblown debris)	Is MSW and/or CDD on ground, tracking, blowing or whirling with evidence of or the potential to impact stormwater?	☐ Yes ☐ No	☑ Comments (see below)
Comments	- mild windblown litter, Pickers on site at time of inspection 04-28-24 See corrective Action Report 04-08-24		

Table 3
Inspection of Stormwater BMPs, Conveyances and Outfalls

BMP	Describe where any of the following were observed: • Any evidence that the BMP is not functioning properly.
Detention Pond 1	Fuctioning Properly
Geomembrane Lined Storage Pond	Functioning Properly (Not currently flowing into pond 1)
Detention Pond 2	Functioning Properly
Detention Pond 6	Functioning Properly
Litter Fence	Functioning Properly
Lechate Storage Tank Containment Area	Functioning Properly, Checked plugs on lechate tank
Leachate Storage Tank Containment Area Riprap Outlet	Functioning Properly
Leachate Loading Rack Catch Basin	Functioning Properly
Detention Pond 9	Functioning Properly
2,000-Gallon Underground Storage Tank	Funcioning Properly
Detention Pond 11	Funcioning Properly
RNG Facility Stormwater Pond	Functioning Properly
Detention Pond 10	Functioning Properly

Table 3
Inspection of Stormwater BMPs, Conveyances and Outfalls

BMP	Describe where any of the following were observed: o Any evidence that the BMP is not functioning properly.
Outfall No. 1	Functioning Properly, Slight flow (clear)
Outfall No. 2	Functioning Properly, No Flow
Outfall No. 4	Functioning Properly, Flowing Clear
Outfall No. 5	Functioning Properly, Flowing Clear
Outfall No. 6	Functioning Properly, No Flow
Outfall No. 7	Functioning Properly, Flowing Clear

Table 4
New Potential Pollutant Source and/or Recommendations for Additional BMPs

Reference	Description	Schedule

Certification

- ☒ Site is in compliance with SWPPP and MSGP.
- ☐ Site is not in compliance with SWPPP and MSGP and either structural control measure maintenance, additional controls, or modifications to the SWPPP are required.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	
Name: Jeffrey Pelletier	**Telephone:** 207-249-8025
Signature:	**Date:** 04-26-24

ROUTINE INSPECTION REPORT

Site Name/Company	Juniper Ridge Landfill/NEWSME Landfill Operations, LLC
Location	2828 Bennoch Road, Alton, Maine
Date of Visit	5/23/2024
Inspector Name/Signature	Luigi Pizzuti and Jeffrey Pelletier
Weather	67° Cloudy and raining

Does this inspection qualify as the one required annual inspection conducted during qualifying storm event? ☒ Yes ☐ No

Are there any new discharges or pollutants at the site? ☐ Yes ☒ No

Table 1
Inspection of Potential Pollutant Sources (PPS)

	Description
Industrial Activity or Area	Describe where any of the following were observed: • Any discharges present at the time of inspection; • Any evidence of pollutants entering the drain system or outfalls; • The condition of the outfalls, including any restricted flow; • Industrial materials, residue or trash on the ground; • Leaks or spills from industrial equipment, drums, barrels, tanks or other containers; • Offsite tracking of industrial or waste materials or sediment; and • Tracking or blowing of raw, final, or waste materials.
Scale House and Scale	Some dirt buildup under scales continue to monitor
Soil Stockpile Areas	erosion/sedimentation berms installed / no issues
Borrow Pit	No issues
Wood Waste Handling Area	No issues
Maintenance Building	No spills existing building may need another spill containment pallet for drums.

Table 1
Inspection of Potential Pollutant Sources (PPS)

Rubb Building	No issues
LFG Treatment Facility	No issues
RNG Facility	No issues
Leachate Storage Tank	No issues / plugs pulled - no liquid
Leachate Loading Rack	No issues
Leachate Collection System	No leaks found
Gravel Laydown Area	No issues
Employee Parking Area	No issues
1,500-Gallon Gasoline Tank	No leaks found
2,500-Gallon Diesel Delivery Truck	No leaks found
Access Roads	litter picked - dusty near landfill access road

Table 2
Inspection of Structural Control Measures and Outfalls

BMP	Describe where any of the following were observed: • Any evidence that the BMP is not functioning properly; • Any evidence of erosion; and • Industrial materials, residue, or trash.
Detention Pond 1	Functioning properly
Geomembrane Lined Storage Pond	Functioning properly
Detention Pond 2	Functioning properly
Detention Pond 6	Functioning properly
Litter Fence	Cell 15 - okay, East side needs some repairs
Leachate Storage Tank Containment Area	Functioning properly
Leachate Storage Tank Containment Area Riprap Outlet	Functioning properly
Leachate Loading Rack Catch Basin	Functioning properly
Detention Pond 9	Functioning properly
2,000-Gallon Underground Storage Tank	Functioning properly
Detention Pond 10	Functioning properly
Detention Pond 11	Functioning properly
RNG Facility Stormwater Pond	Functioning properly

Table 2
Inspection of Structural Control Measures and Outfalls

Outfall No. 1	Functioning properly
Outfall No. 2	Functioning properly
Outfall No. 4	Functioning properly
Outfall No. 5	Functioning properly
Outfall No. 6	Functioning properly
Outfall No. 7	Functioning properly

Table 3
Corrective Actions Required for PPS(s) and/or Existing Structural Control Measures

Reference	Description/Schedule	Date Completed
East side litter fence	repaired/replaced	8-20-2024

Table 4
Recommendation for New PPS(s) and/or Structural Control Measures

Reference	Description/Schedule	Date Completed

Table 5
Modifications Required to SWPPP or Site Plan

Reference	Description

Certification

☒ Site is in compliance with SWPPP and MSGP. ☐ Site is not in compliance with SWPPP and MSGP and either structural control measure maintenance, additional controls, or modifications to the SWPPP are required.	
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	
Name: Jeffrey Pelletier	**Telephone:** 207-249-8025
Signature:	**Date:** 05-23-24

Appendix D

Checklist: Annual Geotechnical Landfill Inspection

Table D-1
Checklist: Annual Geotechnical Inspection
2024 Annual Geotechnical Landfill Monitoring Report, Juniper Ridge Landfill, Old Town, Maine

Observation Date: 9/11/2024
Monitor Name: Richard E. Wardwell
Weather: sunny, temperatures in low 70's

Observation Area	Sat.	Unsat	Description (location, direction, appearance, etc.)	Proposed Action
Active Area				
location description	-	-	Cell 14 and Cell 15 (photos #24-31);	n/a
slope stability	X			
waste lift thickness	X			
active slope angle	X		~2½:1 to 3:1	
erosion	X		none observed (N/O)	
leachate breakout	X		(N/O)	
ponded water	X		N/O	
toe heaving	X		N/O	
overall condition	X		stable slope appearance	
Inactive Area (Synthetic)			Synthetic Interim Cover Material (SICM) over most slopes	
location description	-	-	except lower west slope	n/a
slope stability	X		isolated surface bulge associated with SICM anchor	
cracking	X		N/O	
erosion	X		N/O	
leachate breakout	X		N/O	
ponded water	X		N/O	
toe heaving	X		N/O	
overall condition	X		stable SICM slope appearance (see Photos #1-5, 19-25,27,30-43,55-60)	
Interim Soil Cover				
location description	-	-	lower westerly slopes	n/a
overall surface conditio	X		good grass/soil cover (see Photos #6-9,12-17,44-51,57,59)	
cracking	X		N/O	
erosion of cover materia	X		N/O	
erosion of ditch linings	X		N/O	
leachate breakout	X		N/O	
ponded water	X		N/O	
toe heaving	X		N/O	
grass kills	X		N/O	
gas venting	X		N/O	
overall condition	X		good stable condition (see Photos #6-9,12-18,20-25,30-44,48-60)	

