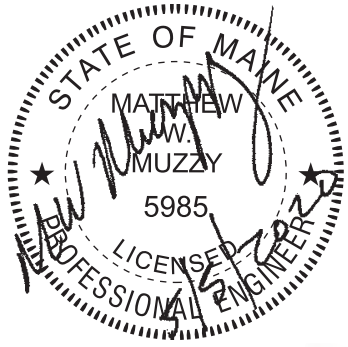
2019 ANNUAL REPORT
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Prepared for

STATE OF MAINE
DEPARTMENT OF ADMINISTRATION
AND FINANCIAL SERVICES
AUGUSTA, MAINE



May 2020

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ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

SME
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ENGINEERS

TABLE OF CONTENTS

TABLE OF CONTENTS (CONT'D)

LIST OF APPENDICES

LIST OF FIGURES

LIST OF TABLES

2019 ANNUAL REPORT
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

1.0 INTRODUCTION

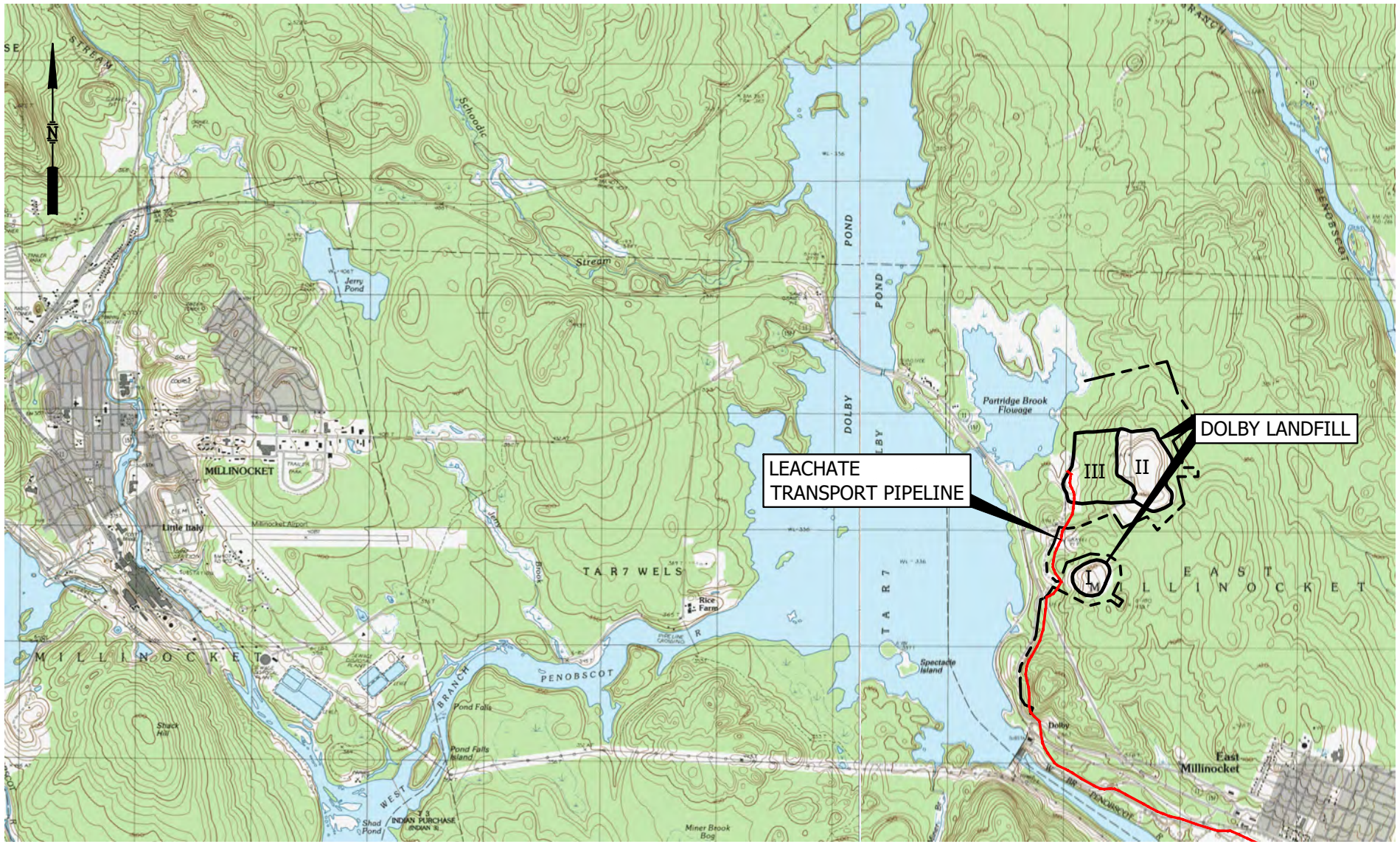
The Maine State Department of Administrative and Financial Services (DAFS) owns and operates the Dolby Solid Waste Landfill (Dolby Landfill) in the Town of East Millinocket, Maine. The Landfill operates under a permit first obtained from the Maine Department of Environmental Protection (MEDEP), Board Order # L000796-07-A-N issued to Great Northern Paper (GNP) dated June 1984. Subsequent license amendment orders transferred the Dolby Landfill permits to Katahdin Paper Company (April 2003) and to the State of Maine (September 2011). The Dolby Landfill permits require the owner (i.e., State of Maine) to submit an annual report to the MEDEP describing previous year's operations for the Dolby Landfill. This Annual Report has been prepared by Sevee & Maher Engineers, Inc. (SME) to fulfill that annual report requirement and includes discussion of the specific reporting items listed in Chapter 401.4.D of the MEDEP Maine Solid Waste Management Rules.

1.1 Site History

Dolby Landfill consists of three landfill sites (Dolby I, Dolby II, and Dolby III), which are located on the east side of Route 157, approximately 2-1/2 miles northwest of the town center of East Millinocket, Maine (see Figure 1-1).

The Dolby I Landfill received a license from the MEDEP in 1975, occupies about 23 acres, and is located southwest of Dolby II and III. The principal waste streams to Dolby I were wastewater treatment sludge, woodroom/woodyard waste, wood ash, and general rubbish from the former Millinocket and East Millinocket pulp and paper mills. The wastes were received at Dolby I from 1975 to 1979. Final cover was placed over Dolby I in 1980 and 1981.

The Dolby II Landfill is located immediately east and upslope of the Dolby III Landfill. Dolby II was licensed by the MEDEP in 1978 (Board Order # 26-0796-19170) and occupies about 62 acres. The principal waste streams delivered to Dolby II were wastewater treatment sludge, woodroom/ woodyard waste, wood ash, and general rubbish from the former Millinocket and East Millinocket mills. Waste placement in Dolby II occurred between 1979 and 1986. Final cover was placed over Dolby II in 1987. Over time, the waste materials contained in Dolby II settled creating a relatively flat top slope area. In 1996, GNP (the landfill owner at that time) was granted an amendment for a vertical increase on top of the Dolby II Landfill (MEDEP Order #S-000796-WD-AC-A) to achieve improved precipitation runoff from the upper portions of the landfill. The final cover over the top area of Dolby II was removed and additional waste was placed to



BASE MAP ADAPTED FROM 7.5 MIN
USGS TOPOGRAPHIC QUADRANGLES
MILLINOCKET, ME - 1988
EAST MILLINOCKET, ME - 1988

2000 0 4000 FEET

DWG: SITE LMN: SITELOC CTB: SME-STD REV: 4/16/2019

FIGURE 1-1
SITE LOCATION MAP
DOLBY LANDFILL FACILITY
EAST MILLINOCKET, MAINE

SME
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ENGINEERS

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improve runoff. The waste placement, regrading, and replacement of the final cover occurred between 1996 and 1999.

Construction of Dolby III was initiated in 1984 and a license renewal for the facility was submitted in 1989 (SME, 1989). Dolby III occupies about 68 acres and consists of 17 waste cells; all of which have been closed.[1] The original waste streams at Dolby III were wastewater treatment sludge, woodroom/woodyard waste, wood ash, general rubbish from the former Millinocket and East Millinocket mills and municipal solid waste (MSW) from the local communities. The disposal of MSW was discontinued in 1993 due to a change in the MEDEP solid waste regulations. From 1987 to 1999, Dolby III was licensed to receive wood ash from the Signal Sherman biomass power boiler (MEDEP Order #L-000796-07-A-N). From 1988 to 1993, Dolby III received ash resulting from burning demolition debris and brush piles by the towns of East Millinocket and Millinocket (MEDEP Order #L-000796-7A-L-M). In September 2011, the MEDEP issued a license transfer to State of Maine (MEDEP Order #S-000796-WR-A-JT) for operation of the Dolby III Landfill. On December 4, 2012, MEDEP approved a minor license revision (S-000796-WT-AM-N) for a one-time disposal of approximately 1,000 cubic yards of secondary wastewater treatment plant residuals from the Town of Millinocket. On January 18, 2012, MEDEP approved a minor license revision (S-000796-WU-AL-N) that allowed for the disposal of petroleum-contaminated soils from sources other than GNP.

In April 2016, DAFS submitted an application to MEDEP for a landfill Cover Upgrade to reduce the volume of leachate generated at the Dolby facility. In April 2016, MEDEP issued a minor license revision (#S-000796-WO-AO-N) to allow the landfill cover upgrade. The landfill cover upgrade project included construction of an upgraded cover system over the Dolby III waste deposit. The upgraded cover system consists of (from bottom to top):

- A minimum 6-inch gas collection system (i.e., sand and gas vent piping);
- A 40-mil HDPE textured liner;
- A drainage geocomposite and cover system drainage pipes;
- A 14-inch cover soil layer; and
- A 4-inch vegetative soil layer.

In 2016, approximately 26 acres of cover upgrade were constructed on the Dolby III Landfill. As of the end of 2016, all but approximately 2 acres of the Dolby III Landfill had been covered with either the original soil final cover or the upgraded cover system (depending on location); the remaining 2 acres have daily cover only. Approximately 43 additional acres of cover upgrade construction are intended for Dolby III, pending additional legislative funding.

[1] The Dolby III Landfill was closed to day-to-day landfilling in 2011. Since that time, provisions have been made to accept very small volumes of ash from the Towns of Millinocket, East Millinocket, and Medway. Small quantities of municipal water treatment sludge are occasionally taken from the Town of Millinocket.

In 2018, approximately 2.5 acres of closed Dolby III Cells 5 and 6 were temporarily opened for placement of waste and aeration lagoon sludge from the former East Millinocket mill. The temporary cell remains open and available for limited waste disposal. In 2019, 151 cubic yards of ash was placed in the temporary cell.

The Dolby III leachate pond was constructed in 1984 and reconstructed in 2007. The present Dolby III leachate pond uses a double-synthetic membrane liner with a leak detection system between the primary and secondary liners. Leachate is pumped from the pond and flows via pipeline to the Town of East Millinocket's wastewater treatment plant approximately 3.5 miles away.

1.2 Hydrogeologic Setting

The Dolby II and Dolby III Landfills are mostly positioned on land sloping from east to west at about 2 to 14 percent grades between elevations 350 feet and 425 feet (Mean Sea Level Datum). Surface water from the site area generally flows toward Partridge Brook Flowage. Partridge Brook Flowage in turn flows into Dolby Pond, which is an impoundment on the West Branch of the Penobscot River formed by Dolby Dam. Site subsurface conditions for the landfill were first explored in 1975 (E.C. Jordan Co., 1975); then in 1977 and 1978 (E.C. Jordan, 1978); in 1980 (E.C. Jordan, 1981); and in 1983 (E.C. Jordan, 1983). The exploration data indicated the soil in the Dolby Landfill area consisted of glacial till over bedrock. Moreover, it was determined the site was blanketed with a layer of ablation till ranging in thickness from a few feet to more than 25 feet. In areas where deeper soil was encountered, the ablation till was generally underlain by a layer of basal till. In those areas, the overall glacial till thickness generally exceeded 30 feet. Hydraulic conductivity of the glacial till was measured in both the laboratory and field and ranged from approximately 10^{-4} to 10^{-7} centimeters per second (cm/sec), with the basal till generally exhibiting the lower of the range. Bedrock in the form of near-vertically bedded metasiltstone underlies the glacial till. Bedrock hydraulic conductivities were measured to generally range from 10^{-4} to 10^{-8} cm/sec.

Groundwater in the soils underlying Dolby III generally flows toward the west. The site setting creates a hydrologic condition of upward hydraulic gradients (groundwater discharge conditions) in the lower half of the Dolby III landfill area. The landfill design addresses this hydrologic condition with a leachate collection network and interceptor drain in the western portion of the Dolby III Landfill.

Figure 1-2 presents an interpreted groundwater surface contour map for the shallow groundwater and deeper bedrock groundwater flow regimes in the vicinity of Dolby III based on spring 2019 groundwater elevation data.

MW-303A,B
(A)377.98
(B)380.17

MW-206A,B
(A)402.11
(B)402.53

MW-205A,B
(A)413.87
(B)413.37

MW-302B,C
(B)348.12
(C)346.90

MW-301
347.06

MW-304A,B
(A)345.04
(B)344.02

MW-107A
(A)352.35

MW-401A,B
(A)368.72
(B)365.65

MW-402A,B
(A)401.77
(B)399.11

MW-202AR,B
(AR)410.01
(B)406.77

MW-104B
(B)424.76

N

NOTES

1. BASE MAP FROM AERIAL SURVEY & PHOTO INC, NORRIDGEWOCK, MAINE, PHOTO DATE 5-15-08.
2. PHREATIC SURFACE CONTOURS BASED ON WATER LEVEL MEASUREMENTS TAKEN JUNE 2019 BY SEVEE & MAHER ENGINEERS, INC.

LEGEND

MW-401A,B — MONITORING WELL LOCATION

WATER LEVEL ELEVATION MEASURED AT MONITORING WELL LOCATION

410 — INTERPRETED PHREATIC SURFACE CONTOUR FOR SHALLOW GROUNDWATER

410 — INTERPRETED PHREATIC SURFACE CONTOUR FOR BEDROCK GROUNDWATER

150 0 300 FEET

FIGURE 1-2
INTERPRETED GROUNDWATER SURFACE
DOLBY LANDFILL FACILITY
EAST MILLINOCKET, MAINE

SME
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DWG: PhreaticSurface LMN: Phreatic-June 2019 CTB: Phreatic REV: 5/5/2020

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2.0 2019 LANDFILL ACTIVITY

2.1 Dolby I

No activity occurred at Dolby I in 2019. A copy of the 2019 inspection reports for Dolby I can be found in Appendix A-1.

2.2 Dolby II

Based on quarterly visual inspections conducted by SME in 2019, the Dolby II Landfill is in general compliance with its closure plans and MEDEP license. A copy of the 2019 inspection reports for Dolby II can be found in Appendix A-1.

2.3 Dolby III

Activities occurring on the Dolby III landfill in 2019 consisted of the following:

- Quarterly visual inspections of the Dolby III landfill were made by SME and occurred on May 14 and May 15, August 19 (with a follow up visit on August 27), and October 14, 2019. These inspections also included the Dolby I and II Landfills, as well as the leachate pond and associated leachate transport pipeline. The inspection reports are presented in Appendix A-1. Based on the quarterly inspections, the Dolby III Landfill was found to be in general compliance with the facility's MEDEP license.
- In 2018, an approximate 2-acre temporary cell was constructed for disposal of "lagoon" sludge excavated from the secondary treatment aeration basin at the former GNP East Millinocket Mill site. The temporary cell remains open and available for limited waste disposal.

Thornton Construction performed repairs to the Dolby III cover system which included:

- Seeding and mulching of eroded cover soils associated with the surface swale and south-most riprap downspout;
- Repairing an area of eroded cover soils (and associated berm) approximately 150 feet north of the surface swale that leads to the south-most riprap downspout;
- Repairing three gas vent pipes that were loose and/or had come apart;
- Repairing an underdrain discharge pipe in the northeast corner of Dolby III;
- Repairing ditch erosion located in the northwest most surface swale of Dolby III;

- Maintenance of the existing containment berm along the north side of the open area on Dolby III;
- Repairing of cover soil erosion noted on the south slope of Dolby III;
- Re-grading a portion of the waste within the temporary disposal cell on the south side of Dolby III so that the ponded area in the middle of the cell drains to the leachate collection systems on the south end of the disposal cell;
- Replacing the inlet gate for the catch basin near the west sediment basin; and
- Replacing sandbags on leachate pond emergency outlet.

2.4 Leachate Pond and Leachate Transport Pipeline

Leachate collected from the Dolby II and III Landfills flows by gravity pipeline to the Dolby III leachate pond where it is pumped via a force main and gravity pipeline to the Town of East Millinocket's wastewater treatment plant. Leachate pond and pipeline work activities completed in 2019 included:

- Cleaning (i.e., partial) of a 100-foot x 70-foot section of the leachate pond's 60-mil liner in the area near the inlet and outlet piping. The cleaning was conducted by ACV Environ on August 21, 2019. Approximately 5 cubic yards of sediment from the pond cleaning were disposed in the temporary disposal cell on the south side of Dolby III.
- Cleaning approximately 12,621 feet of leachate transport pipeline. The cleaning consisted of the force main section (approximately 6259 feet) and low "belly" sections of the gravity main (approximately 6362 feet).

2.5 Access Road and Other Portions of Site

Annual road maintenance was not performed in 2019 as the road was observed to be in adequate condition.

2.6 Operator Training

No operator training was conducted in 2019, as agreed to by MEDEP. With the exception of limited special disposal projects of minimal scale, the landfill is closed and as such no active operation occurs in the waste disposal areas.

3.0 2019 LANDFILL OPERATIONS

SME, under contract to DAFS, served as the landfill operator for the time period reflected in this Annual Report. SME subcontracted with several contractors to perform maintenance and limited operation activities including:

- Mid-South Engineering, Inc. (MSE) of Millinocket, Maine to act as local technical support at the landfill and to perform routine inspections of the landfill, leachate pond, and leachate transport pipeline;
- ACV Enviro of Skowhegan, Maine to perform leachate transport pipeline cleaning;
- Blaine McLaughlin of Medway, Maine to mow the pipeline right-of-way, provide tree removal from the site access ways as deemed necessary, and mow the surface of the Dolby III Landfill;
- Levesque Gravel of Millinocket, Maine to provide additional snow removal at the landfill facility and the former GNP mill in East Millinocket;
- Thornton Construction of Milford, Maine for landfill maintenance, snow removal, pumping and trucking leachate from Dolby III leachate pond; and
- Katahdin Analytical Services of Scarborough, Maine provided laboratory analysis of groundwater and surface water as required by the facilities Environmental Monitoring Plan (EMP).