Appendix E

Cells 11 to 15 Fluid Pressure Data

JRL Cell Floor Transducer Readings Q1-2024											
Date	Cell 11	Cell 12	Cell13	Cell14	Cell15	Date	Cell 11	Cell 12	Cell13	Cell14	Cell15
1/1/2024	0.0396	0.0232	0.0449	0.0000	0.0003	2/16/2024	0.0628	0.0236	0.0493	0.0000	0.1090
1/2/2024	0.0550	0.0233	0.0456	0.0000	0.0003	2/17/2024	0.0697	0.0234	0.0494	0.0000	0.1091
1/3/2024	0.0531	0.0236	0.0459	0.0000	0.0005	2/18/2024	0.0634	0.0227	0.0485	0.0000	0.1094
1/4/2024	0.0505	0.0238	0.0461	0.0000	0.0006	2/19/2024	0.0501	0.0229	0.0484	0.0000	0.1084
1/5/2024	0.0468	0.0235	0.0457	0.0000	0.0002	2/20/2024	0.0511	0.0226	0.0482	0.0000	0.1085
1/6/2024	0.0442	0.0224	0.0447	0.0000	0.0002	2/21/2024	0.0650	0.0234	0.0490	0.0000	0.1092
1/7/2024	0.0591	0.0240	0.0465	0.0000	0.0007	2/22/2024	0.0116	0.0248	0.0509	0.0000	0.1101
1/8/2024	0.0406	0.0227	0.0450	0.0000	0.0003	2/23/2024	0.0622	0.0205	-0.0185	0.0000	0.0336
1/9/2024	0.0576	0.0236	0.0465	0.0000	0.0008	2/24/2024	0.0549	0.0228	0.0493	0.0000	0.1096
1/10/2024	0.0625	0.0261	0.0498	0.0000	0.0021	2/25/2024	0.0600	0.0221	0.0482	0.0000	0.1096
1/11/2024	0.0430	0.0235	0.0463	0.0000	0.0014	2/26/2024	0.0642	0.0235	0.0504	0.0000	0.1103
1/12/2024	0.0464	0.0226	0.0457	0.0000	0.0009	2/27/2024	0.0624	0.0234	0.0502	0.0000	0.1112
1/13/2024	0.0562	0.0242	0.0481	0.0000	0.0011	2/28/2024	0.0711	0.0236	0.0493	0.0000	0.1148
1/14/2024	0.0464	0.0220	0.0445	0.0000	0.0011	2/29/2024	0.0468	0.0204	0.0453	0.0000	0.1096
1/15/2024	0.0468	0.0223	0.0452	0.0000	0.0005	3/1/2024	0.0556	0.0218	0.0473	0.0000	0.1104
1/16/2024	0.0676	0.0252	0.0492	0.0000	0.0006	3/2/2024	0.0705	0.0229	0.0486	0.0000	0.1115
1/17/2024	0.0478	0.0215	0.0448	0.0000	0.0001	3/3/2024	0.0644	0.0240	0.0507	0.0000	0.1116
1/18/2024	0.0536	0.0212	0.0442	0.0000	0.0003	3/4/2024	0.0556	0.0227	0.0487	0.0000	0.1113
1/19/2024	0.0720	0.0229	0.0468	0.0000	0.0000	3/5/2024	0.0708	0.0244	0.0510	0.0000	0.1110
1/20/2024	0.0572	0.0214	0.0449	0.0000	0.0000	3/6/2024	0.0568	0.0236	0.0502	0.0000	0.1105
1/21/2024	0.0468	0.0209	0.0444	0.0000	0.0002	3/7/2024	0.0552	0.0234	0.0495	0.0000	0.1126
1/22/2024	0.0646	0.0223	0.0451	0.0000	0.0011	3/8/2024	0.0514	0.0230	0.0491	0.0000	0.1109
1/23/2024	0.0494	0.0216	0.0447	0.0000	0.0007	3/9/2024	0.0638	0.0250	0.0518	0.0000	0.1107
1/24/2024	0.0688	0.0225	0.0454	0.0000	0.0003	3/10/2024	0.0648	0.0260	0.0542	0.0000	0.1106
1/25/2024	0.0567	0.0229	0.0461	0.0000	0.0003	3/11/2024	0.0494	0.0252	0.0523	0.0000	0.1094
1/26/2024	0.0680	0.0233	0.0468	0.0000	0.0009	3/12/2024	0.0433	0.0245	0.0516	0.0000	0.1099
1/27/2024	0.0656	0.0230	0.0466	0.0000	0.0009	3/13/2024	0.0460	0.0234	0.0508	0.0000	0.1102
1/28/2024	0.0742	0.0245	0.0484	0.0000	0.0005	3/14/2024	0.0590	0.0236	0.0512	0.0000	0.1107
1/29/2024	0.0561	0.0220	0.0459	0.0000	0.0014	3/15/2024	0.0668	0.0248	0.0531	0.0000	0.1103
1/30/2024	0.0596	0.0212	0.0444	0.0000	0.0005	3/16/2024	0.0670	0.0240	0.0520	0.0000	0.1102
1/31/2024	0.0734	0.0228	0.0462	0.0000	0.0001	3/17/2024	0.0627	0.0244	0.0524	0.0000	0.1114
2/1/2024	0.0733	0.0246	0.0488	0.0000	0.0006	3/18/2024	0.0673	0.0239	0.0523	0.0000	0.1105
2/2/2024	0.0628	0.0233	0.0475	0.0000	0.0008	3/19/2024	0.0602	0.0240	0.0523	0.0000	0.1100
2/3/2024	0.0657	0.0234	0.0473	0.0000	0.0014	3/20/2024	0.0643	0.0239	0.0524	0.0000	0.1108
2/4/2024	0.0731	0.0242	0.0490	0.0000	0.0006	3/21/2024	0.0430	0.0197	0.0479	0.0000	0.1117
2/5/2024	0.0606	0.0245	0.0495	0.0000	0.0010	3/22/2024	0.0403	0.0218	0.0494	0.0000	0.1096
2/6/2024	0.0518	0.0239	0.0486	0.0000	0.0012	3/23/2024	0.0589	0.0248	0.0536	0.0000	0.1110
2/7/2024	0.0663	0.0244	0.0493	0.0000	0.0008	3/24/2024	0.0345	0.0211	0.0489	0.0000	0.1092
2/8/2024	0.0722	0.0234	0.0479	0.0000	0.0002	3/25/2024	0.0448	0.0223	0.0501	0.0000	0.1099
2/9/2024	0.0743	0.0240	0.0483	0.0000	0.0006	3/26/2024	0.0563	0.0239	0.0523	0.0000	0.1108
2/10/2024	0.0728	0.0245	0.0494	0.0000	0.0239	3/27/2024	0.0552	0.0253	0.0538	0.0000	0.1105
2/11/2024	0.0626	0.0239	0.0491	0.0000	0.1093	3/28/2024	0.0532	0.0256	0.0537	0.0000	0.1105
2/12/2024	0.0633	0.0240	0.0493	0.0000	0.1095	3/29/2024	0.0523	0.0273	0.0562	0.0000	0.1106
2/13/2024	0.0672	0.0244	0.0504	0.0000	0.1098	3/30/2024	0.0339	0.0242	0.0517	0.0000	0.1101
2/14/2024	0.0559	0.0236	0.0489	0.0000	0.1087	3/31/2024	0.0339	0.0240	0.0524	0.0000	0.1102
2/15/2024	0.0512	0.0240	0.0497	0.0000	0.1088						