3.1 2019 Waste Received

The monthly waste logs for Dolby III for year 2019 (by waste stream) are attached as Appendix B and is summarized in Table 7-1 of Section 7.0. At total of 286 cubic yards (cy) of waste were delivered to the landfill in 2019.

3.2 Capacity Used and Remaining Capacity

There are no day-to-day active filling areas remaining at the Dolby landfill, and most of the landfill has been closed by covering. Approximately 2 acres of Dolby III (at the north end) have been closed by daily covering only; that area is scheduled for final closure the next time final cover is applied to Dolby III. The position of the area with daily cover is impractical to use for additional waste placement. Excepting for minimal volume disposal projects involving the temporary cell on Dolby III, no additional waste filling is permitted at the Dolby landfill facility.

3.3 Cover Material Usage

3.3.1 Daily Cover

No daily cover was placed in 2019.

3.3.2 Intermediate Cover

No intermediate cover placed was in 2019.

3.3.3 Final Cover

All but 2 acres of the Dolby III landfill has final cover applied (see Section 5.2) and all of Dolby II and Dolby I have final soil covers. Approximately 25 acres of final cover upgrade was constructed on the northwest corner of Dolby III in 2016. The upgraded cover consists of, from bottom up, 6-inch-thick gas transmission layer, a 40-mil geomembrane, a drainage geocomposite with associated cover system drainage pipes, 14 inches of cover soil, and 4 inches of vegetative soil. With the exception of the 2 acres mentioned earlier, the remainder of Dolby III has a soil final cover. No final cover was placed at the Dolby landfill facility in 2019.

3.4 Operating Manual Revisions

The Operating Manual for the Dolby Landfill was last submitted to the MEDEP in April 2012. No changes to the landfill operation or Operating Manual have been made since that time.

A post-closure monitoring and maintenance plan for the Dolby Landfill was submitted to MEDEP in May 2017.

3.5 Environmental Monitoring Plan Revisions

The EMP for the Dolby Landfill was last revised and submitted to MEDEP in April 2012. No changes to the EMP occurred in 2019.

3.6 Spills, Fires, Accidents, and Unusual Events

There were no fires, chemical spills, accidents, or unusual events reported in 2019.

3.7 Cell Development Plans

Essentially all waste placement at the Dolby landfill facility has ceased and most of the landfill areas have received final cover.

3.8 Hazardous and Special Waste Handling

There was no hazardous or special waste delivered to, or identified at, the Dolby III landfill in 2019.

3.9 Inspection Summary

Approximately 1/3 of the manholes and catch basins at the Dolby II and Dolby III landfills are visually inspected on a rotating annual basis. The manhole and catch basin inspection reports for 2019 are included in Appendix A-1.

Visual inspection of the landfill leachate pond for 2019 consisted of removing essentially all leachate from the pond, pumping down, bypass, cleaning the surface of the pond, removing the sediment accumulated near the leachate inlet and outlet pipe, and inspecting the surface of the primary liner. A similar leachate pond cleaning and inspection is scheduled for 2020.

Following MEDEP guidance, a compliance self-audit checklist for the Dolby III Landfill is completed by DAFS on an annual basis. This completed checklist for 2019 is provided as Appendix A-3 to this report.

3.10 System Failures and Repairs

The current leachate pond was constructed in 2007 and uses a double synthetic liner system with leak detection between the two liners. Investigations relating to increased leak detection flows in 2013 and 2014 concluded most of the water contributing to the leak detection flows was from groundwater seeping through the secondary liner system into the leak detection system rather than from leachate leaking through the primary liner system.

On October 15, 2019 leachate from the pond exceeded the action leakage rate (ALR). The conductivity of the pond, leak detection layer, and underdrain pump station at that time was 1750 microsiemens per centimeter (µS/cm), 997 µS/cm c, and 750 µS/cm, respectively. The leak detection conductivity is closer to the underdrain pump station conductivity than the leachate conductivity. Accordingly, it appears the leak detection layer may be more influenced by groundwater in the underdrain layer than from a leak in the primary liner for the leachate pond. At approximately the same time as the ALR exceedance, the leachate pond underdrain pump was determined to have failed. The underdrain pump was replaced in October 2019 with a new Goulds WE Series Model 3885 pump and float switch.

Approximately 26 gallons of leachate were pumped from the leak detection layer in 2019. This equates to a leak detection flow of less than 0.41 gallons per acre per day, significantly less than the pond's ALR of 20 gallons/acre/day.

3.11 Leachate Management

Leachate collected at the Dolby landfill facility is temporarily stored in the lined leachate pond and then pumped to the Town of East Millinocket's wastewater treatment plant. Approximately 70.8 million gallons of leachate were pumped from the leachate pond to the treatment plant in 2019. Leachate hauling by tank truck occurred during the periods of April 1 through 3 (~1,274,000 gallons) and April 18 through 24 (~903,000 gallons). The trucked leachate volume is included in the overall volume for 2019.

3.12 Leachate Flow Study

A leachate flow study was conducted at the Dolby III and Dolby III Landfills from fall 2018 to summer 2019, with the purpose of estimating the overall leachate contribution from each of those landfills. A technical memo describing the leachate flow study is presented in Appendix D to this report.

4.0 ENVIRONMENTAL MONITORING

As a condition of the landfill operating permit issued by MEDEP, the quality of the groundwater, surface water, and leachate at the Dolby Landfill is routinely monitored. Gas monitoring for concentrations of explosive gases, i.e., methane (CH_4), and hydrogen sulfide (H_2S) is also conducted at selected landfill locations where explosive or toxic gases could accumulate. The gas monitoring locations include landfill infrastructure such as at the leachate pond pump station, operator shack, leachate collection manholes and near the landfill boundary (i.e., headspace in select monitoring wells).

4.1 Monitoring Locations

Tables 4-1 and 4-2 list the water quality and landfill gas monitoring locations, respectively, and Figures 4-1 and 4-2 show the monitoring locations relative to the Dolby Landfill(s) and local landmarks. Table 4-3 presents installation information for each of the monitoring wells that are monitored. The water quality monitoring is typically completed three times per year: spring, summer, and fall. For 2019, sampling for the spring, summer, and fall monitoring events occurred during the periods of June 3 through 6, August 12 through 15, and November 21 through 24, respectively. Landfill gas monitoring is also completed three times per year at the same approximate time as the water quality sampling. The monitoring parameters, methods, and standards used for the Dolby Landfill environmental monitoring are summarized in the EMP prepared specifically for the Dolby Landfill facility (SME, 2012). The field and laboratory results for the monitoring events, along with a brief data evaluation, were submitted to the MEDEP project manager and the Environmental and Geographic Analysis Data (EGAD) group following SME's receipt of each group of analytical testing results.

TABLE 4-1

WATER QUALITY MONITORING LOCATIONS
DOLBY LANDFILL

GROUNDWATER MONITORING WELLS

DOLBY III

MW-107A	MW-304A	MW-402A
MW-301	MW-304B	MW-402B
MW-302B	MW-401A	
MW-302C	MW-401B	

DOLBY II

MW-104B	MW-205B	MW-303B
MW-202AR	MW-206A	
MW-202B	MW-206B	
MW-205A	MW-303A	

DOLBY I

MW-103	MW-113

SURFACE WATER SAMPLING LOCATIONS

PBFB	Partridge Brook Flowage – Background
PBFR	Partridge Brook Flowage – Revised location beginning 2012
ND	North Ditch
SPO	Siltation Pond Outlet
SPON	Siltation Pond North
SPOS	Siltation Pond South

LEACHATE SAMPLING LOCATIONS

LP	Leachate Pond West of Dolby III
LPD2	Leachate Pond East of Dolby II
LDS	Leachate Pond Leak Detection Sump

TABLE 4-2

LANDFILL GAS MONITORING LOCATIONS
DOLBY LANDFILL

- Operator shack southwest of Dolby III;
- Dolby III leachate pond pump station control room and sump;
- MW-107B located southeast of Dolby III; and
- 10 catch basins/manholes around the perimeter of Dolby II and Dolby III.

CB #4	CB #30
CB #6A	CB #35
CB #13	CB #39
CB #21	CB #43
CB #22	CB #45

TABLE 4-3

MONITORING WELL DETAILS
DOLBY LANDFILL

Landfill	Sample Location	Geologic Unit Screened	Screened Interval (ft - BGS)		Well Diameter (inches)	Comments
			TOS	BOS		
Dolby I	MW-103	Bedrock	NA	15	1.5	Upgradient well
	MW-113	Bedrock	NA	21.6	1.5	Downgradient well
Dolby II	MW-104B	Bedrock	NA	37	1.25	Upgradient well
	MW-202AR	Bedrock	71.5	81.5	2	Downgradient well
	MW-202B	Till/Bedrock	5.4	10.4	2	Downgradient shallow companion well to MW-202AR
	MW-205A	Bedrock	26	31	2	Downgradient well
	MW-205B	Glacial Till	10	15	2	Downgradient shallow companion well to MW-205A
	MW-206A	Bedrock	23.3	28.3	2	Downgradient well
	MW-206B	Glacial Till	12	17	2	Downgradient shallow companion well to MW-206A
	MW-303A	Bedrock	32.6	42.6	2	Downgradient well
	MW-303B	Glacial Till	13.3	23.3	2	Downgradient shallow companion well to MW-303A
Dolby III	MW-107A	Bedrock	NA	19.6	1.5	Downgradient well from Cells 1 through 8
	MW-301	Glacial Till	10	15	2	Downgradient well from Cells 9 through 16
	MW-302B	Bedrock	18.8	23.8	2	Downgradient well from Cells 9 through 16
	MW-302C	Glacial Till	6	11	2	Downgradient shallow companion well to MW-302A
	MW-304A	Bedrock	NA	21.5	2	Downgradient well from Dolby III leachate pond
	MW-304B	Glacial Till	NA	8.6	2	Downgradient shallow companion well to MW-304A
	MW-401A	Bedrock	30.5	40.5	2	Downgradient well from Cells 1 through 8
	MW-401B	Glacial Till	12.5	22.5	2	Downgradient shallow companion well to MW-401A
	MW-402A	Bedrock	50.2	60.2	2	Cross-gradient well from Cells 3A and 3B
	MW-402B	Glacial Till	10	20	2	Cross-gradient shallow companion well to MW-402A

Abbreviations:
NA = not available
BOS = bottom of screen
TOS = top of screen
ft -BGS = feet below ground surface

4.2 Monitoring Parameters

4.2.1 Water Quality

The 2019 water quality monitoring parameters are listed in Table 4-4. Specific conductance, temperature, pH, dissolved oxygen (DO), and turbidity were measured in the field and were used as stabilization criteria during low-flow sampling. All of the remaining parameters listed in Table 4-4 were analyzed by Katahdin Analytical Services of Scarborough, Maine for 2019.

4.2.2 Landfill Gas

The landfill gas monitoring program includes the measurement of methane and hydrogen sulfide concentrations. In 2019, the landfill gas measurements were made using a RKI GX2003 portable gas detector that was designed specifically for use at landfills to monitor landfill gas presence.

4.3 Changes to Environmental Monitoring Program in 2019

There were no changes to the EMP in 2019. It should be noted that in the past, landfill monitoring locations have been terminated, added or have had parameter changes made. Each of those changes were for reasons agreed to with MEDEP. Discussions of such changed monitoring locations/parameters are presented in previous annual reports as appropriate to the time(s) when the changes were made.

TABLE 4-4

WATER QUALITY MONITORING PARAMETERS
DOLBY LANDFILL

Detection Monitoring Program Test Parameters:

Water Quality Parameters	Method	Reporting Limit (mg/L)	Groundwater	Surface Water	Leachate
Field Parameters					
Dissolved Oxygen (D.O.)	Field Parameter	NA	X	X	
Field Observations	Field Parameter	NA	X	X	X
Monitoring Well Pump Rate	Field Parameter	NA	X		
pH	Field Parameter	NA	X	X	X
Turbidity	Field Parameter	NA	X	X	
Specific Conductance	Field Parameter	NA	X	X	X
Static Water Elevations	Field Parameter	NA	X		
Surface Water Flow Rates	Field Parameter	NA		X(1)	
Temperature	Filed Parameter	NA	X	X	X
Indicator Parameters					
Alkalinity	SM 2320B	1.0	X	X	X
Bicarbonate	SM 2320B	1.0	X	X	X
Chloride	EPA 9056	2.0	X	X	X
Nitrogen, Ammonia	EPA 350.1	0.2	X	X	X
Nitrogen, Nitrate	EPA 9056/300.0	2.0	X	X	X
Phosphorous, Total	EPA 6010	0.1		X	X
Sulfate	EPA 9056/300.0	1.0	X	X	X
Total Dissolved Solids (TDS)	SM 2540C	1.0	X	X	X
Total Organic Carbon (TOC)	EPA 9060	1.0	X	X	X
Total Suspended Solids (TSS)	EPA 160.2	1.0	X	X	X
Inorganic Parameters					
Arsenic (Total)	EPA 200.7/6010	0.008	X	X	X
Calcium (Total)	EPA 6010B	1.0	X	X	X
Hardness (Mg & Ca)	Calculation	NA	X	X	X
Iron (Total)	EPA 6010B	0.01	X	X	X
Magnesium (Total)	EPA 6010B	1.0	X	X	X
Manganese (Total)	EPA 6010B	0.01	X	X	X
Potassium (Total)	EPA 6010B	1.0	X	X	X
Sodium (Total)	EPA 6010B	1.0	X	X	X
Aluminum (Total)	EPA 6010B	0.020			X(2)
Antimony (Total)	EPA 6010B	0.003			X(2)
Barium (Total)	EPA 6010B	0.010			X(2)
Beryllium (Total)	EPA 6010B	0.002			X(2)
Cadmium (Total)	EPA 6010B	0.0004			X(2)
Chromium (Total)	EPA 6010B	0.005			X(2)

TABLE 4-4

WATER QUALITY MONITORING PARAMETERS
DOLBY LANDFILL (cont'd)

Assessment Monitoring Program Test Parameters:

Water Quality Parameters	Method	Reporting Limit (mg/L)	Groundwater	Surface Water	Leachate
Inorganic Parameters					
Cobalt (Total)	EPA 6010B	0.050			X(2)
Copper (Total)	EPA 6010B	0.003		X(1)	X(2)
Lead (Total)	EPA 6010B	0.003			X(2)
Nickel (Total)	EPA 6010B	0.003			X(2)
Selenium (Total)	EPA 6010B	0.005			X(2)
Silver (Total)	EPA 6010B	0.007			X(2)
Thallium (Total)	EPA 6010B	0.0028			X(2)
Zinc (Total)	EPA 6010B	0.010			X(2)
Organic Parameters					
Volatile Petroleum Hydrocarbons (VPH)	MADEP VPH Method	0.2 to 5.0 µg/L	X(3)		X(2)
Extractable Petroleum Hydrocarbons (EPH)	MADEP EPH Method	0.2 to 5.0 µg/L	X(3)		X(2)

Notes:
1 Only measured at PBFR (Partridge Brook Flowage).
2 The leachate pond (LP) is sampled for the detection monitoring parameters every monitoring event and sampled for assessment parameters once a year (as per Chapter 405 leachate sampling requirements). The leachate pond (LP) was also sampled for VPH and EPH during all three monitoring events in 2019.
3 Monitoring wells MW-301, MW-302B, and MW-302C are sampled for VPH and EPH once a year (fall).

Abbreviations:
NA = Not Applicable

AERIAL PHOTO DATED JULY 8, 2008

LEGEND

- GROUNDWATER WELLS
- SURFACE WATER SITES

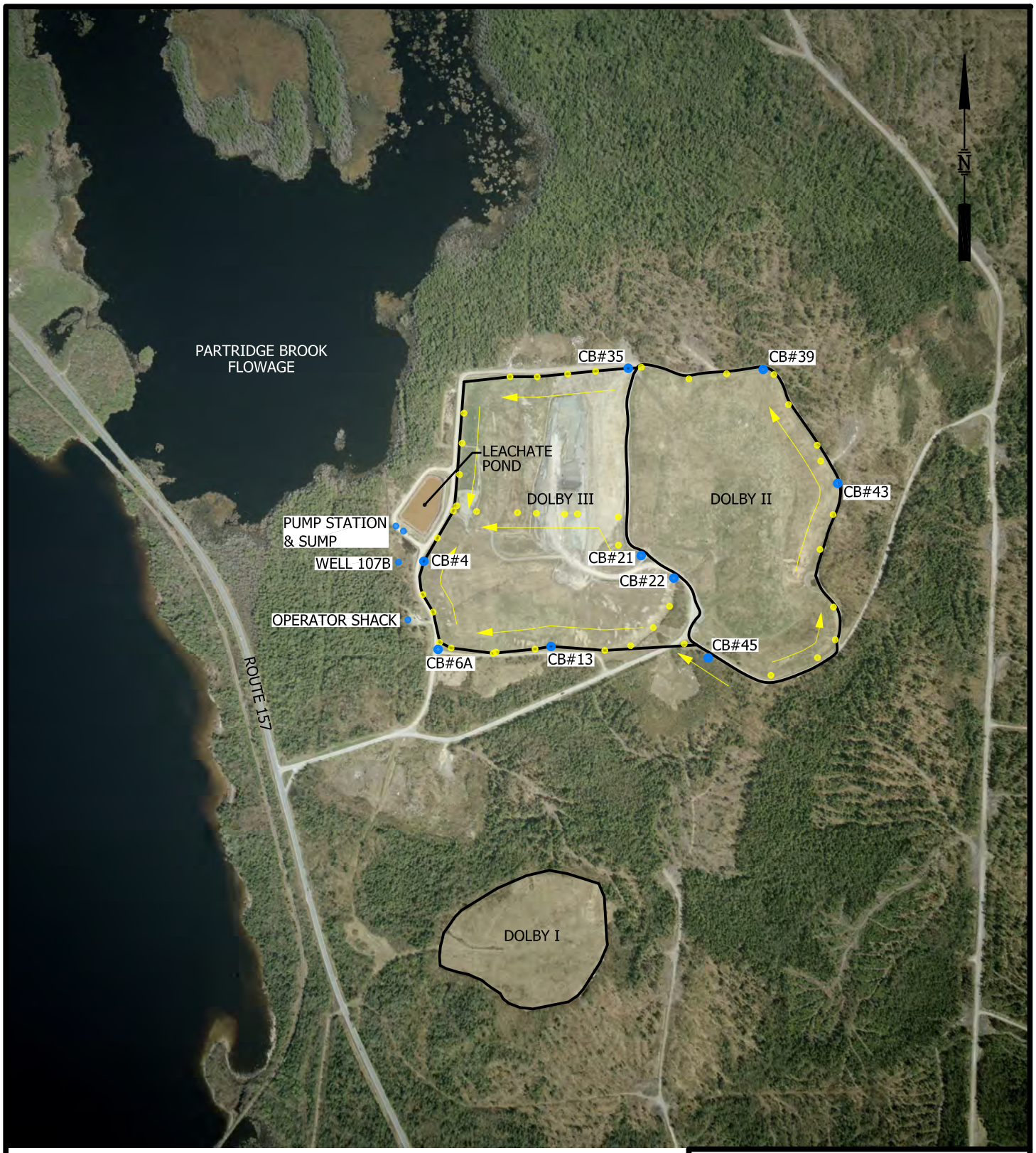
500 0 1000 FEET

DWG: AERIAL-2008 LMN: WAT SAMPL SITES WO CTB: SME-STD REV: 4/16/2019

FIGURE 4-1
WATER QUALITY
MONITORING LOCATIONS
DOLBY LANDFILL FACILITY
EAST MILLINOCKET, MAINE

SME
SEVEE & MAHER
ENGINEERS

\\nserver\CFS\Kpc\Dol\ACAD\WaterSampleSites\Aerial-2008.dwg, 4/16/2019 10:58:25 AM, jrl



AERIAL PHOTO DATED JULY 8, 2008

LEGEND

SAMPLE LOCATIONS

EXISTING MANHOLE/CATCH BASIN

FLOW DIRECTION OF LEACHATE COLLECTION SYSTEM

500 0 1000 FEET

DWG: AERIAL-2008 LMN: CB GAS MONITOR CTB: SME-STD REV: 4/18/2019

FIGURE 4-2
LANDFILL GAS
MONITORING LOCATIONS
DOLBY LANDFILL FACILITY
EAST MILLINOCKET, MAINE

SME
SEVEE & MAHER
ENGINEERS

\\nserver\CFS\Kpc\Dol\ACAD\WaterSampleSites\Aerial-2008.dwg, 4/18/2019 9:34:11 AM, paf

5.0 WATER QUALITY EVALUATION

Water quality at the Dolby Landfill has been monitored since 1982. Summary tables of the historical water quality including the 2019 monitoring data are presented in Appendix C-1 and Figure 4-1 shows the water quality monitoring locations**.** Detailed summaries of the data by monitoring location are shown on the well evaluation data summary sheets presented in Appendix C-2. The data summary sheets include measured concentrations for selected water quality parameters analyzed for the 2019 monitoring period, along with the mean and range of the historical record for those same parameters. Also identified on the data summary sheets are the 2019 parameter values that exceeded a historical minimum or maximum concentration value, as well as values that exceed applicable State or Federal water quality guidelines or standards.

The groundwater data for 2019 was evaluated on a well-by-well basis by comparison to Federal and State of Maine drinking water standards and guidelines (i.e., Federal Maximum Contaminant Levels [MCLs] and State of Maine Maximum Exposure Guidelines [MEGs]). Surface water results were compared to the State of Maine Freshwater Criterion Continuous Concentration (MFCCC) Standards. Additionally, the 2019 water quality samples were evaluated to determine if there were notable changes in concentrations of chemical parameters when compared to historical data.

As part of the water quality data evaluation, box and whisker plots were developed for selected parameters at each monitoring point. The annual range, median, and quartiles for each analytical parameter are shown on the box and whisker plots in Appendix C-2. These plots provide a useful means to visually depict annual and seasonal variations in the data and help show visual data trends over the entire sampling record. Visual evaluation of possible water quality trends (including the 2019 data) was aided by superimposing a Fast Fourier Transform (FFT) regression of the annual median concentration values of each parameter's dataset reaching back to monitoring completed in year 2000. A plot of the FFT regression accompanies the box and whisker plots in Appendix C-2.

Mann-Kendall (M-K) trend analyses (using a 95 percent confidence level) were run for 3- and 5-year water quality evaluation periods to help identify current trends in the data. Results of the M-K trend analyses are presented in Appendix C-3. The results were also evaluated in conjunction with visual data interpretations of time series plots (i.e., the box and whisker plots) and summary reports that are presented in Appendix C-2. Note that the M-K analyses indicate increasing trends for several indicator and metal parameters at monitoring wells MW-301, 302B, 302C, 401B, and 402A over the last three-year and/or five-year monitoring periods. Each of these monitoring wells are downgradient of the Dolby III Landfill and various leachate and stormwater infrastructure that supports the environmental management of the landfill site. Land disturbance occurred in the vicinity of the above-mentioned monitoring wells in the last several years as result of sediment and vegetation removal from three nearby stormwater ponds and constructing final cover over a portion of Dolby III.

Few other trends were identified that were considered significant relative to further degradation of water quality at the Dolby Landfill in 2019.

An interpretation of the water quality data is presented in Sections 5.1, 5.2, and 5.3. Monitoring locations not specifically discussed in those sections exhibit data that were generally consistent with previous years and showed no apparent degradation trends and no notable occurrences of high parameter values. The information presented in the following sections was grouped by well location relative to the general directions of groundwater flow at the landfill site.

5.1 Groundwater Quality

5.1.1 Upgradient Monitoring Well

Monitoring well MW-104B monitors bedrock water quality to the south of the Dolby II Landfill. This monitoring well is located approximately 400 feet from the Dolby II perimeter and is not considered to be influenced by the Dolby Landfills based on the interpreted directions of groundwater flow. Notable observations in the 2019 upgradient water quality include:

- At MW-104B, the 2019 water quality data was generally consistent with historical data for this location; however, three new historical high dissolved oxygen concentrations were measured. No distinct upward or downward data trends have been identified at this location. None of the parameters monitored at this location exceeded MCLs or MEGs in 2019.

5.1.2 Dolby I

Monitoring wells MW-103 and MW-113 monitor bedrock groundwater quality upgradient and downgradient of the Dolby I Landfill, respectively. Dolby I Landfill has been closed for more than 30 years and has been removed from the EMP.[2] To supplement the water quality monitoring for the overall Dolby Landfill site, field parameters are monitored at MW-103 and MW-113. Notable observations in the 2019 water quality include:

- Upgradient well MW-103 yielded an insufficient quantity of water to collect a sample during the fall monitoring event. Specific conductance was measured at historical highs for the spring and summer sampling. Concentrations for pH and dissolved oxygen were within their historical ranges.
- At downgradient well MW-113, the 2019 water quality data suggests a slow improvement since the 1980s. Parameter concentrations at this location are characteristic of groundwater conditions downgradient of an unlined landfill with elevated specific conductance as compared to that in

[2] MW-103 and MW-113 were not included in the 2011 Environmental Monitoring Program (as per Section 3.5 of the 2010 Annual Report).

upgradient well MW-103. In 2019, the specific conductance was measured at historical lows and the dissolved oxygen was measured at historical highs for each sampling round, which by comparison to previous data is suggestive of improving conditions.

5.1.3 Dolby II

Eight monitoring wells positioned around the Dolby II Landfill perimeter were sampled for water quality in 2019 and included monitoring wells MW-202AR, MW-202B, MW-205A, MW-205B, MW-206A, MW-206B, MW-303A, and MW-303B. These monitoring wells provide spatially distributed data along the northern, southern, and eastern borders of the Dolby II Landfill.

Monitoring well MW-202AR is screened in the deep bedrock, while companion well MW-202B is set at the interface of the soil overburden and bedrock. These two monitoring wells are interpreted to represent groundwater flow downslope (easterly) of the Dolby II Landfill. Monitoring well MW-202AR replaced former well MW-202A in 1994. Notable observations in the 2019 water quality at these locations include:

MW-202AR

- At MW-202AR, the 2019 water quality data was generally consistent with historical data for that location. No new historical low or high parameter values were reported for any of the three monitoring events. Parameter concentrations at this location are characteristic of groundwater conditions downgradient of an unlined landfill and exhibit elevated concentrations of specific conductance, metals, and inorganic parameters as compared to upgradient well MW-104B. Increasing trends apparent in MW-202AR for iron, ammonia, and chloride concentrations appeared to be gradually decreasing or leveling off. No other clearly visible trends were identified for MW-202AR in 2019.
- At MW-202AR, arsenic, manganese, and sodium exceeded their MEGs of 0.01 milligrams per liter (mg/L), 0.5 mg/L, and 20 mg/L, respectively, during the spring and summer events of 2019. No other parameters analyzed at this location exceeded MCLs or MEGs in 2019.

MW-202B

- Monitoring well MW-202B is a shallow companion well to MW-202AR. The parameter concentrations historically measured at MW-202B show similar patterns to those apparent at MW-202AR, but at generally lower concentrations and with more temporal variability.
- At MW-202B, the 2019 water quality data was consistent with historical data at this location. Sulfate concentrations which had increased since 2016 decreased in 2019. Manganese exceeded its MEG of 0.3 mg/L for the spring, summer, and fall 2019 monitoring events. No other parameters analyzed at MW-202B exceeded MCLs or MEGs in 2019.

Monitoring well pairs MW-205A and MW-205B, MW-206A and MW-206B, MW-303A and MW-303B monitor northwesterly groundwater flow near the northern boundary of the Dolby II Landfill. The "A" designated wells monitor groundwater quality in the bedrock, while the "B" designated wells monitor groundwater quality in the soil overburden (i.e., glacial till). Notable observations in the 2019 water quality at these locations include:

MW-205A

- Parameter concentrations measured at MW-205A are characteristic of groundwater conditions downgradient of an unlined landfill and show elevated concentrations of specific conductance, several metals, and inorganic parameters as compared to upgradient monitoring well MW-104B.
- At MW-205A, manganese and sodium exceeded their MEGs of 0.3 mg/L and 20 mg/L, respectively. No other parameters analyzed at this location exceeded MCLs or MEGs in 2019.
- All other parameters monitored during 2019 were consistent with the historical data at this location. No apparent trends were identified at MW-205A in 2019.

MW-205B

- At MW-205B, historically decreasing trends for specific conductance, calcium, magnesium, sodium, total dissolved solids (TDS), sulfate, hardness, bicarbonate, and alkalinity have flattened and with no parameters exceeding MCLs or MEGs in 2019. No increasing trends were identified at MW-205B in 2019.

MW-206A

- Monitoring well MW-206A shows elevated concentrations of specific conductance, metals, and inorganic parameters as compared to upgradient monitoring well MW-104B. New historical high concentrations of total suspended solids (TSS), dissolved oxygen, and calcium were measured at MW-206A in 2019. The increasing concentration trends measured during 2015 and 2016 for alkalinity, ammonia, arsenic, bicarbonate, calcium, hardness, iron, magnesium, manganese, potassium, specific conductance, sodium, TDS, and TSS appear to have flattened as compared to recent years.
- At MW-206A, arsenic, iron, manganese, sodium, and ammonia exceeded their MEGs of 0.01 mg/L, 5 mg/L, 0.3 mg/L, 20 mg/L, and 30 mg/L, respectively, during 2019. Arsenic also exceeded its MCL in 2019. No other parameters analyzed at this location exceeded MCLs or MEGs in 2019.

MW-206B

- At MW-206B, parameters monitored during 2019 were generally consistent in concentration with historical data, with new historical high concentrations measured for dissolved oxygen, iron, and manganese. Parameter concentrations measured at this location show minimal landfill influence when compared to the same parameters in deeper companion well, i.e., MW-206A. No adverse

trends in water quality were apparent at MW-206B. None of the parameters analyzed at this location exceeded MCLs or MEGs in 2019.

MW-206B had insufficient water for sample collection during the fall 2019 monitoring event.

MW-303A

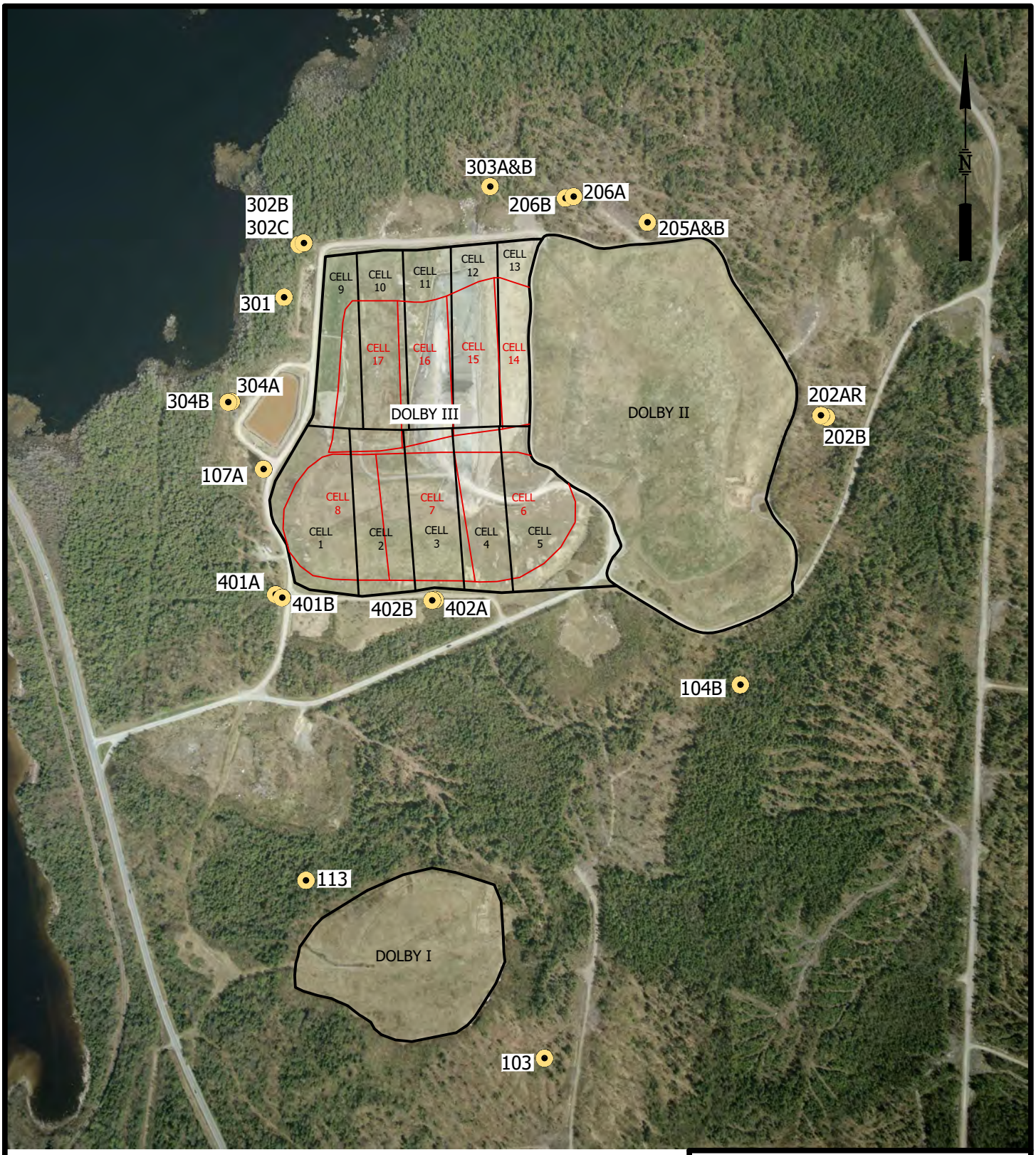
- Comparison of the 2019 water quality data in MW-303A with MW-303B indicates that similar chemical conditions exist in the bedrock and overburden groundwater at those monitoring locations. Parameter concentrations at both MW-303A and MW-303B show elevated concentrations for specific conductance, metals, inorganic and organic parameters as compared to upgradient monitoring well MW-104B. The overburden groundwater quality exhibits greater seasonal variation than apparent in the bedrock.
- At MW-303A, parameter concentrations during 2019 were generally consistent with historical concentrations, excepting new historical low concentrations for specific conductance, calcium, magnesium, manganese, and sodium measured in summer 2019. Decreasing concentration trends for multiple parameters continued to slow or flattened in 2019.
- At MW-303A, manganese exceeded its MEG (0.3 mg/L) during each of the 2019 monitoring events. No other parameters analyzed at this location exceeded MCLs or MEGs in 2019.

MW-303B

- At MW-303B, seasonal variation over the monitoring record has been observed for parameters including, specific conductance, calcium, magnesium, hardness, sodium, total organic carbon (TOC), and chloride.
- Parameter concentrations during 2019 were generally consistent with historical concentrations at MW-303B, with a new high concentration of dissolved oxygen measured for each sampling round. Decreasing concentration trends for multiple parameters continued to slow or flatten in 2019.
- At MW-303B, manganese exceeded its MEG (0.3 mg/L) during each of the three 2019 monitoring events. No other parameters analyzed at this location exceeded MCLs or MEGs in 2019.