JRL Cell Floor Transducer Readings Q2 -2024											
Date	Cell 11	Cell 12	Cell13	Cell14	Cell15	Date	Cell 11	Cell 12	Cell13	Cell14	Cell15
4/1/2024	0.0397	0.0235	0.0521	0.0000	0.1104	5/18/2024	0.0426	0.0252	0.0571	0.0000	0.1114
4/2/2024	0.0441	0.0238	0.0527	0.0000	0.1106	5/19/2024	0.0433	0.0250	0.0568	0.0000	0.1114
4/3/2024	0.0480	0.0232	0.0518	0.0000	0.1112	5/20/2024	0.0445	0.0251	0.0571	0.0000	0.1121
4/4/2024	0.0512	0.0238	0.0531	0.0000	0.1137	5/21/2024	0.0435	0.0249	0.0568	0.0000	0.1124
4/5/2024	0.0474	0.0236	0.0530	0.0000	0.1121	5/22/2024	-0.0195	-0.0361	-0.0055	0.0000	0.0449
4/6/2024	0.0291	0.0230	0.0521	0.0000	0.1115	5/23/2024	0.0425	0.0257	0.0588	0.0000	0.1125
4/7/2024	0.0419	0.0239	0.0532	0.0000	0.1113	5/24/2024	0.0363	0.0247	0.0578	0.0000	0.1123
4/8/2024	0.0488	0.0250	0.0552	0.0000	0.1111	5/25/2024	0.0385	0.0245	0.0575	0.0000	0.1119
4/9/2024	0.0339	0.0233	0.0528	0.0000	0.1111	5/26/2024	0.0321	0.0242	0.0570	0.0000	0.1116
4/10/2024	0.0485	0.0238	0.0534	0.0000	0.1110	5/27/2024	0.0393	0.0251	0.0587	0.0000	0.1121
4/11/2024	0.0524	0.0245	0.0544	0.0000	0.1110	5/28/2024	0.0364	0.0262	0.0597	0.0000	0.1138
4/12/2024	0.0530	0.0248	0.0547	0.0000	0.1137	5/29/2024	0.0195	0.0245	0.0574	0.0000	0.1133
4/13/2024	0.0488	0.0244	0.0541	0.0000	0.1125	5/30/2024	0.0326	0.0247	0.0579	0.0000	0.0456
4/14/2024	0.0359	0.0237	0.0536	0.0000	0.1114	5/31/2024	0.0307	0.0248	0.0582	0.0000	0.1133
4/15/2024	0.0263	0.0242	0.0543	0.0000	0.1107	6/1/2024	0.0285	0.0242	0.0573	0.0000	0.1133
4/16/2024	0.0024	0.0240	0.0539	0.0000	0.1105	6/2/2024	0.0380	0.0257	0.0596	0.0000	0.1137
4/17/2024	0.0117	0.0240	0.0543	0.0000	0.0486	6/3/2024	0.0263	0.0244	0.0580	0.0000	0.1132
4/18/2024	0.0067	0.0237	0.0538	0.0000	0.1111	6/4/2024	0.0318	0.0248	0.0586	0.0000	0.1136
4/19/2024	0.0150	0.0237	0.0539	0.0000	0.1122	6/5/2024	0.0379	0.0252	0.0593	0.0000	0.1141
4/20/2024	0.0081	0.0246	0.0552	0.0000	0.1113	6/6/2024	0.0352	0.0251	0.0598	0.0000	0.1145
4/21/2024	0.0452	0.0242	0.0549	0.0000	0.1114	6/7/2024	0.0335	0.0256	0.0605	0.0000	0.1145
4/22/2024	0.0343	0.0237	0.0540	0.0000	0.1108	6/8/2024	0.0329	0.0251	0.0601	0.0000	0.1146
4/23/2024	0.0415	0.0236	0.0532	0.0000	0.1131	6/9/2024	0.0321	0.0259	0.0607	0.0000	0.1151
4/24/2024	0.0379	0.0239	0.0549	0.0000	0.1107	6/10/2024	0.0223	0.0244	0.0593	0.0000	0.1143
4/25/2024	0.0270	0.0231	0.0535	0.0000	0.1099	6/11/2024	0.0148	0.0244	0.0589	0.0000	0.1135
4/26/2024	0.0322	0.0238	0.0544	0.0000	0.1109	6/12/2024	0.0303	0.0251	0.0600	0.0000	0.1140
4/27/2024	0.0415	0.0243	0.0550	0.0000	0.1114	6/13/2024	0.0290	0.0249	0.0605	0.0000	0.1141
4/28/2024	0.0427	0.0245	0.0552	0.0000	0.1122	6/14/2024	0.0249	0.0253	0.0613	0.0000	0.1143
4/29/2024	0.0274	0.0245	0.0551	0.0000	0.1117	6/15/2024	0.0167	0.0253	0.0606	0.0000	0.1126
4/30/2024	0.0364	0.0245	0.0557	0.0000	0.1114	6/16/2024	0.0185	0.0243	0.0596	0.0000	0.1125
5/1/2024	0.0320	0.0247	0.0561	0.0000	0.1112	6/17/2024	0.0284	0.0249	0.0608	0.0000	0.1140
5/2/2024	0.0178	0.0245	0.0557	0.0000	0.1108	6/18/2024	0.0231	0.0251	0.0608	0.0000	0.1136
5/3/2024	0.0181	0.0242	0.0552	0.0000	0.1111	6/19/2024	0.0278	0.0255	0.0618	0.0000	0.1142
5/4/2024	0.0221	0.0237	0.0544	0.0000	0.1114	6/20/2024	0.0241	0.0250	0.0609	0.0000	0.1140
5/5/2024	0.0414	0.0246	0.0559	0.0000	0.1123	6/21/2024	0.0242	0.0254	0.0614	0.0000	0.1143
5/6/2024	0.0403	0.0255	0.0574	0.0000	0.1117	6/22/2024	0.0296	0.0254	0.0614	0.0000	0.1146
5/7/2024	0.0414	0.0257	0.0579	0.0000	0.1113	6/23/2024	0.0298	0.0272	0.0647	0.0000	0.1161
5/8/2024	0.0341	0.0254	0.0570	0.0000	0.1112	6/24/2024	0.0179	0.0251	0.0617	0.0000	0.1147
5/9/2024	0.0249	0.0245	0.0557	0.0000	0.1111	6/25/2024	0.0236	0.0251	0.0620	0.0000	0.1139
5/10/2024	0.0400	0.0242	0.0560	0.0000	0.1108	6/26/2024	0.0272	0.0254	0.0627	0.0000	0.1151
5/11/2024	0.0415	0.0246	0.0564	0.0000	0.1108	6/27/2024	0.0211	-0.0370	-0.0023	0.0000	0.1141
5/12/2024	0.0367	0.0241	0.0558	0.0000	0.1108	6/28/2024	0.0066	0.0236	0.0597	0.0000	0.1125
5/13/2024	0.0339	0.0239	0.0552	0.0000	0.1117	6/29/2024	0.0282	0.0248	0.0620	0.0000	0.1153
5/14/2024	0.0437	0.0248	0.0559	0.0000	0.1121	6/30/2024	0.0277	0.0255	0.0633	0.0000	0.11523
5/15/2024	0.0424	0.0251	0.0571	0.0000	0.1117						
5/16/2024	0.0393	0.0249	0.0568	0.0000	0.1113						
5/17/2024	0.0400	0.0247	0.0566	0.0000	0.1114						