5.1.4 Dolby III

Ten monitoring wells near the perimeter of the Dolby III Landfill were sampled in 2019. Figure 5-1 shows the location of the monitoring wells and their locations relative to the individual cells that comprise Dolby III. Two monitoring wells (MW-402A and MW-402B) are located cross-gradient of landfill Cells 3A and 3B near the southern border of Dolby III. Monitoring wells MW-107A, MW-401A, and MW-401B are positioned downgradient of Cells 1 through 8 along the western perimeter of the Dolby III Landfill. Three monitoring wells (MW-301, MW-302B, and MW-302C) are located adjacent to the northwestern corner of Dolby III and downgradient of Cells 9 through 16. Monitoring wells MW-304A and MW-304B are located



LEGEND

GROUNDWATER WELLS

400 0 800 FEET

FIGURE 5-1
CELL LAYOUT AND MONITORING WELL LOCATIONS
DOLBY LANDFILL FACLITY
EAST MILLINOCKET, MAINE

SME
SEVEE & MAHER ENGINEERS

DWG: AERIAL-2008 LMN: FIGURE 5-1 CTB: SME-STD REV: 4/16/2019

\\nserver\CFS\Kpc\Dol\ACAD\WaterSampleSites\Aerial-2008.dwg, 4/16/2019 10:59:39 AM, jrl

near the northwest side of the Dolby III Landfill leachate pond and downgradient of the landfill. Because the Dolby III Landfill is immediately adjacent to, and downslope of the Dolby II Landfill, monitoring well MW-104B is considered the background monitoring well for Dolby III.

5.1.4.1 Cross-gradient Monitoring Wells

Monitoring well pair MW-402A and MW-402B monitor bedrock and overburden groundwater quality, respectively, cross-gradient of Dolby III Cell 3. Notable observations in the 2019 water quality include:

MW-402A

- At MW-402A, water quality has generally remained consistent throughout the monitoring history. Parameter concentrations suggest limited groundwater degradation may be occurring at this location. In 2019, dissolved oxygen, iron, hardness, and magnesium were measured at historically high concentrations for one or more monitoring rounds. Chloride concentrations have leveled off over the last several years. No other upward or downward concentration trends have been identified. None of the water quality parameters analyzed at MW-402A exceeded MCLs or MEGs in 2019.

MW-402B

- At MW-402B, parameter concentrations in 2019 were within the range of historical values, with only sodium reaching a historical low concentration. Most parameter concentrations appear to be leveling off over the last several years.
- At MW-402B, manganese and sodium exceeded their respective MEGs of 0.3 mg/L and 20 mg/L, during each of the three monitoring events in 2019. None of the other parameters analyzed for this location exceeded MCLs or MEGs in 2019.

5.1.4.2 Downgradient Monitoring Wells.

Monitoring wells MW-107A, MW-401A, and MW-401B serve as downgradient wells for Dolby III Landfill Cells 1 through 8. MW-107A and MW-401A are screened in bedrock, while the MW-401B well is screened in overburden.

MW-107A

- At MW-107A, parameter concentrations during 2019 were generally consistent with historical concentrations for this location.
- Concentrations of multiple parameters at MW-107A appear to be leveling off, with several parameters exhibiting slightly increasing concentrations.
- Manganese and sodium exceeded their MEGs of 0.5 mg/L and 20 mg/L, respectively, at MW-107A during each of the 2019 monitoring events. No other parameters analyzed at this location exceeded MCLs or MEGs in 2019.

MW-401A

- At MW-401A, parameter concentrations were generally consistent with historical data at this location, with a new historical high concentration for dissolved oxygen measured for the spring and summer monitoring events. Most concentration trends, which have been apparent for the past several years, or longer, appear to be slowing or leveling off in 2019. No other upward or downward trends have been observed at this location. Arsenic was measured above its MEG and MCL (0.01 mg/L) for each of the 2019 monitoring events. No other parameters analyzed at this location exceeded MCLs or MEGs in 2019.

MW-401B

- Historic high concentrations of magnesium and manganese were measured during the fall 2019 monitoring event for monitoring well MW-401B. Chloride and sulfate concentrations continue to gradually decrease at this location. No other notable upward or downward concentration trends have been observed at this location.
- At MW-401B, manganese exceeded its MEG of 0.3 mg/L for the summer and fall 2019 monitoring events. No other parameters analyzed at MW-401B exceeded MCLs or MEGs in 2019.

Three monitoring wells are positioned downgradient of Dolby III Cells 9 through 16. Monitoring well MW-301 is screened in overburden, while monitoring wells MW-302B and MW-302C are screened in bedrock and overburden, respectively.

MW-301

- At MW-301, generally steady increases in specific conductance, calcium, hardness, magnesium, TOC, sodium, TDS, bicarbonate, and alkalinity have been measured since the late 1990s. Decreasing trends in chloride have been observed for the past several years. Historically high values for magnesium and sodium were measured in 2019 at MW-301.
- At MW-301, manganese and sodium exceeded their MEGs of 0.3 mg/L and 20 mg/L, respectively, during each of the 2019 monitoring events. None of the other parameters analyzed at this location exceeded MCLs or MEGs in 2019.
- Volatile petroleum hydrocarbons (VPH) and extractable petroleum hydrocarbons (EPH) analyses were performed on samples obtained from MW-301 for the fall 2019 monitoring event. No VPH or EPH constituents were detected above the laboratory reporting limits in 2019.

MW-302B AND C

- At MW-302B and MW-302C, specific conductance, bicarbonate, alkalinity, magnesium, manganese, sodium, hardness, and TDS have been increasing since the 1990s. Sulfate concentrations have decreased at MW-302B and MW-302C since 2005.
- At MW-302B, dissolved oxygen, calcium, magnesium, manganese, potassium, sodium, ammonia, bicarbonate, hardness, and alkalinity were measured at new historical high concentrations during one or more monitoring events in 2019. At MW-302C, dissolved oxygen, magnesium, manganese, potassium, ammonia, TDS, bicarbonate, hardness, and alkalinity were measured at new historical high concentrations during at least one monitoring event in 2019.
- At MW-302B and MW-302C, manganese and sodium exceeded their MEGs of 0.3 mg/L and 20 mg/L, respectively, for each of the 2019 monitoring events. None of the other parameters analyzed at these locations exceeded MCLs or MEGs in 2019.
- VPH and EPH analyses were performed on samples obtained from MW-302B and MW-302C during the fall 2019 monitoring event. No VPH or EPH constituents were detected above the laboratory reporting limits at MW-302B in 2019.

Monitoring well pair MW-304A and MW-304B are screened in the bedrock and overburden, respectively, and are downgradient of the Dolby III leachate pond. Both wells have exhibited similar improving trends in groundwater quality over their monitoring record. The improving trends are likely related to improvements made to the leachate pond. In 2007, the leachate pond was reconstructed to include a double-geosynthetic liner system with leak detection. Improvements in water quality may also be related to redirecting the leachate pond underdrain outlet from discharging to the native ground surface to being collected and pumped to the leachate pond in 2005.

MW-304A

- At MW-304A, all parameter concentrations remained within their historical ranges in 2019. Decreasing trends which were observed since 2005 for specific conductance and calcium began to level off in 2019 and chloride, bicarbonate, and alkalinity concentrations have decreased since 2007. None of the parameters analyzed at the MW-304A exceeded MCLs or MEGs in 2019.

MW-304B

- At MW-304B, all parameter concentrations remained within historical ranges in 2019, excepting dissolved oxygen which measured at historical highs. Most parameter concentrations appear to be leveling off and no new upward or downward trends are apparent. None of the parameters analyzed at this location exceeded MCLs or MEGs in 2019.

5.2 Surface Water Quality

Surface water quality sample locations are shown on Figure 4-1. Partridge Brook Flowage is sampled at two locations (PBFB and PBFR) as part of the Dolby Landfill EMP. PBFB is the background location for the flowage and is positioned approximately 1,000 feet northwest of the leachate pond, on the opposite side of the flowage. PBFR is located on the landfill side of the flowage and downgradient of the leachate pond. PBFR is a replacement location for the former PBF location, which was sampled for the last time in 2011. PBFR is located downstream of the PBF location. PBFR was positioned to reflect potential runoff contributions to the flowage from the landfill's sediment pond. The PBFR location was established at the request of MEDEP given that PBF was originally located near the former discharge location for the leachate pond's underdrain. (Note, the leachate pond underdrain is pumped into the leachate pond pump station and receives treatment with the landfill leachate.)

Three sediment ponds (Sediment Ponds #1, #2, and #3) are positioned downslope of the Dolby III Landfill (see Figure 4-1). Sediment Ponds #1, and #3 are located near the southwest and northeast corners of the landfill, respectively. Sediment Pond #2 is located immediately south of the leachate pond. Surface water monitoring is performed at the outlet points for each pond. The surface water sample location designations are SPOS (Sediment Pond Outlet South – Sediment Pond #1), SPO (Sediment Pond Outlet – Sediment Pond #2), and SPON (Sediment Pond Outlet North – Sediment Pond #3).

The ditch to the northwest of the landfill (surface water sample point (ND)) has historically been dry and remained so for the three monitoring events in 2019. SPO was not sampled for any of the summer monitoring events due to dry condition. Surface water at the SPOS was sampled for all three monitoring events.

- At the PBFB location, the 2019 parameter concentrations were within the historical range. None of the parameters analyzed in 2019 for this location exceeded the MFCCC limits. PBFB is background surface water and is not affected by the landfill.
- At the PBFR location, parameter concentrations were within the historical range for that location. None of the parameters measured for PFBR exceeded MFCCC limits in 2019.
- Surface water sample location SPO has been periodically dry since monitoring began at that location in 1991. SPO was dry during the summer 2019 monitoring event. Parameter concentrations at SPO in 2019 were generally within the historical ranges for that location. Only iron exceeded the MFCCC at SPO in 2019.
- Parameter concentrations for SPON and SPOS have remained relatively stable since monitoring was initiated at those locations. Magnesium, manganese, potassium, sodium, alkalinity, TDS, TOC, and chloride concentrations decreased over the last two years at SPON. Only iron exceeded the

MFCCC at SPON in 2019. No other increasing or decreasing trends were observed at SPON during 2019.

- At SPOS, all parameter concentrations remained within their historical range during 2019. No consistent increasing or decreasing trends are apparent at SPOS and none of the parameter concentrations exceeded the MFCCC.
- Sample location ND was not analyzed in 2019 due to dry conditions during each of the monitoring events. This location has been dry during most monitoring events since 1991. No significant trends are apparent in the limited data for the ND sample location.

5.3 Leachate Quality

Three leachate sources are sampled at the Dolby Landfill: the Dolby II Leachate Pond (LPD2); the Dolby III Leachate Pond (LP); and the Leak Detection Sump (LDS) which is associated with the Dolby III Leachate Pond.

- Leachate Pond (LP) parameter concentrations remained within historical limits in 2019 and no detectable VPH or EPH compounds were reported for the leachate samples tested.
- Leak Detection System (LDS) parameter concentrations remained within historical limits in 2019. Comparison of the parameter concentrations of LDS with those for LP show close similarity. In 2019, approximately 26 gallons of leak detection liquid were pumped from that system.
- Monitoring location LPD2 is representative of the water collected by the interceptor trench located along the north and east sides of Dolby II. Water quality data obtained in 2019 at LPD2 was generally within the historical concentration range for that location. Dissolved oxygen at this location appears to be trending toward lower concentrations in LPD2, otherwise no increasing or decreasing trends were observed at LPD2 during 2019.

5.4 Data Validation and Quality Control (QC)/Quality Assurance (QA)

Data validation and QC/QA are an integral part of the Dolby Landfill EMP and are necessary to allow assessment of the adequacy of analytical results for their intended use. Field QC/QA activities associated with the water quality sampling for the Dolby Landfill include utilization of standardized sample collection procedures and data recording, calibration of field instruments, and use of chain-of-custody procedures. Analytical QC/QA involves the use of approved analytical protocols by qualified laboratories. Assessment of analytical data quality is performed through review of method-specified quality control data that is delivered with the analytical results. The EMP summarizes the sampling procedures and analytical techniques, as well as the QC/QA methods that were used for the groundwater and surface water monitoring program at the Dolby Landfill in 2019.

Data validation documentation for the Dolby Landfill in 2019 has been previously submitted to MEDEP as part of the data submittals for each of the 2019 monitoring events. The following data validation protocols, as described in the MEDEP Maine SWMRs Chapter 405, were previously submitted to MEDEP to verify the accuracy and precision of the reported results:

- Verification of continuous chain-of-custody for each sample;
- Verification that sample holding times were met;
- Evaluation of duplicate analysis performance;
- Calculation of the ratio of TDS to specific conductance;
- Comparison of current data with historical data and identification of anomalous results;
- Identification of any parameter in field equipment blanks; and
- Well depth measurements.

6.0 EVALUATION OF LANDFILL GAS MONITORING DATA

Landfill gas concentrations were measured in 2019 at locations where landfill gas may collect and pose a potential threat to health or safety. The landfill gas-monitoring program includes measurement of methane and hydrogen sulfide concentrations in potential landfill gas accumulation areas such as the pump station, leachate collection manholes and beyond the landfill boundary (i.e., in monitoring wells). Three landfill gas monitoring events were performed in 2019 and the results of that monitoring are presented as Appendix C-4. A RKI GX2003 portable gas detector (or an equivalent instrument) was used to measure methane and hydrogen sulfide concentrations. Existing landfill gas monitoring locations at the landfill include the following:

- The operator shack southwest of Dolby III;
- The Dolby III leachate pond pump station control room and sump;
- MW-107B located southeast of Dolby III; and
- Nine manholes/catch basins around the perimeter of Dolby II and Dolby III.

The landfill gas monitoring locations are shown on Figure 4-2.

6.1 Operator Shack

Landfill gas monitoring at the operator shack is conducted to check the breathing zone relative to the health and safety of landfill personnel using that space. During 2019, landfill gas concentrations measured at the operator shack were below the monitoring instrument's detection limits.

6.2 Dolby III Leachate Pond Pump Station

During 2019, landfill gas concentrations measured at the leachate pump station control room and sump were below the monitoring instrument's detection limits. It should be noted that the sump is designated as a confined space; therefore, all human activities in the sump must follow confined space entry procedures.

6.3 Monitoring Well MW-107B

Landfill gas readings have been taken in the wellbore at MW-107B since May 2002. During 2019, methane and hydrogen sulfide concentrations in MW-107B were below the monitoring instrument's detection limits.

6.4 Manholes/Catch Basins

During 2019, landfill gas readings were taken at nine manholes/catch basins positioned around the Dolby II and Dolby III Landfills.

The following maximum methane levels (methane equivalent, percent by volume) and maximum hydrogen sulfide levels (parts per million [ppm]) were measured in 2019:

- CB #4 – 37 percent methane and 4.0 ppm H_2S,
- CB #6A – <0.1 percent methane and <0.1 ppm H_2S,
- CB #13 – <0.1 percent methane and <0.1 ppm H_2S,
- CB #21 – 1.7 percent methane and 1.1 ppm H_2S,
- CB #22 – 2.6 percent methane and <0.1 ppm H_2S,
- CB #35 – <0.1 percent methane and <0.1 ppm H_2S,
- CB #39 – 0.8 percent methane and <0.1 ppm H_2S,
- CB #43 – <0.1 percent methane and <0.1 ppm H_2S, and
- CB #45 – <0.1 percent methane and <0.1 ppm H_2S.

From a health and safety perspective, the manholes/catch basins can only be accessed using confined space entry procedures. If any work is to be completed near or within the structures, air monitoring will be implemented as required by applicable rules/regulations.

7.0 WASTE STREAMS DELIVERED TO LANDFILL

Approximately 286 cubic yards of solid waste were delivered to the Dolby III Landfill in 2019. Table 7-1 summarizes the quantities delivered by waste stream.

TABLE 7-1

2019 WASTE DISPOSAL SUMMARY

Month	Ash[1]	Misc. Waste[3]
January		0
February		0
March		0
April		0
May		0
June	151	0
July		0
August		5
September		0
October		0
November		0
December	130	0
Total (CY)	281	5
Cumulative Total (CY)	286	

Notes:
1 Ash from Millinocket transfer station, East Millinocket transfer station, and Medway transfer station.
2 Waste materials from landfill leachate pond and pipeline cleaning (sediment, gloves, rags, piping, etc.).

8.0 FINANCIAL ASSURANCE

According to 06-096 CMR 400(11), the State of Maine is not required to provide financial assurance for closure and post-closure care of the Dolby Landfill facility. The DAFS has the authority to seek legislative appropriations, as necessary, to fund anticipated operation and maintenance of the Dolby Landfill facility as necessary.

9.0 SUMMARY

Approximately 286 cubic yards of waste was placed in the Dolby III Landfill in 2019. The leachate pond leak detection system pumped 26 gallons of leak detection fluid in 2019, which is significantly less than the action leakage rate for the leachate pond liner system.

Approximately 12,621 feet of leachate transport pipeline were cleaned in August 2019. The pumping flow rates before and after the cleaning were measured and the cleaning increased the total pumping capacity by more than 30 percent.

Review of the 2019 water quality data from Dolby I, Dolby II, and Dolby III indicates that water quality at the site remains generally consistent with that reported in previous years. It is worth noting that dissolved oxygen concentrations have increased in many of the monitoring wells, suggestive of potentially improving groundwater quality conditions.

The following observations are offered relative to site water quality and landfill operation for 2019:

- Groundwater monitored hydraulically downgradient of the Dolby Landfills to the north, east, and west, generally exhibited higher parameter concentrations than those found at the upgradient groundwater monitoring location.
- Surface water quality downgradient of the leachate pond continues to show general improvement since relining of the leachate pond in 2007 and collection of groundwater from the leachate pond underdrain.

In 2019, the leachate pond and groundwater from monitoring wells MW-301, MW-302B, and MW-302C were analyzed for VPHs and EPHs. No VPHs or EPHs were detected in leachate in 2019.

MEDEP primary drinking water standards (i.e., MCLs and MEGs) were exceeded in several of the groundwater monitoring wells one or more times in 2019. Arsenic exceeded its respective MCL and MEG at three monitoring well locations. Iron exceeded its respective MEG at one monitoring well. Iron exceeded its respective MEG in two monitoring wells; manganese exceeded its MEG in 12 monitoring wells; and sodium exceeded its MEG at eight monitoring wells. Manganese has historically been present in the site groundwater, including in the upgradient monitoring well, at concentrations sometimes in excess of its MEG. The MFCCC was not exceeded at any of the four surface water monitoring locations. Overall, the impact of the landfill on the surrounding water quality is not considered to pose a significant threat to public health.