JRL Cell Floor Transducer Readings Q3 -2024

Date	Cell 11	Cell 12	Cell13	Cell14	Cell15
7/1/2024	0.0142	0.0241	0.0607	0.0000	0.1134
7/2/2024	0.0235	0.0245	0.0612	0.0000	0.1133
7/3/2024	0.0363	0.0249	0.0622	0.0000	0.1148
7/4/2024	0.0369	0.0253	0.0631	0.0000	0.1149
7/5/2024	0.0325	0.0249	0.0624	0.0000	0.1144
7/6/2024	0.0351	0.0254	0.0634	0.0000	0.1147
7/7/2024	0.0301	0.0246	0.0619	0.0000	0.1141
7/8/2024	0.0363	0.0248	0.0624	0.0000	0.1145
7/9/2024	0.0371	0.0252	0.0632	0.0000	0.1151
7/10/2024	0.0348	0.0250	0.0632	0.0000	0.1152
7/11/2024	0.0297	0.0250	0.0628	0.0000	0.1150
7/12/2024	0.0236	0.0248	0.0622	0.0000	0.1141
7/13/2024	0.0329	0.0256	0.0639	0.0000	0.1154
7/14/2024	0.0331	0.0250	0.0639	0.0000	0.1154
7/15/2024	-0.0280	-0.1011	-0.0721	0.0000	0.1158
7/16/2024	0.0316	0.0254	0.0640	0.0000	0.1161
7/17/2024	0.0234	0.0252	0.0632	0.0000	0.1169
7/18/2024	0.0229	0.0250	0.0632	0.0000	0.1162
7/19/2024	0.0234	0.0245	0.0622	0.0000	0.1153
7/20/2024	0.0304	0.0244	0.0624	0.0000	0.1157
7/21/2024	0.0253	0.0242	0.0619	0.0000	0.1144
7/22/2024	0.0280	0.0238	0.0616	0.0000	0.1150
7/23/2024	0.0244	0.0245	0.0619	0.0000	0.1419
7/24/2024	0.0284	0.0245	0.0620	0.0000	0.1551
7/25/2024	0.0302	0.0254	0.0640	0.0000	0.1564
7/26/2024	0.0242	0.0244	0.0623	0.0000	0.1549
7/27/2024	0.0255	0.0242	0.0619	0.0000	0.1549
7/28/2024	0.0277	0.0242	0.0619	0.0000	0.1553
7/29/2024	0.0278	0.0249	0.0630	0.0000	0.1557
7/30/2024	0.0268	0.0253	0.0634	0.0000	0.1578
7/31/2024	0.0276	0.0247	0.0626	0.0000	0.1573
8/1/2024	0.025	0.025	0.063	0.000	0.155873
8/2/2024	0.026	0.025	0.063	0.000	0.155783
8/3/2024	0.024	0.025	0.064	0.000	0.156023
8/4/2024	0.019	0.025	0.063	0.000	0.155813
8/5/2024	0.019	0.025	0.063	0.000	0.155062
8/6/2024	0.020	0.024	0.062	0.000	0.154521
8/7/2024	0.019	0.024	0.062	0.000	0.154401
8/8/2024	0.013	0.024	0.061	0.000	0.15371
8/9/2024	0.022	0.026	0.064	0.000	0.156203
8/10/2024	0.018	0.025	0.063	0.000	0.156504
8/11/2024	0.021	0.024	0.063	0.000	0.155002
8/12/2024	0.023	0.024	0.063	0.000	0.155422
8/13/2024	0.023	0.025	0.064	0.000	0.154942
8/14/2024	0.025	0.025	0.064	0.000	0.155062
8/15/2024	0.026	-0.036	0.001	0.000	0.154341
8/16/2024	0.027	0.024	0.062	0.000	0.1538

Date	Cell 11	Cell 12	Cell13	Cell14	Cell15
8/17/2024	0.029	0.024	0.063	0.000	0.154341
8/18/2024	0.021	0.025	0.064	0.000	0.155242
8/19/2024	0.019	0.025	0.065	0.000	0.155422
8/20/2024	0.016	0.024	0.063	0.000	0.077921
8/21/2024	0.017	0.024	0.062	0.000	0.15368
8/22/2024	0.015	0.024	0.063	0.000	0.08444
8/23/2024	0.017	0.024	0.063	0.000	0.090358
8/24/2024	0.017	0.024	0.063	0.000	0.154161
8/25/2024	0.016	0.024	0.063	0.000	0.15392
8/26/2024	0.014	0.024	0.064	0.000	0.15407
8/27/2024	0.012	0.025	0.064	0.000	0.154431
8/28/2024	0.005	0.024	0.063	0.000	0.15383
8/29/2024	0.004	0.023	0.061	0.000	0.153109
8/30/2024	0.009	0.023	0.062	0.000	0.15344
8/31/2024	0.009	0.024	0.064	0.000	0.155963
9/1/2024	0.0060	0.0245	0.0651	0.0000	0.1553
9/2/2024	0.0013	0.0235	0.0625	0.0000	0.1525
9/3/2024	0.0010	0.0232	0.0622	0.0000	0.1530
9/4/2024	0.0009	0.0231	0.0624	0.0000	0.1534
9/5/2024	0.0006	0.0235	0.0630	0.0000	0.1539
9/6/2024	0.0003	0.0243	0.0644	0.0000	0.1540
9/7/2024	0.0002	0.0250	0.0661	0.0000	0.1543
9/8/2024	0.0000	0.0233	0.0631	0.0000	0.1535
9/9/2024	0.0000	0.0231	0.0625	0.0000	0.1535
9/10/2024	0.0000	0.0233	0.0625	0.0000	0.1528
9/11/2024	0.0002	0.0234	0.0630	0.0000	0.1530
9/12/2024	0.0001	0.0241	0.0638	0.0000	0.1534
9/13/2024	0.0000	0.0245	0.0644	0.0000	0.1531
9/14/2024	0.0000	0.0240	0.0636	0.0000	0.1530
9/15/2024	0.0000	0.0239	0.0639	0.0000	0.1530
9/16/2024	0.0000	0.0244	0.0646	0.0000	0.1536
9/17/2024	0.0001	0.0247	0.0654	0.0000	0.1537
9/18/2024	0.0000	-0.0420	-0.0126	0.0000	0.1536
9/19/2024	0.0000	0.0245	0.0649	0.0000	0.1530
9/20/2024	0.0000	0.0239	0.0636	0.0000	0.1527
9/21/2024	0.0000	0.0242	0.0644	0.0000	0.0000
9/22/2024	0.0000	0.0239	0.0638	0.0000	0.0000
9/23/2024	0.0000	0.0248	0.0653	0.0000	0.0000
9/24/2024	0.0000	0.0236	0.0630	0.0000	0.0000
9/25/2024	0.0000	0.0242	0.0639	0.0000	0.0000
9/26/2024	0.0000	0.0248	0.0652	0.0000	0.0000
9/27/2024	0.0000	0.0239	0.0642	0.0000	0.0000
9/28/2024	0.0000	0.0242	0.0644	0.0000	0.0000
9/29/2024	0.0000	0.0240	0.0643	0.0000	0.0000
9/30/2024	0.0000	0.0237	0.0637	0.0000	0.0000

JRL Cell Floor Transducer Readings Q4-2024

Date	Cell 11	Cell 12	Cell13	Cell14	Cell15
10/1/2024	0.0000	0.0240	0.0645	0.0000	0.0000
10/2/2024	0.0000	0.0239	0.0651	0.0000	0.0000
10/3/2024	0.0000	0.0235	0.0640	0.0000	0.0000
10/4/2024	0.0000	0.0237	0.0643	0.0000	0.0000
10/5/2024	0.0000	0.0241	0.0654	0.0000	0.0000
10/6/2024	0.0000	0.0243	0.0663	0.0000	0.0000
10/7/2024	0.0000	0.0245	0.0670	0.0000	0.0000
10/8/2024	0.0000	0.0239	0.0661	0.0000	0.0000
10/9/2024	0.0000	0.0238	0.0660	0.0000	0.1513
10/10/2024	0.0000	0.0239	0.0662	0.0000	0.1512
10/11/2024	0.0000	0.0244	0.0674	0.0000	0.1517
10/12/2024	0.0000	0.0241	0.0663	0.0000	0.1504
10/13/2024	0.0000	0.0235	0.0658	0.0000	0.1507
10/14/2024	0.0000	0.0245	0.0692	0.0000	0.1512
10/15/2024	0.0000	0.0232	0.0661	0.0000	0.1510
10/16/2024	0.0000	0.0226	0.0649	0.0000	0.1491
10/17/2024	0.0000	0.0225	0.0656	0.0000	0.1498
10/18/2024	0.0000	0.0229	0.0658	0.0000	0.1495
10/19/2024	0.0000	0.0238	0.0685	0.0000	0.1504
10/20/2024	0.0000	0.0242	0.0698	0.0000	0.1514
10/21/2024	0.0000	0.0236	0.0685	0.0000	0.1504
10/22/2024	0.0000	0.0232	0.0668	0.0000	0.1499
10/23/2024	0.0000	0.0246	0.0708	0.0000	0.1518
10/24/2024	0.0000	0.0237	0.0684	0.0000	0.1499
10/25/2024	0.0000	0.0241	0.0693	0.0000	0.1494
10/26/2024	0.0000	0.0232	0.0684	0.0000	0.1493
10/27/2024	0.0000	0.0217	0.0659	0.0000	0.1492
10/28/2024	0.0000	0.0222	0.0657	0.0000	0.1483
10/29/2024	0.0000	0.0227	0.0667	0.0000	0.1488
10/30/2024	0.0000	0.0244	0.0703	0.0000	0.1509
10/31/2024	0.0000	0.0248	0.0716	0.0000	0.1509
11/1/2024	0.0000	0.0240	0.0692	0.0000	0.1494
11/2/2024	0.0000	0.0223	0.0658	0.0000	0.1477
11/3/2024	0.0000	0.0229	0.0669	0.0000	0.1479
11/4/2024	0.0000	0.0233	0.0680	0.0000	0.1487
11/5/2024	0.0000	0.0245	0.0713	0.0000	0.1502
11/6/2024	0.0000	0.0242	0.0701	0.0000	0.1504
11/7/2024	0.0000	0.0241	0.0690	0.0000	0.1485
11/8/2024	0.0000	0.0245	0.0712	0.0000	0.1501
11/9/2024	0.0000	0.0233	0.0662	0.0000	0.1466
11/10/2024	0.0000	0.0239	0.0696	0.0000	0.1492
11/11/2024	0.0000	0.0245	0.0718	0.0000	0.1499
11/12/2024	0.0000	0.0232	0.0670	0.0000	0.1468
11/13/2024	0.0000	0.0223	0.0657	0.0000	0.1476
11/14/2024	0.0000	0.0239	0.0700	0.0000	0.1490
11/15/2024	0.0000	0.0252	0.0726	0.0000	0.1484
11/16/2024	0.0000	0.0237	0.0691	0.0000	0.1475
11/17/2024	0.0000	0.0236	0.0690	0.0000	0.1477
11/18/2024	0.0000	0.0240	0.0706	0.0000	0.1481
11/19/2024	0.0000	0.0240	0.0697	0.0000	0.1478
11/20/2024	0.0000	0.0233	0.0679	0.0000	0.0664
11/21/2024	0.0000	0.0232	0.0690	0.0000	0.1496
11/22/2024	0.0000	0.0230	0.0684	0.0000	0.1491
11/23/2024	0.0000	0.0250	0.0724	0.0000	0.1486
11/24/2024	0.0000	0.0227	0.0670	0.0000	0.1467
11/25/2024	0.0000	0.0224	0.0653	0.0000	0.1461
11/26/2024	0.0000	0.0226	0.0673	0.0000	0.1473
11/27/2024	0.0000	0.0224	0.0666	0.0000	0.1469
11/28/2024	0.0000	-0.0369	0.0086	0.0000	0.1482
11/29/2024	0.0000	0.0219	0.0660	0.0000	0.1464
11/30/2024	0.0000	0.0219	0.0661	0.0000	0.1470
12/1/2024	0.000	0.022	0.066	0.000	0.147
12/2/2024	0.000	0.022	0.066	0.000	0.147
12/3/2024	0.000	0.022	0.065	0.000	0.147
12/4/2024	0.000	0.022	0.067	0.000	0.147
12/5/2024	0.001	0.024	0.072	0.000	0.149
12/6/2024	0.000	0.020	0.062	0.000	0.145
12/7/2024	0.000	0.020	0.064	0.000	0.146
12/8/2024	0.000	0.022	0.067	0.000	0.146
12/9/2024	0.000	0.020	0.063	0.000	0.145
12/10/2024	0.000	0.021	0.066	0.000	0.146
12/11/2024	-0.054	-0.038	0.065	0.000	0.080
12/12/2024	0.000	0.005	-0.046	0.000	0.061
12/13/2024	0.001	0.020	0.063	0.000	0.145
12/14/2024	0.002	0.021	0.064	0.000	0.145
12/15/2024	0.009	0.022	0.067	0.000	0.146
12/16/2024	0.010	0.023	0.068	0.000	0.146
12/17/2024	0.006	0.023	0.070	0.000	0.148
12/18/2024	0.006	0.022	0.068	0.000	0.147
12/19/2024	0.003	0.022	0.067	0.000	0.144
12/20/2024	0.007	0.023	0.068	0.000	0.145
12/21/2024	0.006	0.022	0.069	0.000	0.144
12/22/2024	0.001	0.020	0.064	0.000	0.143
12/23/2024	0.006	0.021	0.065	0.000	0.145
12/24/2024	0.006	0.022	0.068	0.000	0.145
12/25/2024	0.008	0.021	0.066	0.000	0.144
12/26/2024	0.009	0.021	0.067	0.000	0.144
12/27/2024	0.010	0.022	0.067	0.000	0.144
12/28/2024	0.010	0.022	0.069	0.000	0.145
12/29/2024	0.010	0.023	0.069	0.000	0.146
12/30/2024	0.009	0.024	0.072	0.000	0.147
12/31/2024	0.007	0.022	0.068	0.000	0.146

Appendix F

Site Photographs

1. looking southeasterly along northeastern SICM covered toe of Cell 14

2. looking southeasterly along northeastern toe of Cell 13

3. looking southeasterly along northeastern toe of Cell 12

4. looking southeasterly along northeastern toe of Cell 11

5. looking southeasterly along eastern slope of Cells 10/11

6. at the southeast corner, looking to the north at the southern slope of Cells 9/10

7. looking westerly along the toe of the southeastern face of Cells 9/10

8. looking easterly along the southeastern toe of the southerly face of Cells 9/10

9. looking easterly along the southeastern toe of the southerly face of Cells 9/10