10.0 RECOMMENDATIONS

The Dolby Landfill has been closed to receiving pulp and paper making residuals since 2011. The Dolby I and II Landfills have been closed with final cover and all but 4.5 acres of the Dolby III Landfill have received final cover. Approximately 2 acres of the Dolby III Landfill (on the north end) were closed in 2011 with daily cover and are planned to receive final cover when the next phase of cover upgrade is implemented for Dolby III. Approximately 2.5 acres of the Dolby III Landfill (on the south end) were opened as a temporary cell for lagoon sludge disposal in 2018. The lagoon sludge came from the closure of the secondary wastewater treatment lagoon at the former GNP mill in East Millinocket. The temporary cell is planned for closure when the next phase of cover upgrade is implemented for Dolby III. In the interim, the temporary cell is expected to receive (1) very small volumes of wood ash from several nearby town solid waste transfer stations, which occasionally burn stockpiled brush, and (2) very small volumes of sediment and disposables from the annual cleaning of the Dolby III leachate pond and the leachate transport pipeline. Water quality monitoring has been conducted at the Dolby Landfill three times per year (spring, summer, and fall) since the 1980s. Review of the 2019 water quality results and comparison of those results with the landfill's historical water quality shows no apparent continued degradation of groundwater and/or surface water quality, and in some cases apparent water quality improvement. An example of improvement is dissolved oxygen, which at many monitoring locations is showing gradual increase (i.e., improvement) of the past several years. The information in the preceding sentences supports consideration of a reduction of water quality monitoring frequency for the Dolby Landfill. Accordingly, SME recommends termination of the summer water quality monitoring event and water quality only be monitored in the spring (typically high groundwater table) and fall (typically low groundwater table) times of the year. The water quality monitoring parameters or sampling protocols for the spring and fall water quality monitoring events are recommended to remain the same.

With the exception to the recommended change in water quality monitoring frequency (see above), no other changes to the Environmental Monitoring Plan (EMP) or operation of the Dolby Landfill are recommended.

REFERENCES

E.C. Jordan Co., 1985. Test Pit Observations, Sludge Landfill, East Millinocket, Maine, June 1985.

E.C. Jordan Co., 1984. Dolby III Landfill Permit Application.

E.C. Jordan Co., 1981. Geohydrologic Study of the Dolby Landfill Sites, November 1981.

E.C. Jordan Co., 1978. Preliminary Subsurface Investigation, Sludge Landfill Expansion – East Millinocket, Maine, March 21, 1978.

E.C. Jordan Co., 1975. Proposed Bleach Kraft Pulp Mill, Great Northern Paper Company, Millinocket, Maine – Geotechnical Investigation.

Sevee & Maher Engineers, Inc., 1989. Application for License Renewal, Dolby III Landfill, Great Northern Paper Company Millinocket, Maine.

Sevee & Maher Engineers, Inc., 2011. Operating Manual for Dolby III Landfill, East Millinocket, Maine (revised April 2011).

Sevee & Maher Engineers, Inc., 2012. Environmental Monitoring Plan, Dolby Landfill (revised April 2012).

APPENDIX A-1

LANDFILL INSPECTION REPORTS

SME
SEVEE & MAHER
ENGINEERS

SME
SEVEE & MAHER
ENGINEERS

4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Tel: 207.829.5016 • Fax: 207.829.5692
info@smemaine.com
smemaine.com

MEMO TO: Mike Barden, State of Maine **(VIA EMAIL)**

CC: Matt Muzzy, SME

FROM: Brian Pierce, SME BDP

DATE: June 5, 2019

SUBJECT: **LANDFILL AND MANHOLE INSPECTIONS**
SPRING 2019
DOLBY I, II AND III LANDFILLS

The Dolby I, II, and III Landfill (spring quarter) inspection was completed by Brian Pierce of SME on May 14, 2019 and May 15, 2019. The annual Manhole Inspection was performed on May 14, 2019 in accordance with facilities' Leachate Manhole Inspection Plan; manhole inspection included inspection of approximately one-third of all Landfill manholes. The manhole inspection allows inspection of each manhole once every three years. Inspection forms and photographs are attached.

This inspection did not identify maintenance items that need to occur immediately, however, we recommend the MEDECD perform the following maintenance items in 2019. Items 1 through 16 of the following list are located as shown on Figure 1.

1. Seeding and mulching of eroded cover soils associated with the surface swale and south-most riprap downspout on Dolby III – Phase I Cover Upgrade area. The location of this work is shown on attached Figure 1.
2. Repair an area of eroded cover soils (and associated berm) approximately 150-feet north of the surface swale that leads to the south-most riprap downspout on Dolby III – Phase I Cover Upgrade Area. Inspection indicated that erosion has breached the berm in this location and that eroded soils extended approximately 60-feet downslope. Till soil should be placed and compacted within the erosion area, then the area should be fertilized, seeded, and mulched.
3. Repair three gas vent pipes that are loose and/or have come apart on the Dolby III – Phase I Cover Upgrade Area. This work will include hand excavation of cover soil around the three gas vents, cleaning the existing PVC pipes, gluing the pipes back in place, then returning the gas vents and seeding and mulching the disturbed area.
4. Repair of underdrain discharge pipe in the northeast corner of the Dolby III – Phase II Cover Upgrade Area. Inspection indicated that the pipe is loose and needs to be repaired. Repair will include excavating cover soil to uncover the pipe to the first pipe joint, refastening the pipe joint (using Fernco or similar coupling) so that it will not pull out in the future, replacing the cover soils, then fertilizing, seeding and mulching the disturbed area.
5. Repair of ditch erosion located in the northwest most surface swale of the Dolby III – Phase I Cover Upgrade Area. Repair shall include removal of till soils in ditch centerline, placing non-woven geotextile then riprap in the excavated ditch line. A detail for this repair is included as Figure 2.

6. Maintenance of the existing containment berm along the north side of the open area on Dolby III. The containment berm on the downhill edge of the open area has settled over time and currently has minimal freeboard. We recommend the height of the berm at the north end of the open area be increased to include at least 2-feet of freeboard. A detail for the berm is included as Figure 3.

7. Repair of cover soil erosion noted on the south slope of the Dolby III landfill. Repair of this area should include filling rilled erosion areas with till soil, fertilizing, seeding, and installing erosion control matting over the impacted areas.

8. Regrade the waste within the Temporary Disposal Cell on the south side of Dolby III so that the ponded area in the middle of the cell drains to the leachate collection systems on the south end of the disposal cell.

9. Remove woody vegetation from the perimeter of the Dolby III landfill. This work should include removing trees and associated root structure that accompanies it then seeding and mulching all areas disturbed by the tree removal.

10. Replace cover to catch basin near the west sediment basin. This is the same catch basin cover that was clogged and frozen this spring allowing stormwater to flow into the leachate pond. We recommend that the existing catch basin cover (with small openings) be replace with a cover with much larger holes so that leaves and grass will not clog the inlet. The work will include cutting a hole in the existing storm drain cover, inserting a 30-inch diameter bar guard in the cut hole, and placing a delineator post behind the drain so that the catch basin is easily located in snow-cover conditions. A detail for this work is included as Figure 4.

11. Fill animal burrow on the north slope of Dolby III landfill. Use excavated soils to fill burrow holes on the north slope of Dolby III. Should the burrowing animal(s) return they will be removed from the site.

12. Clean and inspect of the leak detection system flow meter. The existing flow sensor within the meter isn't currently working but the totalizer for the system is working. Given this we currently run the system in "manual "(not automatic) because in "automatic" the system senses no flow and will not turn on. Given this issue, we recommend that MSE inspect the leak detection flow meter this summer to determine if the meter needs repair or replacement.

13. Replace the transducer for the leachate pond pump station. The existing leachate pond pump station transducer (installed in the leachate pond sump) is failing occasionally and needs frequent cleaning. The cost of transducer replacement is significantly less than continued transducer maintenance.

14. Clean and inspect the leachate pipeline flow meter. The flow meter occasionally gives erratic readings which can occur when the flow tube on the meter gets dirty. We recommend the meter be removed, cleaned, and inspected during pipeline cleaning this summer/fall.

15. Clean a 70-foot by 100-foot area of the leachate pond inlet area. There is a large delta of sediment in the pond near the pipe inlet. Leachate Pond cleaning wasn't anticipated this year, however, high flows in the leachate collection system this spring moved a significant amount of sediment to the pipe outfall and we recommend the sediment be removed. If the sediment is not removed it will likely end up in the leachate pipeline and will decrease leachate pipeline flow rates. We recommend that brooms and plastic shovels be used for cleaning (i.e. no implements with metal be used) to limit the potential for liner system damage during the cleaning. A plan showing the limits of the recommended pond cleaning are shown in attached Figure 5.

16. Replace sandbags on leachate pond emergency outlet. The existing sandbags on the leachate pond emergency outlet are ripped and loose sand is present. The existing sand should be used to fill new sandbags that are placed on the outlet and covered with geomembrane to limit photodegradation.

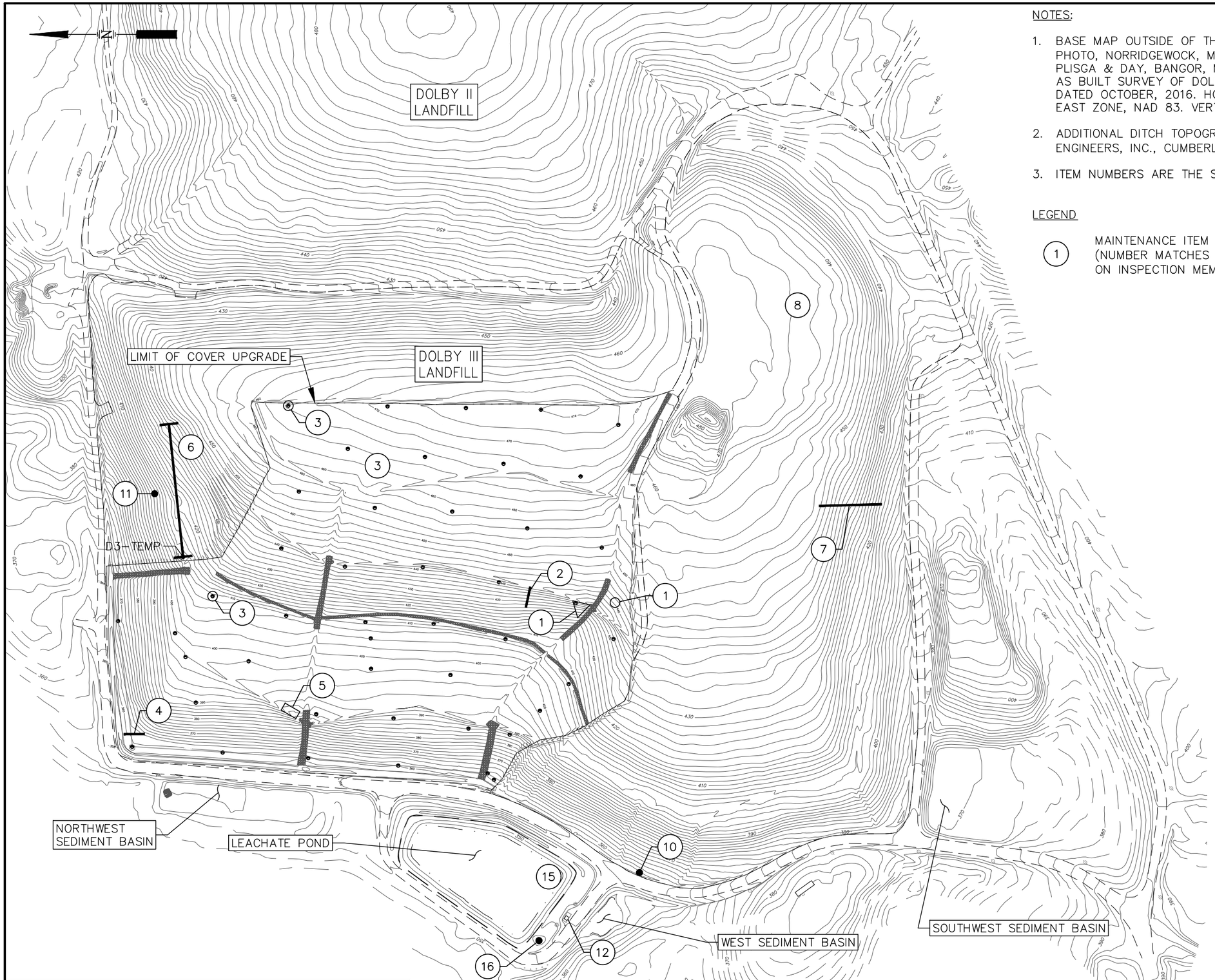
The following maintenance items were identified and should be addressed in time as they are not currently causing problems with landfill operations:

1. Replacement of the culvert crossing the Landfill perimeter road between the southwest corner of Dolby III and the southwest sedimentation basin should be considered as it is damaged (but functional). Replacement of this culvert is anticipated when cover upgrade construction occurs in the southwest corner of the Dolby III landfill.
2. Removal of woody vegetation from Dolby I should be considered as the vegetation is growing in size and abundance.
3. Replacement of utility poles along the leachate pipeline right-of-way should be considered. Several utility poles are currently down and the communications line is lying on the ground for a significant distance. Mid-South Engineering indicates that Verizon refuses to repair the poles or clear the lines until the line no longer works.

Please contact Matt Muzzy or me if you have any questions or require additional information.

Thank you.

Attachments



NOTES:

1. BASE MAP OUTSIDE OF THE LIMIT OF WORK PREPARED BY AERIAL SURVEY & PHOTO, NORRIDGEWOCK, MAINE. PHOTO DATE 10/15/2015. GROUND CONTROL BY PLISGA & DAY, BANGOR, MAINE. BASE MAP INSIDE THE LIMIT OF WORK FROM AS BUILT SURVEY OF DOLBY LANDFILL PHASE 1 BY SARGENT CORPORATION, DATED OCTOBER, 2016. HORIZONTAL DATUM MAINE STATE COORDINATE SYSTEM EAST ZONE, NAD 83. VERTICAL DATUM: NAVD 1929.
2. ADDITIONAL DITCH TOPOGRAPHY ALONG TOE OF LANDFILL BY SEVEE & MAHER ENGINEERS, INC., CUMBERLAND, MAINE, DATED 10/7/2015.
3. ITEM NUMBERS ARE THE SAME AS THOSE ON THE MAY 2019 INSPECTION MEMO.

LEGEND

(1) MAINTENANCE ITEM (NUMBER MATCHES ITEMS ON INSPECTION MEMO)

125 0 250 FEET

FIGURE 1
DOLBY III SITE PLAN–2019
MAINE BUREAU OF GENERAL SERVICES
EAST MILLINOCKET, MAINE

SME
SEVEE & MAHER
ENGINEERS

DWG: INSPECTIONS LMN: GAS VENT INSPECTION CTB: SME-STD REV: 6/5/2019

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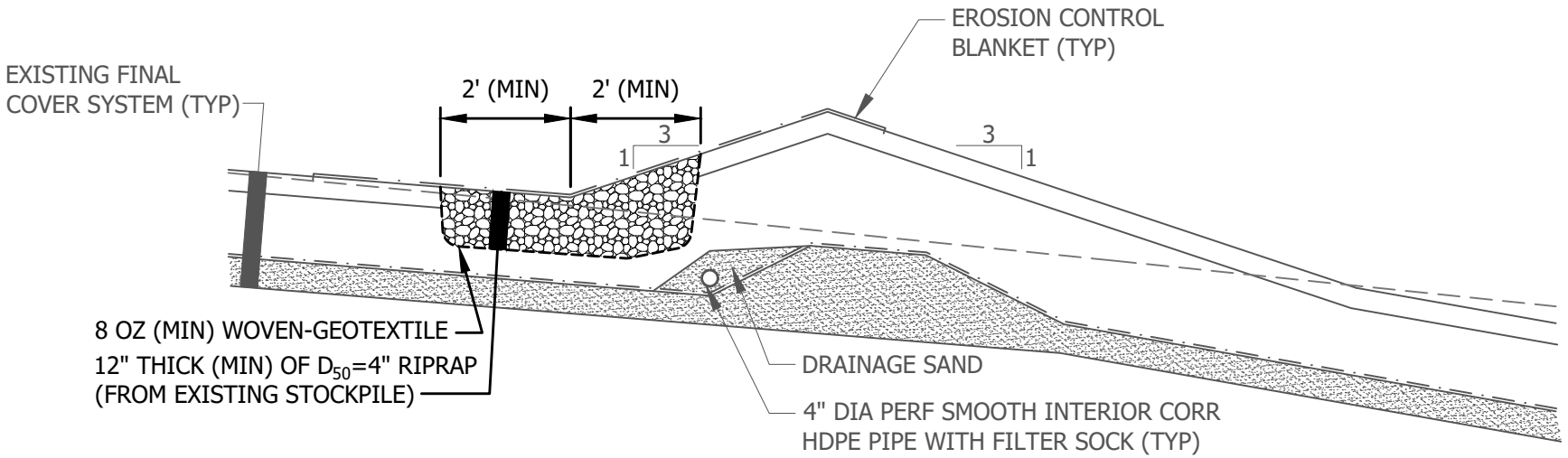

NOT TO SCALE

FIGURE 2
SURFACE SWALE REPAIR
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