10. Looking north up the downspout for the intercepting ditches along the southern slope of Cells 8/9

11. Looking south at the downspout for the intercepting ditches at the south slope of Cells 8/9

12. looking westerly along the mid-southern slope of Cells 9/10

13. looking westerly along the mid-southern slope of Cell 8/9

14. looking westerly along the lower slope of Cells 8/9

15. looking northerly up the regarded closure slope of Cell 5/6/8

16. looking southwesterly down the lower slope of Cell 8

17. looking southwesterly along the lower slope of Cells 4/5/6

18. looking southwesterly along the mid-slope of Cells 4/5/6

19. looking westerly down the southwestern slopes of Cell 4/5

20. looking northwesterly along the western slopes of Cells 4/5

21. looking southeasterly along the western slopes of Cells 4/5

22. at the upper northwest landfill corner, looking southeasterly along the western slopes of Cells 1/2/3

23. at the upper northwest landfill corner, looking easterly along the northern slope of Cell 3

24. at the upper northwest landfill corner, looking northerly down the northern slope of Cell 3, the active Cell 15 and the westerly slope of Cell 14 in the background

25. at the upper northwest landfill corner, looking easterly along the northern slope of Cell 3 and the active Cell 15, with Cell 14 in the background

26. at the landfill top looking easterly towards the northeast corner of Cell 7

27. on the northeast landfill top looking north down to the active Cell 15 (with Cell 14 in the background)

28. the brain trust (on the northeast top of Cell 7/11)

29. looking southerly on the northern top of Cell 11

30. on the top of Cell 14 looking southerly at the west facing SICM covered slope of Cell 14, active Cell 15, and the north facing slope of Cell 3/7/11

31. on Cell 14 looking northerly towards Cell 14 west facing SICM & our national bird

32. on the top of Cell 14 looking westerly along the SICM covered northern bottom slope of Cell 15 and down towards the construction area of Cell 16

33. on the northwest corner of Cell 14 looking down the SICM covered northwest slope of Cell 14

34. on the northwest corner of Cell 14 looking north down the SICM covered north slope of Cell 14

35. on the top of Cell 14 looking northerly down the SICM covered north slope

36. on the top of Cell 14 looking northeasterly along the SICM covered north slope of Cell 14

37. on the northeast top corner of Cell 14 looking northeasterly down the SICM covered slope of Cell 14

38. on top looking northeasterly along the SICM covered eastern slope of Cells 12/13

39. eastern mid-slope looking northeasterly along the SICM covered eastern slope of Cells 12/13

40. eastern slope looking northeasterly along the SICM covered eastern slope of Cells 10/11

41. top slope looking southeasterly along the SICM covered eastern slope of Cells 10/11

42. at southeast landfill corner looking northerly along eastern slope of Cells 9/10

43. at southeast landfill corner looking down SICM covered eastern slope of Cell 10

44. southeastern landfill top of Cell 10

45. southern landfill top of Cell 9/10

46. southern landfill top of Cell 9

47. southern landfill top of Cell 9

48. northeast corner, mid-slope, looking down southern Cell 9 slope

49. mid-slope looking down southern Cell 9 slope

50. at northeast corner, looking westerly along southern Cell 9 slope

51. looking westerly along southern Cell 8/9 slope

52. looking westerly along southern Cell 8 slope

53. looking northwesterly up the southerly Cell 8 slope

54. looking northeasterly up the southwestern Cell 8 slope

55. looking southwesterly along the southern Cell 5/6/8 slope

56. looking northerly along the southwestern Cells 5/6 slope in foreground and Cells 4/5 in background

57. near the northwest landfill corner, looking easterly along the western Cells 1/2/3 slope

58. near the northwest landfill corner, looking easterly at the construction of Cell 16 in the foreground with the northwestern slope of Cell 15 to the right and western slope of Cell 14 in the background

59. at the northwest landfill corner, looking easterly along the north and west SICM covered slopes of Cell 14

60. at the northeast landfill corner, looking westerly along the north SICM covered slope of Cell 14

ATTACHMENT J

Updated Closure and Post-Closure Cost Estimates

SME
SEVEE & MAHER
ENGINEERS

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Cumberland, ME 04021
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April 26, 2025

Jeffrey Pelletier
Environmental Compliance Manager
NEWSME Landfill Operations LLC
358 Emerson Mill Rd
Hampden, ME 04444

Subject: Opinion of Capital Closure and Post-Closure Costs
Calendar Year 2025
Juniper Ridge Landfill
Old Town, Maine

Dear Jeffrey:

As requested by NEWSME Landfill Operations LLC (NEWSME), Sevee & Maher Engineers, Inc. (SME) is providing this opinion of capital closure and post-closure costs for the Juniper Ridge Landfill (JRL) in Old Town, Maine for calendar year 2025. The capital closure cost is for those cells that, as of the end of the calendar year 2024, have been constructed, but have not received final cover. Constructed Cells 1 through 16 have a total area of approximately 114.7 acres; constructed closure includes approximately 17.9 acres consisting of Stage 1 and 2 Final Closure areas. SME's opinion of the cost to close the remaining 96.8 acres is $37,108,500. This cost is based on a per-acre closure cost presented in attached Table 1, for a final cover consistent with the final waste grades and cover components requirements of Maine Department of Environmental Protection (MEDEP) Solid Waste Management Rules (SWMRs).

The post-closure monitoring and maintenance cost for the site is $30,508,400 for the items presented in Table 2. The post-closure costs assume a 30-year post-closure period and are based on 2025 dollars.

Our opinion of closure and post-closure costs is based on the following assumptions.

1. The closure of the individual cells will consist of placing final cover over the areas of the developed landfill which have not received final cover. Note that operational costs such as placement and removal of intermediate cover, and operational waste grading are not included in the final cover costs presented herein. The cost to construct the infrastructure needed to tie-in the existing active gas collection system is included in this estimate.
2. The final cover for the remainder of the existing landfill will consist of the same components used in the Stage 1, Stage 2 Final Covers, which are consistent with the current SWMRs. SME's opinion of closure costs is based on our current understanding of site conditions and unit costs as bid in February 2025 for NEWSME's Stage 3 Final Cover project which reflect cover construction on 3H to 1V sideslopes.
3. The post-closure costs include landfill inspection, water quality monitoring, leachate management, general site maintenance, gas treatment and maintenance, and engineering for

the entire facility. Post-closure costs are based on our current understanding of site conditions, and projections of both leachate and landfill gas quantity and quality, and costs associated with treatment and disposal. Actual post-closure costs will vary and are dependent upon the actual nature of site conditions at the time of closure, long-term management decisions of NEWSME and the Regulators, and other factors not evident at this time.

If there are any questions concerning our opinion of costs presented in this letter, please feel free to contact us.

Sincerely,

SEVEE & MAHER ENGINEERS, INC.

Brian Pierce

Brian Pierce, PE
Principal/Chief Engineer

Attachments

Table 1	Opinion of Final Cover Costs for Juniper Ridge Landfill Developed Landfill Area as of December 2024
Table 2	Opinion of Post-Closure Monitoring and Maintenance Costs for Juniper Ridge Landfill Developed Landfill Area as of December 2024

cc: Wayne Boyd, NEWSME

TABLE 1

OPINION OF FINAL COVER COSTS FOR JUNIPER RIDGE LANDFILL
DEVELOPED LANDFILL AREA
AS OF DECEMBER 2024

JUNIPER RIDGE LANDFILL PER-ACRE FINAL COVER COSTS				
ITEM	UNIT	QUANTITY	UNIT COST(1)	TOTAL
Mobilization	L.S.	1	$20,820	$20,820
Erosion Control	L.S.	1	$18,205	$18,205
Active Gas System	L.S.	1	$24,300	$24,300
Site Grading of 6" Bedding Sand	C.Y.	810	$29.50	$23,895
12" Compacted Till	C.Y.	1,620	$28.00	$45,360
Geosynthetic Clay Liner	SQ.FT.	43,560	$0.92	$40,080
40-mil Textured Geomembrane	SQ.FT.	43,560	$0.84	$36,590
250-mil Drainage Geocomposite	SQ.FT.	43,560	$0.88	$38,330
18" Vegetative Cover	C.Y.	2,430	$26.80	$65,124
Seed & Mulch	L.S.	1	$8,000	$8,000
Engineer/Const. Monitoring	L.S.	1	$27,800	$27,800
			Total	$348,504

Notes:
1. Unit costs based on Stage 3 Final Cover bid dated February 2025.

	Acres	Closure Cost
Total Area of Cells 1-17	121.5	
Area of Cells to be constructed (Cell 17)	-6.8	
Area of completed final cover	-17.9	
Total area requiring final cover	96.8	$ 33,735,000
10 Percent Contingency		$ 3,373,500
TOTAL		**$ 37,108,500**

TABLE 2

OPINION OF POST-CLOSURE MONITORING AND MAINTENANCE COSTS FOR JUNIPER RIDGE LANDFILL DEVELOPED LANDFILL AREA AS OF DECEMBER 2024

ITEM	OPINION OF AVERAGE YEARLY COSTS	TOTAL COST FOR 30 YEAR PERIOD	ASSUMPTIONS
Leachate Collection, Transport and Disposal			
A. Electrical Costs to Operate Pump Stations	$ 1,800	$54,000	Assumes a 15-hp pump with 75 percent efficiency pumps leachate to tank and then to system at 150 gpm with an electrical costs of $0.19 /kWhr. Estimated pump time calculated based on annual flow.
B. Disposal Costs for Leachate Years 1-30	$ 505,000	$ 15,150,000.00	Assumes 23.17 MGY during year 1 and decreaseing to 0.4 MGY over 30-years. This volume (23.17 MGY) is the avearge flow from the last three years of operation. Transportation cost of $0.0248/gal and disposal cost of $0.075/gal.
C. Annual Leachate Testing	$ 9,040	$271,200	Annual cost for pretreatment testing.
	Subtotal	**$15,475,200**	
Post Closure Water Quality Monitoring			
A.1 Sample methane and detection parameters at 24 Wells, 11 Underdrains, 2 Leachate Collection, 1 Leak Detection, 7 Surface Waters and 3 Pore Waters for three rounds.	$ 46,500	$232,500	Assumes three rounds of monitoring for detection parameters for years 1-5.
A.2 Sample methane and detection parameters at 24 Wells, 11 Underdrains, 2 Leachate Collection, 1 Leak Detection, 7 Surface Waters and 3 Pore Waters for two rounds.	$ 31,000	$155,000	Assumes two rounds of monitoring for detection parameters for years 6-10.
A.3 Sample methane and detection parameters at 24 Wells, 11 Underdrains, 2 Leachate Collection, 1 Leak Detection, 7 Surface Waters and 3 Pore Waters for one round.	$ 15,500	$310,000	Assumes one round of monitoring for detection parameters for years 11-30.
B.1 Analyses of 52 Samples 3 Times per Year	$ 61,800	$309,000	Assumes 24 wells,11 underdrains, 2 leachate collection, 1 leak detection, 7 surface, 3 pore water and 4 QA/QC, for years 1-5.
B.2 Analyses of 52 Samples 2 Times per Year	$ 41,200	$206,000	Assumes 24 wells, 11 underdrains, 2 leachate collection, 1 leak detection, 7 surface, 3 pore water and 4 QA/QC, for years 6-10.
B.3 Analyses of 52 Samples 1 Time per Year	$ 20,600	$412,000	Assumes 24 wells, 11 underdrains, 2 leachate collection, 1 leak detection, 7 surface, 3 pore water and 4 QA/QC, for years 11-30.
C. Compile Data and Submit to MEDEP	$ 6,000	$180,000	Assumes report prepared and submitted to MEDEP after each sampling round.
Annual Cost Years 1-5	$ 114,300		
Annual Cost Years 6-10	$ 78,200		
Annual Cost Years 11-30	$ 42,100		
	Subtotal	**$1,804,500**	
Landfill Inspection			
A. Quarterly Site Walk & Report Generation	$ 6,900	$207,000	Assumes 9 hr., quarterly inspections @ $185/hr.
Subtotal	**$ 6,900**	**$207,000**	
Active Landfill Gas Extraction System - Annual basis, years 1-30			
A. Gas Collection Equipment Replacement	$ 12,400	$372,000	General equipment replacement including well heads, condensate pumps etc.
B. Flare Maintenance	$ 6,500	$195,000	Replacement of flare parts such as flame arrestor media etc.
C. Blower Maintenance	$ 6,500	$195,000	Routine inspection and maintenance of blower & control system.
D. System Operation and Inspection	$ 6,200	$186,000	General system operation & maintenance.
E. Well Tuning	$ 13,000	$390,000	Well tuning once per month.
F. Compliance Monitoring and Reporting	$ 21,000	$630,000	Includes Compliance Air Monitoring and Reporting.
G. Electrical Costs to Operate Blowers, Heat & Control Panel Years 1-30	$ 80,000	$2,400,000	Electricity for blowers assumes varying horsepower requirement as gas decreases @$0.18/kWhr.
H. Landfill Gas Treatment Costs Years 1-30	$ 115,000	$3,450,000	Includes treatment cost for H2S removal to 1,000 ppm using Thiopaq system at a cost of $2,200 per ton.
Subtotal	**$ 260,600**	**$7,818,000**	
Landfill Maintenance			
A. Cover Maintenance Including Annual Mowing & Erosion Repair	$ 9,500	$285,000	Assumes 3 man crew 10 days/ year.
B.1 Pump Stations Inspections	$ 14,040	$421,200	Assumes 4.5 hr./ week @ $60 per hour.
B.2 Pump Replacement Every Five Years (Not Annual Cost)	$ 75,000	$450,000	Assumes replacing 15 on-site pumps every 5 years at $5,000 a piece.
C. General Site Maintenance	$ 11,000	$330,000	Assumes snow plowing 20 storms per year @ $550 per storm.
D. Leachate Line Cleaning	$ 40,000	$800,000	Assumes leachate line cleaning once per year for years 1-10, then every other year, for years 11-30 @ $35,000 per cleaning.
Subtotal	**$ 149,540**	**$2,286,200**	
Professional Services			
A. Engineering Services	$ 4,800	$144,000	General Services
Subtotal	**$ 4,800**	**$144,000**	
Subtotal		**$ 27,734,900**	
10% Contingency		**$ 2,773,500**	
TOTAL		**$ 30,508,400**	

ATTACHMENT K

MSW Diversion

JRL 2024 Annual Report

Compliance with Condition 5 of #S-020700-WD-BC-A

(Casella MSW Landfilling Diversion)

Best efforts by Casella to divert MSW from landfilling at JRL to the greatest extent practicable:

5.A: A list and description of all diversion options evaluated and/or pursued by Casella, including currently operating Maine waste-to-energy facilities as options:

Diversion of MSW through Recycling

1. Casella's Zero-Sort program delivering MSW recyclables collected in Maine to the Casella processing facility in Lewiston.
2. Casella's cardboard recycling program wherein source-separated cardboard is collected, baled, and marketed to end use recyclers.
3. Operation of the Casella Zero-Sort processing facility in Lewiston, Maine. Outreach to municipalities and businesses to encourage participation in Casella's Zero-Sort recycling program.