SME
SEVEE & MAHER
ENGINEERS

DWG: LPOND LMN: CLEANING CTB: SME-STD REV: 5/21/2019

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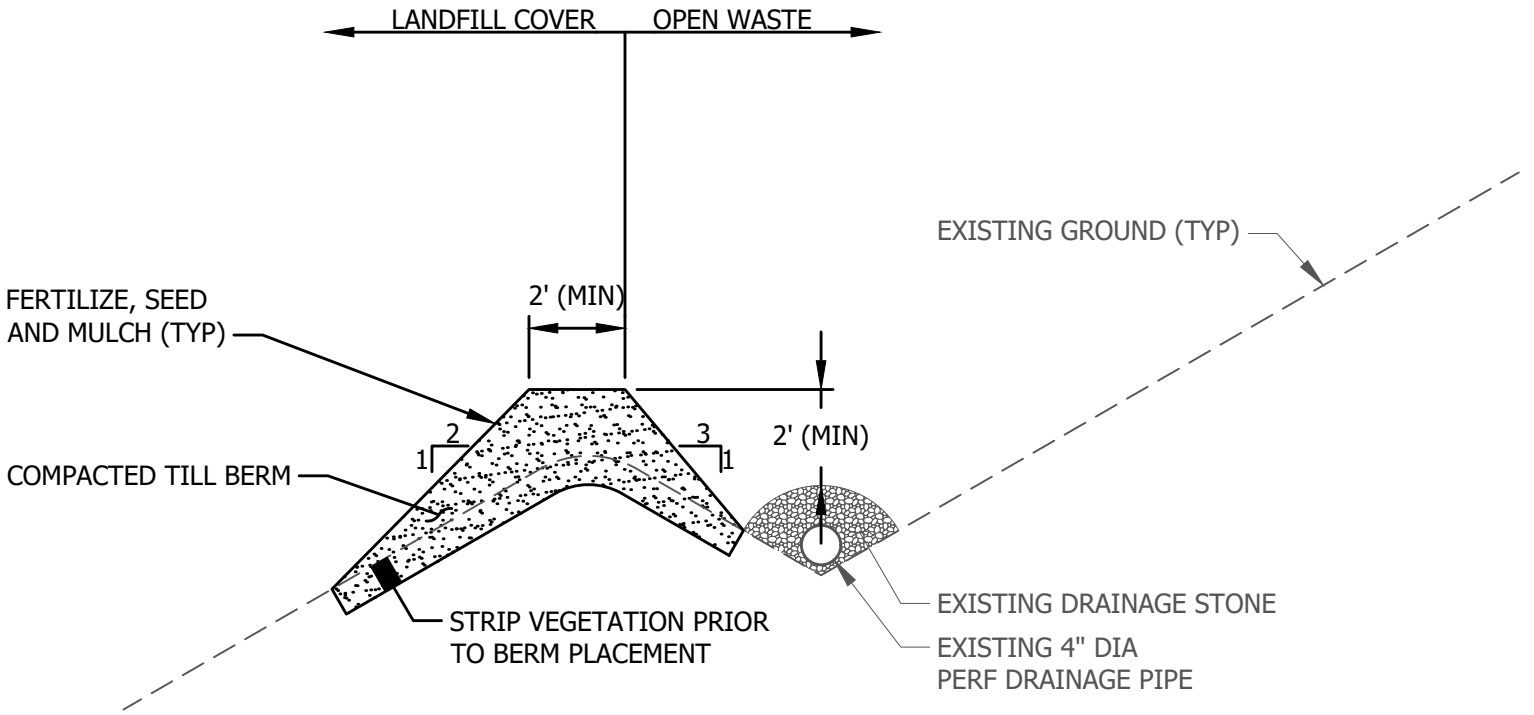

NOT TO SCALE

FIGURE 3
CONTAINMENT BERM MAINTENANCE
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

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ENGINEERS

DWG: LPOND LMN: CLEANING CTB: SME-STD REV: 5/21/2019

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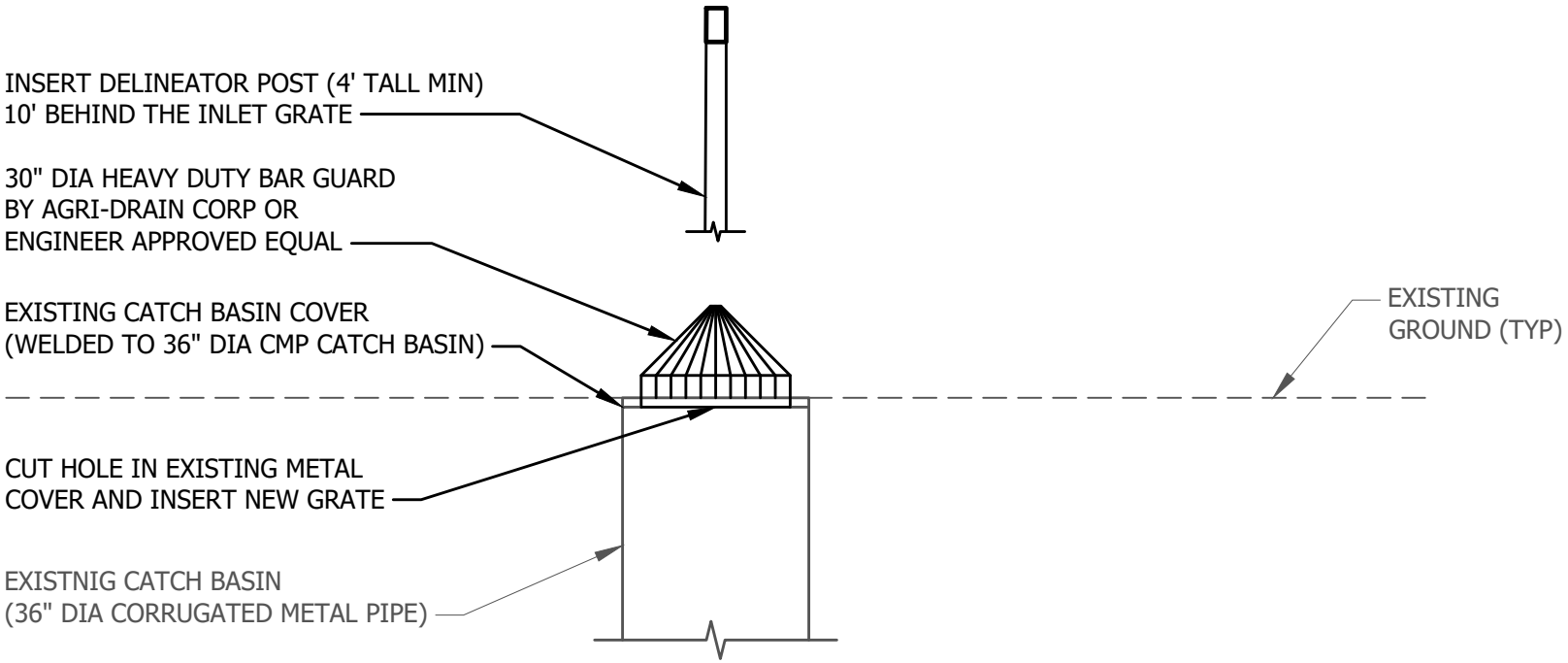

NOT TO SCALE

FIGURE 4
DOLBY III CATCH BASIN ALTERNATE
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

SME
SEVEE & MAHER
ENGINEERS

DWG: LPOND LMN: CLEANING CTB: SME-STD REV: 5/21/2019

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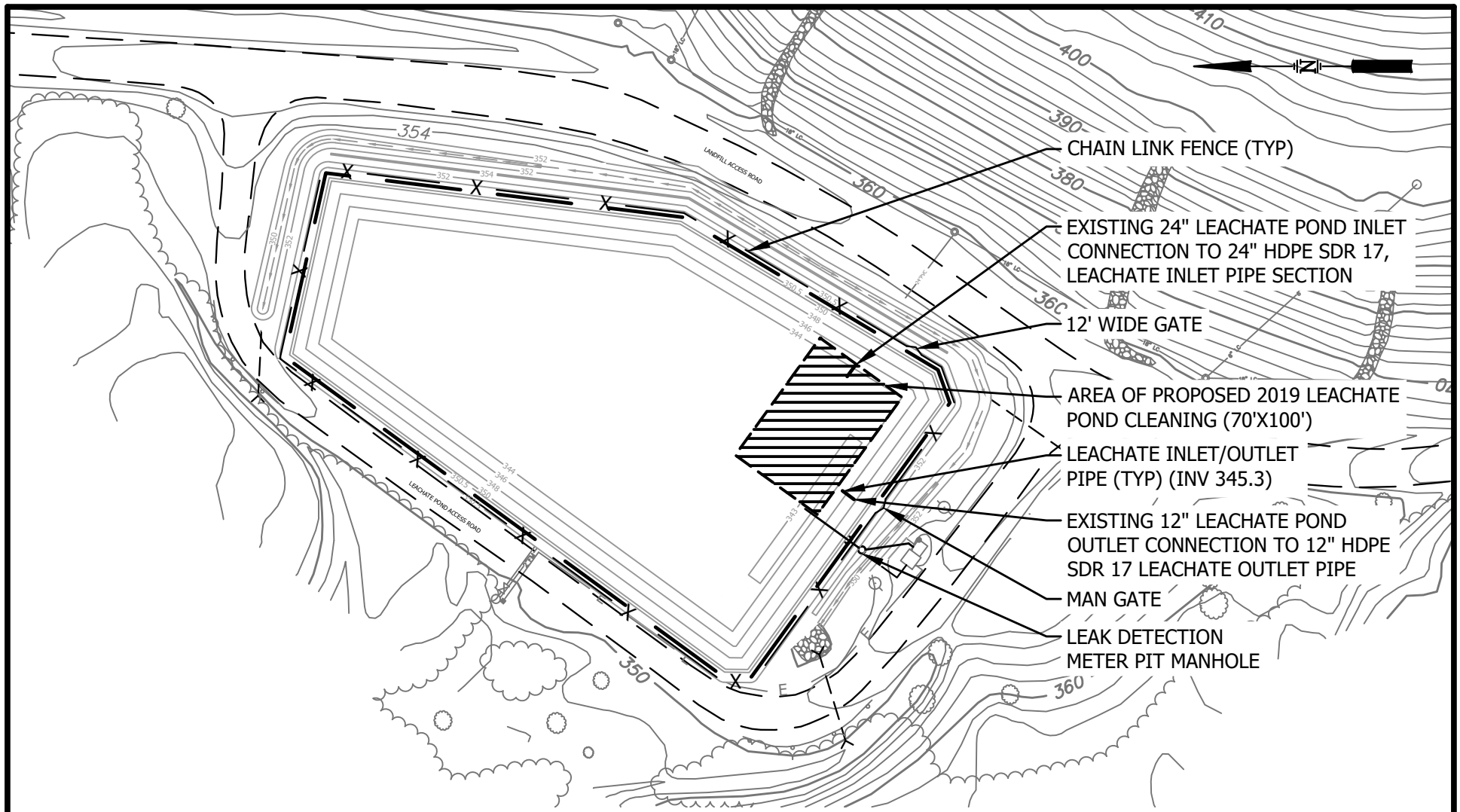

NOTES:

1. PLAN COMPILED FROM AERIAL PHOTOGRAPH DATED AUGUST 18, 2005.
2. AERIAL PHOTOGRAPHY AND BASE MAP PERFORMED BY AERIAL SURVEY & PHOTO, INC. OF NORRIDGEWOCK, MAINE. GROUND CONTROL PROVIDED BY PLISGA & DAY OF BANGOR, MAINE. STANDARD PRACTICE DICTATES THAT PLANS COMPILED IN THIS MANNER BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. EXISTING TOPOGRAPHY SHOWN AT 2-FOOT INTERVALS AND REPRESENT GRADES AT THE TIME OF THE SURVEY.
4. ALL SITE AND CONSTRUCTION ACTIVITIES SHALL REMAIN IN COMPLIANCE WITH MEDEP AND BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL AND EXISTING PERMITTING REQUIREMENTS FOR THE SITE INCLUDING FEDERAL, STATE AND LOCAL PERMITS.
5. GRADES SHOWN, WITHIN POND LIMIT ARE BASE GRADES, PRIOR TO CONSTRUCTION OF POND COMPOSITE LINER SYSTEM. PROPOSED GRADES SHOWN OUTSIDE OF POND LIMIT REPRESENT SUBGRADE (I.E. BOTTOM OF TOPSOIL).

DWG: LPOND LMN: CLEANING CTB: SME-STD REV: 5/21/2019

FIGURE 5
LEACHATE POND
PROPOSED CLEANING AREA 2019
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

SME
SEVEE & MAHER ENGINEERS

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First Inspection 2019

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DOLBY LANDFILL
LANDFILL INSPECTION CHECKLIST

Date: May 14 & 15, 2019 Time: : 10:00 a.m. to 3:00 p.m.

Weather: Overcast with Rain 40-50 Inspected By: BDP

Item	Condition	
DOLBY I LANDFILL	**Ok**	**Not Ok**
COVER SYSTEM		
Erosion, Channeling, Eruptions	X	
Poor Drainage, Ponding		X (1)
Excessive Settling, Crack Development	X	
Grass Die-off-Failure to Thrive	X	
Mowing Required		X(2)
Germination of Trees, Deep Root Vegetation		X(2)
Animal Burrowing	X	
COLLECTION PONDS		
West End Pond Level (low, medium, or high)	X (High)	
East End Pond Level (low, medium, or high)	X(High)	
Vegetative Build-up in Ponds (Cat Tails and Trees)		X(2)
ACCESS GATES		
Gates Secured and Working Properly (Facility Main Gates)	X	
Road Accessible by Vehicle	X	
DOLBY II LANDFILL		
COVER SYSTEM		
Erosion, Channeling, Eruptions	X	
Poor Drainage, Ponding	X	
Excessive Settling, Crack Development	X	
Grass Die-off, Failure to Thrive	X(3)	
Mowing Required	X	
Germination of Trees, Deep Root Vegetation	X (4)	
Animal Burrowing	X	
PERIMETER DRAIN CATCH BASINS		
Build-up Sediment in Catch Basins	X	
Flow Conditions (low, medium, or high)	X (Med/High)	
Catch Basins Intact and Serviceable	X	
LEACHATE HOLDING POND		
Iron Staining (wooded area east of pond)	X	
Holding Pond Level	X (Med/High)	
DOLBY III LANDFILL		
COVER SYSTEM		
Erosion, Channeling, Eruptions	X	X (3,5,10)
Excessive Settling, Crack Development	X	
Grass Die-off-Failure to Thrive	X (3)	
Mowing Required	X	
Germination of Trees, Deep Root Vegetation		X (9)
Poor Drainage, Ponding	X	
Animal Burrowing	X	X(11)
Access Road Condition	X	
Gas Vent Pipes		X(12)
Active Area Berm		X(13)
PERIMETER DRAIN AND CATCH BASINS		
Build-up of Sediment in Catch Basins	X	
Valves Functioning Properly (free turning)	X	

First Inspection 2019

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Item	Condition	
LEACHATE COLLECTION POND	**Ok**	**Not OK**
LINER		
Condition of Liner (rips, holes, torn seams)	X	
LEACHATE PUMP STATION		
Build-up Sediment in Wetwells or Leachate Pond		X(15)
Pumps Functioning Properly (amps, noises)	X	
Valves Functioning Properly (free turning)	X	
Flow Conditions (low, medium, or high)	X (Med/High)	
Properly Vented	X	
Electrical Panel Inspection (corrosion, etc.)	X	
Flow Meter Inspection	X(6)	
Transducer		X(14)
LEAK DETECTION SYSTEM		
Pump functioning properly (amps, noises)	X	
Flow Conditions (low, medium, high)	X (Med/High)	
Flow Meter Inspection	X (6)	
Control Panel Inspection	X	
UNDERDRAIN PUMPING SYSTEM		
Pump functioning properly	X	
Flow Conditions	X (High)	
SITE SEDIMENTATION STRUCTURES		
NORTHWEST SEDIMENT POND (SEDIMENT POND 3)		
Check Outlet Structure for Condition	X	
Water Level (low, medium, or high)	X (Med/High)	
WEST SEDIMENT POND (SEDIMENT POND 2)		
Check Outlet Structure for Condition	X	
Water Level (low, medium, or high)	X (Med/High)	
SOUTHWEST SEDIMENT POND (SEDIMENT POND 1)		
Check Outlet Structure for Condition	X	
Water Level (low, medium, or high)	X (Med/High)	
SITE ROADWAYS AND DRAINAGE		
Check Catch Basins for Build-up of Sediment	X	
Check Culverts for Blocked Drainage and/or damage	X	
Check Monitoring Wells for Visual Damage	X (7)	
General condition of Perimeter Roadways	X	
LEACHATE PIPELINE		
Check Manhole Exterior Condition	X	
Check Transition Station Exterior Condition	X	
Check Aboveground Utility Line to the Transition Station	X (8)	
General condition of Leachate Pipeline Access Road	X	

First Inspection 2019

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SEVEE & MAHER
ENGINEERS

COMMENTS:

(1) Growth of Cattails was noted on the south side of the Dolby I cover system, however, no standing water was observed.

(2) Woody Vegetation observed on Dolby I cover system was most significant in downspouts and stormwater ponds. Majority of wood is poplar/alder/birch, however, spruce/pine are beginning to grow also.

(3) Small areas of sparse grass vegetation (failure to thrive) on Dolby II and III landfills.

(4) Tree growth noted in grass ditches outside landfill limits on south and east sides of Dolby II and Dolby III landfills.

(5) Cap erosion noted in three locations on Phase I of Dolby III Cover Upgrade area.

(6) Leak Detection Flow rate meter is not working but the leak detection flow totalizer is working. Given this, the leak detection pumps must be run in "hand" as the system will not continue to run in auto if no flow is sensed by the flow rate meter.

(7) Visual observation of wells is performed during each environmental monitoring event.

(8) Two poles are broken and power line is on or near the ground for several hundred feet. Several trees are leaning against the power lines. Verizon indicates that they will not repair the line unless service is interrupted to the transition station. Loss of communications to the transition station will shut down pumps until the system is overridden by hand.

(9) Several trees were noted in perimeter drainage channels and around drainage structures where mowing is difficult. These trees will be addressed/removed during the next phase of final cover placement.

(10) One erosion area on the south side of Dolby III is significant and should be addressed the next time earthwork is performed at the site.

(11) Animal burrow observed on the north slope of Dolby III

(12) Three gas vent pipes need repair as the risers are loose and need to be reglued.

(13) Berm on north side of active area has very little freeboard.

(14) Transducer in leachate pond wet well fails occasionally and needs replacement.

(15) Sediment delta observed at the pipe inlet to the leachate pond.

RECOMMENDED ACTIONS:

- See inspection memo for recommendations.

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Phase 1 Cover Upgrade – Gas Vent (Item 3)

Dolby II North Side

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Southwest Sediment Basin

West Sediment Basin

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby II Leachate Pond

Dolby III Catch Basin
(Item 10)

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby Leachate Pond

Leachate Pond Underdrain Pump Station

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Northwest Sediment Basin

East Side of Dolby III Phase 1 Cover Upgrade

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Phase 1 Cover Upgrade Erosion Repair (Item 5)

Dolby III Phase 1 Cover Upgrade Area

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Landfill North Side Animal Burrow (Item 11)

Dolby III Phase 1 Cover Upgrade Erosion Repair (Item 2)

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III North Side Containment Berm (Item 6)

Dolby III North Side Containment Berm (Item 6)

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Catch Basin (Item 10)

View form Dolby II

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Temporary Cell

Dolby III Temporary Cell Ponding (Item 8)

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Temporary Cell

Dolby III Temporary Cell

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Temporary Cell

Dolby I Stormwater Basin

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby I Landfill

Dolby I Landfill

May 14/15, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby Leachate Pipeline R.O.W. Utility Line

Dolby Leachate Pipeline R.O.W. Utility Line

N

DOLBY II LANDFILL

DOLBY III LANDFILL

CB #43
EXISTING CB
DRAINAGE MANHOLE D2S–#3
DRAINAGE MANHOLE D2S–#2
LEACHATE HOLDING POND
DRAINAGE MANHOLE D2S–#4
CB #42
18" PVC
12" HDPE PIPE
LEACHATE COLLECTION MAIN
DRAINAGE MANHOLE D2S–#2A
DRAINAGE MANHOLE D2S–#1
CB #41
DRAINAGE MANHOLE D2–#3
CB #40
12" HDPE
DRAINAGE MANHOLE D2S–#5
CB #39
DRAINAGE MANHOLE D2–#2
DRAINAGE MANHOLE D2–#4
18" HDPE
CB #38
DRAINAGE MANHOLE D2–#5
CB #45
CB #37
DRAINAGE MANHOLE D2–#1
12" HDPE
18" PE
CB #44
DRAINAGE MANHOLE D2–#6
CB #22
CB #23
DRAINAGE MANHOLE D2–#7
12" PVC
CB #36
CB #21
CB #24
CB #35
CB #20
CB #25
CB #18
CB #19
CB #17
CB #34
DRAINAGE MANHOLE D3–#8
CB #14
CB #33
CB #16 (BURIED)
CB #15 (BURIED)
CB #13
D3–TEMP
CB #12 (BURIED)
CB #10
CB #32
DRAINAGE MANHOLE D3–#9
DRAINAGE MANHOLE D3–#7 (BURIED)
CB #11 (BURIED)
DRAINAGE MANHOLE D3–#6 (BURIED 2016)
DRAINAGE MANHOLE D3–#10 (BURIED 2016)
CB #9
DRAINAGE MANHOLE D3–#1
CB #8
CB #31 (BURIED 2016)
CB #30 (BURIED 2016)
CB #1 (BURIED)
DRAINAGE MANHOLE D3–#5
CB #29 (BURIED 2016)
CB #28 (BURIED 2016)
CB #27 (BURIED 2016)
SOUTHWEST SEDIMENT BASIN
DRAINAGE MANHOLE D3–#2
CB #2
DRAINAGE MANHOLE D3–#4
CB #7
CB #26 (BURIED 2016)
CB #3
CB #6
CB #6A
VALVE
CB #4
CB #5
OPERATOR'S TRAILER
NORTHWEST SEDIMENT BASIN
CATCH BASIN
WEST SEDIMENT BASIN
LEACHATE PUMP STATION AND WET WELL
LEACHATE POND UNDERDRAIN PUMP STATION

LEGEND

- ABANDONED OR BURIED CATCH BASIN/MANHOLE

150 0 300 FEET

DWG: PIPE–LOCATION LMN: FIGURE 2 CTB:PIPE–LOC REV: 6/5/2019

FIGURE 6
EXISTING MANHOLE AND CATCH BASIN PLAN
DOLBY II & III LANDFILLS

SME
SEVEE & MAHER ENGINEERS

\\Nserver\dfs\Kpc\Do\IACAD\Pipe-Location.dwg, 6/5/2019 11:54:57 AM, sjm

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #36

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:36 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

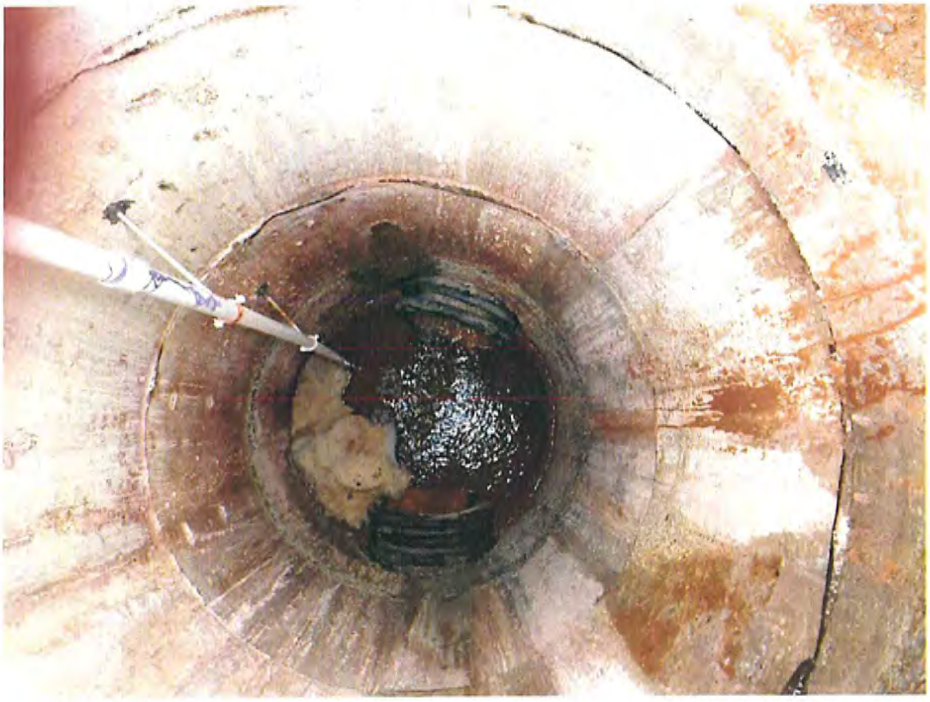
Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photo CB-36a, CB-36b

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019



CB #36 Interior

CB #36 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #37

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:34 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photo CB-37A, CB-37B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

CB #37 Interior

CB #37 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #38

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:28 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

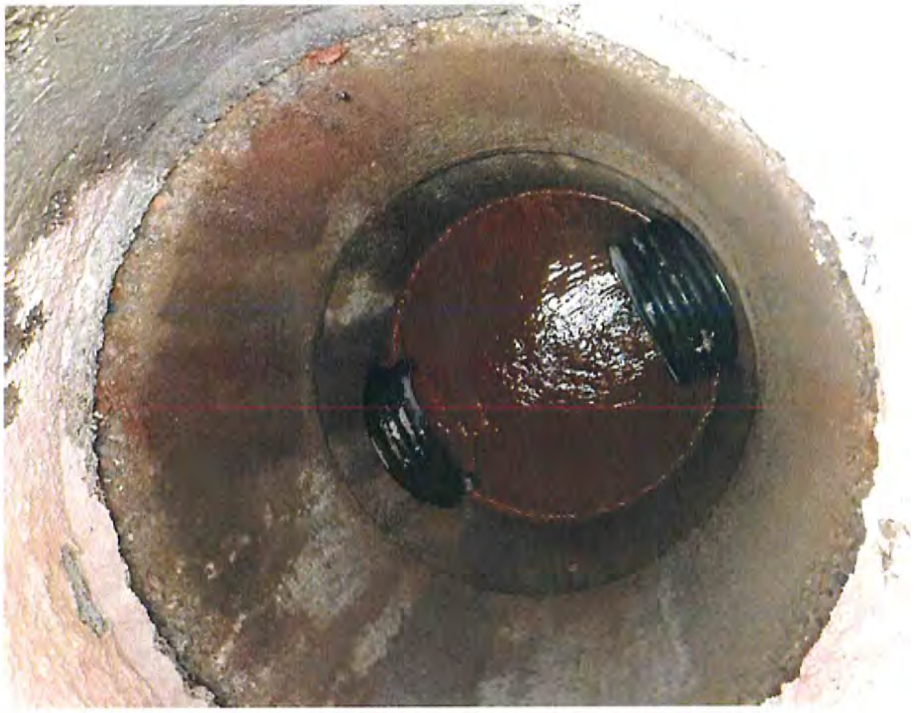
Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photo CB-38A, CB-38B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019



CB #38 Interior

CB #38 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #39

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:26 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photo CB-39A, CB-39B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

CB #39 Interior

CB #39 Enterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #40

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:25 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos CB-40A, CB-40B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

CB #40 Interior

CB #40 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #41

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:22 p.m.

Weather: Overcast, 50's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos CB-41A, CB-41B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

CB #41 Interior

CB #41 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #42

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:20 p.m.

Weather: Overcast, 50's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

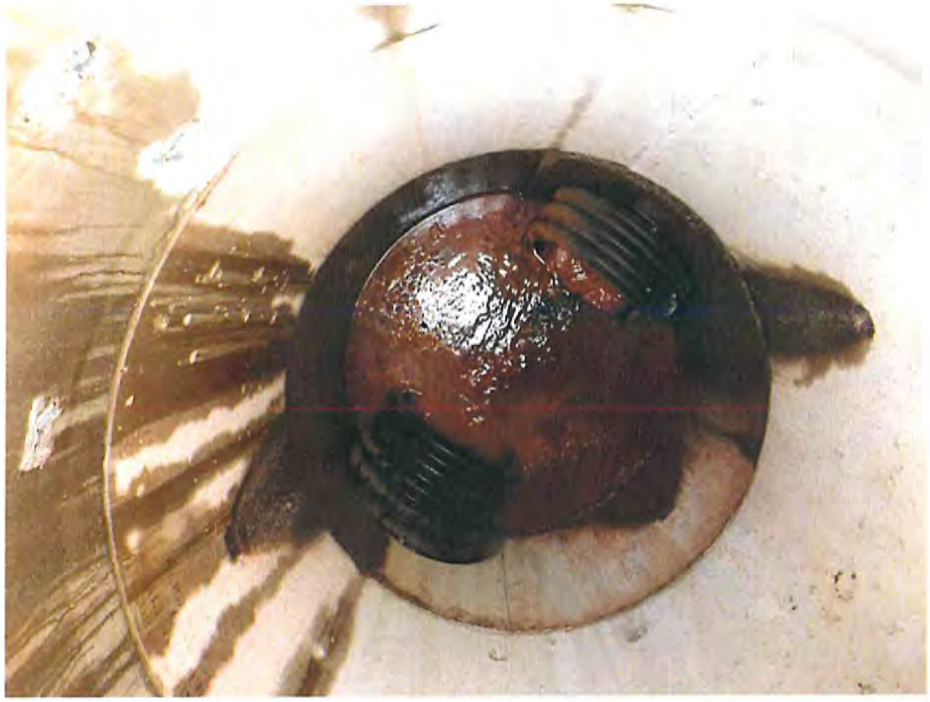
Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos CB-42A, CB-42B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019



CB #42 Interior

CB #42 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #43

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:18 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos CB-43A, CB-43B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

CB #43 Interior

CB #43 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB-44

Landfill Location: Dolby II

Date: 5/14/2019 Time: 11:58 a.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2019

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good Condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): na

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos CB-44A, CB-44B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

CB #44 Interior

CB #44 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB-45

Landfill Location: Dolby II

Date: 5/14/2019 Time: 11:59 a.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos CB-45A, CB-45B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

CB #45 Interior

CB #45 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2-1

Landfill Location: Dolby II

Date: 5/14/2019 Time: 11:00 a.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2019

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: Observed in bottom 4'...1/2 depth max

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2-1A, D2-1B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2 #1 Interior

D2 #1 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2-2

Landfill Location: Dolby II

Date: 5/14/2019 Time: 10:49 a.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

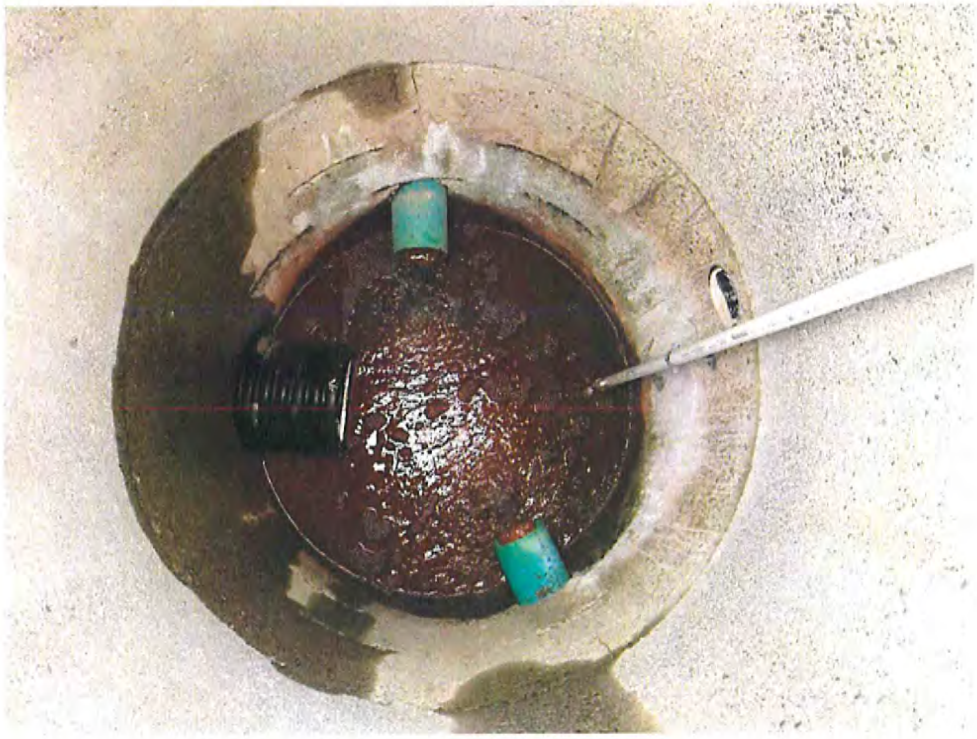
Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2-2A, D2-2B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019



D2 #2 Interior

D2 #2 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2-3

Landfill Location: Dolby II

Date: 5/14/2019 Time: 10:39 a.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: Observed in bottom 4'...1/2 depth max

Seeps: None Observed

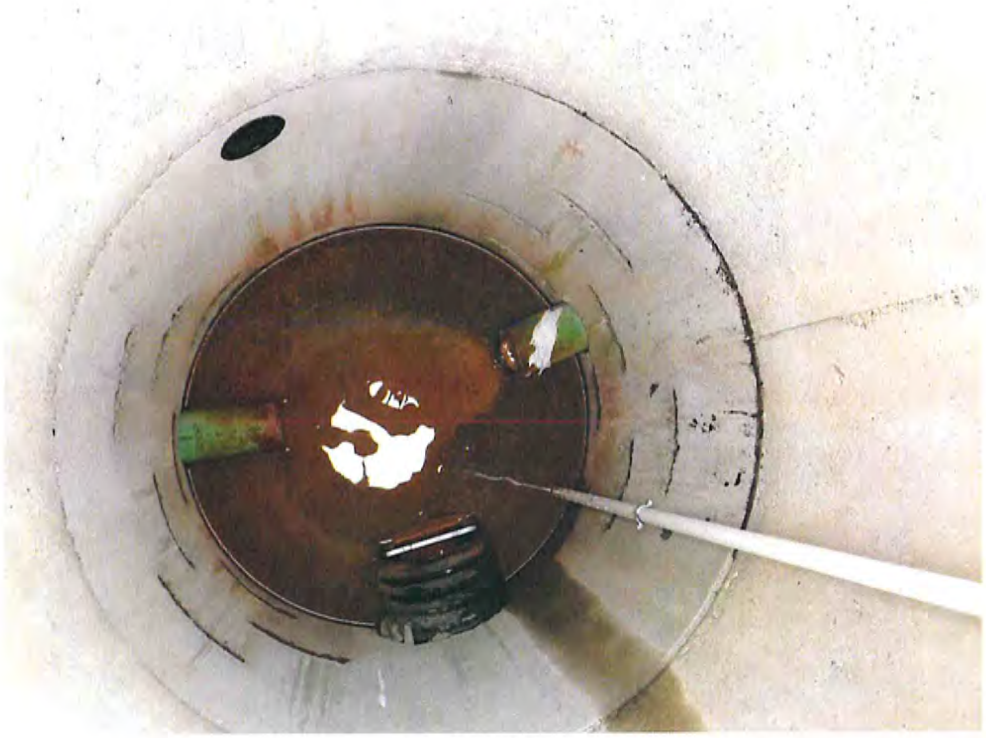
Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2-3A, D2-3B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019



D2 #3 Interior

D2 #3 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2-4

Landfill Location: Dolby II

Date: 5/14/2019 Time: 10:18 a.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2-4A, D2-4B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2 #4 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2-5

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:40 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2-5A, D2-5B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2 #5 Interior

D2 #5 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2-6

Landfill Location: Dolby II

Date: 5/14/2019 Time: 11:43 a.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photo D2-6A, D2-6B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2 #6 Interior

D2 #6 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2-7

Landfill Location: Dolby II

Date: 5/14/2019 Time: 11:23 a.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: Odor

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: Observed in bottom 4'...1/2 depth max

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photo D2-7A, D2-7B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2 #7 Interior

D2 #7 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2S-#1

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:14 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: Standing water observed, therefore, no pipes observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2S-1A, D2S-1B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2S #1 Interior

D2S #1 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2S-#2

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:11 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