Diversion of MSW to Maine Incinerators and Processing Facilities

ecomaine:

Casella's Pine Tree Waste hauling companies collect and deliver Maine MSW and recycling materials to the ecomaine incinerator and single stream recycling facility.

MMWAC:

Casella's Pine Tree Waste hauling companies collect and deliver Maine MSW to the MMWAC incinerator.

PERC:

In 2020 an agreement was reached with PERC to annually deliver at least 100,400 tons of Maine MSW. Delivering additional Maine MSW is allowable if necessary. This is a good portion of the expected annual throughput of the PERC facility plans to accept.

COASTAL RESOURCE MANAGEMENT:

In 2018 an agreement was reached with CRM to deliver 40,000 tons annually of Maine municipal solid waste to CRM's recycling and processing facility in Hampden, in addition to deliveries of collected material from Municipal Review Committee (MRC) communities by Pine Tree Waste. The facility hasn't operated since May of 2020.

SWAP AGREEMENT:

A collective agreement was reached between Pine Tree Waste, Inc., NEWSME Landfill Operations, LLC, Waste Management Disposal Services of Maine, Inc., Municipal Review Committee, Inc., and Coastal Resources of Maine, LLC, pursuant to which bypass MSW collected from some MRC communities, primarily within the greater Bangor area, would be delivered to JRL rather than being delivered to the Crossroads Landfill, and an equivalent amount of MSW originating in Maine that otherwise would be delivered by Pine Tree to JRL would instead by delivered by Pine Tree to the Crossroads Landfill.

Diversion by Disposal at Other Landfills

Casella's Pine Tree Waste hauling companies (Bethel, Columbia, Fairfield, Hermon, Houlton, Mechanic Falls, Old Orchard Beach, Sanford, Scarborough, Waterville, and West Bath) collect Maine MSW and deliver to landfills other than Juniper Ridge: Bath, Brunswick, Fort Fairfield / Presque Isle (RWS), and Norridgewock, Maine, Lawrence Station, New Brunswick, and Berlin, New Hampshire.

5.B: A narrative detailing the specific efforts made by Casella to implement diversion options:

See narrative description in 5.A above.

5.C: A narrative describing the results of Casella's evaluation/pursuit of MSW diversion options, including the volume of waste and diversion destination of MSW successfully diverted and/or the specific reasons that MSW was not diverted to other destination options.

Maine MSW Recyclables Delivered to Casella Zero-Sort in Lewiston, ME

- Number of Maine municipalities participating in Casella's Zero-Sort program in calendar year 2024: 45
- Number of Maine businesses participating in Casella's Zero-Sort program in calendar year 2024: approx. 3,059
- Tons of Maine MSW recyclables processed in Casella's Zero-Sort program in calendar year 2024: 22,791 tons

Casella cardboard recycling

Fiber brokered and baled directly from Maine municipalities or Maine businesses in calendar year 2024:

- Brokered: 43,384 tons
- Baled: 16,994 tons

Maine MSW Delivered to Maine Incinerators and Processing Facilities in 2024

ecomaine:

- Single-stream recyclables: 15,168 tons
- MSW: 70,990 tons

MMWAC:

- Lewiston Zero-Sort processing residue: 178 tons
- MSW: 38,587 tons

PERC:

- MSW: 120,911 tons

CRM:

- MSW: 0 tons

Maine MSW Delivered to Landfills Other than Juniper Ridge in 2024

Bath Landfill:

- MSW: 4,022 tons

Brunswick Landfill:

- MSW: 0 tons

Fort Fairfield / Presque Isle Landfill (RWS):

- MSW: 10,296 tons

Norridgewock Landfill:

- MSW: 57,558 tons

Southwest New Brunswick Service Commission (Lawrence Station, NB):

- MSW: 6,415 tons

Total Maine MSW diverted from disposal at JRL in 2024 through efforts described above

- 401,692 tons

Total Maine, non-bypass MSW disposed at JRL in 2024

- 0 tons

MSW DIVERSION FROM JUNIPER RIDGE LANDFILL		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Maine MSW Recyclables Delivered to Casella Zero-Sort Facilities:												
Number of Maine municipalities participating in Casella Zero-Sort program:		52	62	64	63	59	43	44	43	53	49	45
Number of Maine businesses participating in Casella Zero-Sort program:		3,200	3,482	3,381	3,343	3,375	3,305	3,602	3,539	3,494	3,251	3,059
Tons of Maine MSW recyclables processed in Casella Zero-Sort program		25,026	28,688	35,851	30,263	30,376	28,876	28,302	31,484	24,946	22,925	22,791
Cardboard recycling: Fiber from Maine municipalities, businesses, or transfer												
Brokered:		37,385	53,244	55,903	47,613	53,445	54,126	46,442	22,055	37,007	54,578	43,384
Collected / Baled:		12,840	29,071	27,288	25,953	21,945	22,450	13,807	17,118	18,022	16,485	16,994
Maine MSW delivered by Casella to Maine Incinerators or Processing Facilities (tons):												
a. ecomaine:												
i.	Lewiston Zero-Sort processing residue:	97	329	-	-	-	-	-	-	-	-	-
ii.	Single-stream recyclables:	42,506	11,430	11,934	11,697	11,127	10,149	12,694	13,708	14,032	14,830	15,168
iii.	MSW:		41,130	45,837	48,295	48,047	49,073	55,030	60,872	49,198	64,852	70,990
b. MMWAC:												
i.	Lewiston Zero-Sort processing residue:	-	1,742	2,777	3,080	484	-	-	-	179	101	178
ii.	MSW:	147	32,212	35,384	37,707	36,949	38,961	37,171	38,854	37,351	38,026	38,587
c. PERC:												
i.	Lewiston Zero-Sort processing residue:	-	-	-	-	2,608	1,343	-	-	-	-	-
ii.	MSW:	89,902	89,054	79,443	76,477	96,124	114,008	116,209	189,709	187,083	120,911	115,308
d. CRM[1]							8,037	7,155	-	-	-	-
Maine MSW delivered by Casella to Maine landfills other than Juniper Ridge (tons):												
a.	Bath Landfill:	388	6,097	5,740	5,445	4,747	3,210	1,199	1,402	1,377	1,389	4,022
i.	Lewiston Zero-Sort processing residue:	-	-	-	-	603	-	-	-	-	-	-
b.	Brunswick Landfill:	10,144	528	3,474	6,715	9,303	14,661	8,474	365	-	-	-
c.	Fort Fairfield Landfill:	7,249	10,500	11,204	10,828	13,682	16,069	12,468	12,789	12,981	10,704	10,296
d.	Norridgewock Landfill:	2,495	2,720	2,549	2,264	16,865	40,562	7,503	22,852	14,675	57,603	57,558
Maine MSW delivered by Casella to New Hampshire Landfills (tons):												
a.	Berlin Landfill						11,804	11,830	-	-	-	-
Maine MSW delivered by Casella to Canada Landfill (tons):												
a.	Southwest New Brunswick Service Commission	-	-	-	-	-	-	-	4,183	11,089	6,914	6,415
Total Maine MSW diverted from disposal at JRL through efforts described above (tons):		228,179	306,745	317,384	306,337	346,305	413,329	358,284	415,391	407,941	409,319	401,692
Total Non-Bypass Maine MSW disposed at JRL (tons):		36,878	57,521	69,934	77,673	82,805	79,910	55,470	-	-	-	-

1 A portion of the volume noted as MSW to CRM was previously reported as recycling, due to CRM's ability to process co-mingled MSW and recycling