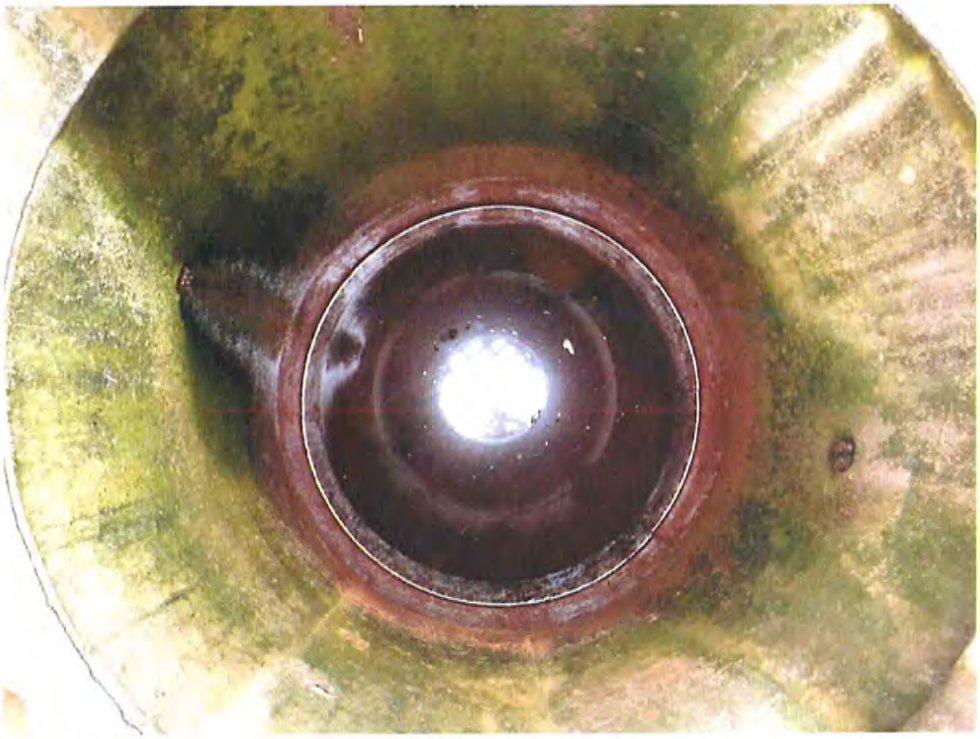
Other: Standing water observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2S-2A, D2S-2B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019



D2S #2 Interior

D2S #2 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2S-#2A

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:13 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: Standing water observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2S-2AA, D2S-2AB

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2S #2A Interior

D2S #2A Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2S-#3

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:08 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2S-3A, D2S-3B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2S #3 Interior

D2S #3 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2S-#4

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:05 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2019

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2S-4A, D2S-4B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2S #4 Interior

D2S #4 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: D2S-#5

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:04 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos D2S-5A, D2S-5B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

D2S #5 Interior

D2S #5 Exterior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: EXISTING-CB

Landfill Location: Dolby II

Date: 5/14/2019 Time: 12:16 p.m.

Weather: Overcast, 40's Inspected by: BDP

Date of last inspection: 5/5/2016

Exterior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Interior Condition (Comments): Good condition

Cracks: None Observed

Holes: None Observed

Flaking: None Observed

Seeps: None Observed

Other: None Observed

Corrective Action required (Y/N): no

Date and Details of Corrective Actions (if needed): n/a

Attachments: Photos CB-A, CB-B

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
May 14, 2019

CB Interior

CB Exterior

SME
SEVEE & MAHER
ENGINEERS

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smemaine.com

MEMO TO: Jody Breton, State of Maine **(VIA EMAIL)**

CC: Matt Muzzy, Sevee & Maher Engineers

FROM: Brian Pierce, Sevee & Maher Engineers

DATE: September 5, 2019

SUBJECT: **AUGUST 2019 LANDFILL REPAIR/MAINTENANCE**
DOLBY LANDFILL, EAST MILLINOCKET, MAINE

Based on the Dolby I, II, III Landfill (spring quarter) inspection, Sevee & Maher Engineers (SME) identified 16 repair/maintenance items that were recommended to be performed during the summer of 2019. SME contracted Thornton Construction of Milford, Maine to perform 11 of the items (#1, 2, 3, 4, 5, 6, 7, 8,10,11 and 16) outlined in a June 5, 2019 memo to Mike Barden, State of Maine. Thornton Construction completed 10 of these tasks during the period of August 19, 2019 and August 22, 2019. Item 11 was not performed as both Thornton Construction and SME were unable to locate the animal burrow due to tall grass and foliage.

Items 12 and 13 (inspection of leak detection system flow meter and replacement of the transducer at the pump station) will be performed by Mid-South Engineering (MSE) in the fall of 2019.

Item 14 included inspection and cleaning of the leachate pipeline flow meter. This work was performed by MSE during the week of August 19, 2019.

Photographs taken during and after the maintenance/repair items were completed are attached.

AUGUST 2019 LANDFILL REPAIR PHOTOGRAPHS
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Item 1: Seeding and mulching cover soil

Item 1: Seeding and mulching cover soil

Item 2: Repairing a 60’ length of eroded cover soil

Item 2: Repair of berm that had breached

AUGUST 2019 LANDFILL REPAIR PHOTOGRAPHS
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Item 3: Gas vent repair

Item 3: Gas vent repair

Item 4: Underdrain discharge pipe repair

Item 5: Ditch erosion repair

AUGUST 2019 LANDFILL REPAIR PHOTOGRAPHS
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Item 5: Ditch erosion repair

Item 5: Ditch erosion repair

Item 6: Containment berm maintenance

Item 6: Containment berm maintenance

AUGUST 2019 LANDFILL REPAIR PHOTOGRAPHS
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Item 7: Cover soil repair

Item 7: Cover soil repair

Item 8: Regrade of temporary disposal cell to allow improved drainage

Item 8

AUGUST 2019 LANDFILL REPAIR PHOTOGRAPHS
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Item 10: Catch basin inlet modification

Item 10: Catch basin inlet modification

Item 16: Sandbag replacement

SME
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MEMO TO: Jody Breton, State of Maine **(VIA EMAIL)**

CC: Matt Muzzy, SME

FROM: Brian Pierce, SME

DATE: September 5, 2019

SUBJECT: **LANDFILL INSPECTION**
SUMMER 2019
DOLBY I, II AND III LANDFILLS

The Dolby I, II, and III Landfill (summer quarter) inspection was performed by Brian Pierce of SME on August 19, 2019 with a follow-up inspection by Brian Bardwell of SME on August 27, 2019. Inspection forms and photographs are attached.

Similar to the spring 2019 inspection, this inspection did not identify maintenance items that need to occur immediately, however, it did identify 16 items that should be performed in 2019. No additional items were noted during the summer 2019 landfill inspection.

Thornton Construction of Milford, Maine completed the maintenance/repair work related to Items 1 through 10 and Item 16 listed in the spring 2019 inspection summary shortly after the summer 2019 landfill inspection and during the week of August 19, 2019. Maintenance Item 15 of the spring 2019 report (cleaning the leachate pond) was completed by ACV Enviro of Skowhegan, Maine on August 21, 2019. A summary of the maintenance items performed by Thornton and ACV are included in a separate memo dated September 5, 2019.

In addition to the construction listed above, Mid-South Engineering (MSE) inspected and cleaned the leachate pipeline flow meter. This work corresponds to Item 14 on the spring 2019 inspection memo.

The following maintenance items have not currently been addressed, but are expected to be before the end of 2019. For consistency the numbering of the maintenance items remains consistent with the spring 2019 report.

11. Fill animal burrow on the north slope of Dolby III landfill. Use excavated soils to fill burrow holes on the north slope of Dolby III. Should the burrowing animal(s) return they will be removed from the site.
12. Clean and inspect of the leak detection system flow meter. The existing flow sensor within the meter isn't currently working but the totalizer for the system is working. Given this we currently run the system in "manual" (not automatic) because in "automatic" the system senses no flow and will not turn on. Given this issue, we recommend that MSE inspect the leak detection flow meter this summer to determine if the meter needs repair or replacement.
13. Replace the transducer for the leachate pond pump station. The existing leachate pond pump station transducer (installed in the leachate pond sump) is failing occasionally and needs frequent cleaning. The cost of transducer replacement is significantly less than continued transducer maintenance.

The following maintenance items were identified and should be addressed in time as they are not currently causing problems with landfill operations:

1. Replacement of the culvert crossing the Landfill perimeter road between the southwest corner of Dolby III and the southwest sedimentation basin should be considered as it is damaged (but functional). Replacement of this culvert is anticipated when cover upgrade construction occurs in the southwest corner of the Dolby III landfill.
2. Removal of woody vegetation from Dolby I should be considered as the vegetation is growing in size and abundance.
3. Replacement of utility poles along the leachate pipeline right-of-way should be considered. Several utility poles are currently broken, and the communications line is lying on the ground for a significant distance. Mid-South Engineering indicates that the poles and lines belong to Verizon and they will not repair the poles or clear the lines until the line no longer works.

Please contact Matt Muzzy or me if you have any questions or require additional information.

Thank you.

Attachments

August 19, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby I Cover System

Dolby I – West End Pond

August 19, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby I – East End Pond

Dolby II/Dolby III Cover System

August 19, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby II Cover System

Dolby III Cover System

August 19, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby Leachate Pond

Dolby Leachate Pond

August 19, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III West Pond Outlet

Dolby III Temporary Disposal Cell

August 19, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Leachate Pipeline Access Ramp

Leachate Pipeline Transition Station

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MEMO TO: John Blais, State of Maine **(VIA EMAIL)**

CC: Matt Muzzy, SME

FROM: Brian Pierce, SME

DATE: October 31, 2019

SUBJECT: **LANDFILL INSPECTION**
FALL 2019
DOLBY I, II AND III LANDFILLS

The Dolby I, II, and III Landfill (fall quarter) inspection was performed by Brian Pierce of SME on October 14, 2019. Inspection forms and photographs are attached.

This inspection identified two maintenance items that have not currently been addressed but are expected to be before the end of 2019. The numbering of the maintenance items is consistent with the comments from the attached fall 2019 Landfill Inspection Checklist:

5. Replace the leak detection system flow meter. The existing flow meter isn't working and needs replacement as it establishes the leakage rate for the leak detection system which is required by the MEDEP.
10. Replace the transducer for the leachate pond pump station. The existing leachate pond pump station transducer (installed in the leachate pond sump) is failing occasionally and needs frequent cleaning. The cost of transducer replacement is significantly less than continued transducer maintenance.

The following maintenance items were identified and can be addressed in the future as they are not currently causing problems with landfill operations:

1. Replacement of the culvert crossing the Landfill perimeter road between the southwest corner of Dolby III and the southwest sedimentation basin. The culvert is damaged (but functional). Replacement of this culvert is anticipated when cover upgrade construction occurs in the southwest corner of the Dolby III landfill.
2. Replacement of utility poles along the leachate transport pipeline right-of-way. Several utility poles are currently broken, and the communications line supported by the poles is lying on the ground for a significant distance. Mid-South Engineering indicates that the poles and line belongs to Verizon and they will not repair the poles or clear the lines until an interruption in service occurs.
3. The animal burrow noted on the north side of Dolby III cover should be filled in the spring of 2020.

Please contact Matt Muzzy or me if you have any questions or require additional information.

Thank you.

Attachments

DOLBY LANDFILL
LANDFILL INSPECTION CHECKLIST

Date: October 14, 2019 Time: 11:00 a.m. to 5:00 p.m.

Weather: Overcast 60's F Inspected By: BDP

Item	Condition	
DOLBY I LANDFILL	**Ok**	**Not Ok**
COVER SYSTEM		
Erosion, Channeling, Eruptions	**X**	
Poor Drainage, Ponding	**X (1)**	
Excessive Settling, Crack Development	**X**	
Grass Die-off-Failure to Thrive	**X**	
Mowing Required	**X (2)**	
Germination of Trees, Deep Root Vegetation	**X (2)**	
Animal Burrowing	**X**	
COLLECTION PONDS		
West End Pond Level (low, medium, or high)	**X (Low)**	
East End Pond Level (low, medium, or high)	**X(Low)**	
Vegetative Build-up in Ponds (Cat Tails and Trees)	**X**	
ACCESS GATES		
Gates Secured and Working Properly (Facility Main Gates)	**X**	
Road Accessible by Vehicle	**X**	
DOLBY II LANDFILL		
COVER SYSTEM		
Erosion, Channeling, Eruptions	**X**	
Poor Drainage, Ponding	**X**	
Excessive Settling, Crack Development	**X**	
Grass Die-off, Failure to Thrive	**X(3)**	
Mowing Required (Mowing Should Occur Next Year due to Woody Vegetation)	**X**	
Germination of Trees, Deep Root Vegetation	**X (4)**	
Animal Burrowing	**X**	
PERIMETER DRAIN CATCH BASINS		
Build-up Sediment in Catch Basins	**X**	
Flow Conditions (low, medium, or high)	**X (Low)**	
Catch Basins Intact and Serviceable	**X**	
LEACHATE HOLDING POND		
Iron Staining (wooded area east of pond)	**X**	
Holding Pond Level	**X (Low)**	
DOLBY III LANDFILL		
COVER SYSTEM		
Erosion, Channeling, Eruptions	**X**	
Excessive Settling, Crack Development	**X**	
Grass Die-off-Failure to Thrive	**X (3)**	
Mowing Required	**X**	
Germination of Trees, Deep Root Vegetation	**X (8)**	
Poor Drainage, Ponding	**X**	
Animal Burrowing	**X (9)**	
Access Road Condition	**X**	
Gas Vent Pipes	**X**	
Active Area Berm	**X**	
PERIMETER DRAIN AND CATCH BASINS		
Build-up of Sediment in Catch Basins	**X**	
Valves Functioning Properly (free turning)	**X**	

Item	Condition	
LEACHATE COLLECTION POND	**Ok**	**Not OK**
LINER		
Condition of Liner (rips, holes, torn seams)	**X**	
LEACHATE PUMP STATION		
Build-up Sediment in Wetwells or Leachate Pond	**X**	
Pumps Functioning Properly (amps, noises)	**X**	
Valves Functioning Properly (free turning)	**X**	
Flow Conditions (low, medium, or high)	**X (Low)**	
Properly Vented	**X**	
Electrical Panel Inspection (corrosion, etc.)	**X**	
Flow Meter Inspection	**X**	
Transducer		**X(10)**
LEAK DETECTION SYSTEM		
Pump functioning properly (amps, noises)	**X**	
Flow Conditions (low, medium, high)	**X (Low)**	
Flow Meter Inspection		**X (5)**
Control Panel Inspection	**X**	
UNDERDRAIN PUMPING SYSTEM		
Pump functioning properly	**X**	
Flow Conditions	**X (Low)**	
SITE SEDIMENTATION STRUCTURES		
NORTHWEST SEDIMENT POND (SEDIMENT POND 3)		
Check Outlet Structure for Condition	**X**	
Water Level (low, medium, or high)	**X (Low)**	
WEST SEDIMENT POND (SEDIMENT POND 2)		
Check Outlet Structure for Condition	**X**	
Water Level (low, medium, or high)	**X (Low)**	
SOUTHWEST SEDIMENT POND (SEDIMENT POND 1)		
Check Outlet Structure for Condition	**X**	
Water Level (low, medium, or high)	**X (Low)**	
SITE ROADWAYS AND DRAINAGE		
Check Catch Basins for Build-up of Sediment	**X**	
Check Culverts for Blocked Drainage and/or damage	**X**	
Check Monitoring Wells for Visual Damage	**X (6)**	
General condition of Perimeter Roadways	**X**	
LEACHATE PIPELINE		
Check Manhole Exterior Condition	**X**	
Check Transition Station Exterior Condition	**X**	
Check Aboveground Utility Line to the Transition Station	**X (7)**	
General condition of Leachate Pipeline Access Road	**X**	

COMMENTS:

(1) Growth of Cattails was noted on the south side of the Dolby I cover system; however, no standing water was observed.

(2) Woody Vegetation observed on Dolby I cover system was most significant in downspouts and stormwater ponds. MEDEP (Lou Pizzuti) indicates that they are ok with the tree growth so long as the water quality around this landfill does not degrade and the perimeter of the landfill is walked in the spring to assure that no leachate breakouts are occurring.

(3) Small areas of sparse grass vegetation (failure to thrive) on Dolby II and III landfills. The areas of sparse vegetation may be due to concentrated gas in the areas or topsoil without nutrients. Regardless of cause the areas are small and do not pose a threat to the overall integrity of the cover systems.

(4) Tree growth noted in grass ditches outside landfill limits on south and east sides of Dolby II and Dolby III landfills.

(5) Leak Detection Flow rate meter and totalizer are not working.

(6) Visual observation of wells is performed during each environmental monitoring event.

(7) Several poles are broken, and utility line is on or near the ground for several hundred feet. Several trees are leaning against the utility lines. Verizon indicates that they will not repair the line unless service is interrupted to the transition station. Loss of communications to the transition station will shut down pumps until the system is overridden by hand.

(8) Several trees were noted in perimeter drainage channels and around drainage structures where mowing is difficult. These trees will be addressed/removed during the next phase of cover upgrade.

(9) Animal burrow observed on the north slope of Dolby III.

(10) Transducer in leachate pond wet well fails occasionally and needs replacement.

RECOMMENDED ACTIONS:

Replace leachate pond leak detection flow meter.

Replace leachate pond sump transducer.

The animal borrow on north side of Dolby III should be filled in the spring 2020.

October 14, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Leachate Pond

West Sediment Pond

Leachate Pond (East side)

West Sediment Pond Outlet

October 14, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Cover Upgrade Area

Dolby III 2019 Slope Repair Area

Dolby III 2019 Containment Berm Repair Area

Dolby III 2019 Channel Repair

October 14, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Stormwater Inlet

Flow Meter Building

Leachate Manhole at Former GNP Mill Site

Emergency Leachate Unloading Area

October 14, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Leachate Pipeline Communications Cable

Leachate Pipeline Communications Cable

Leachate Pipeline Manhole at Former GNP Mill Site

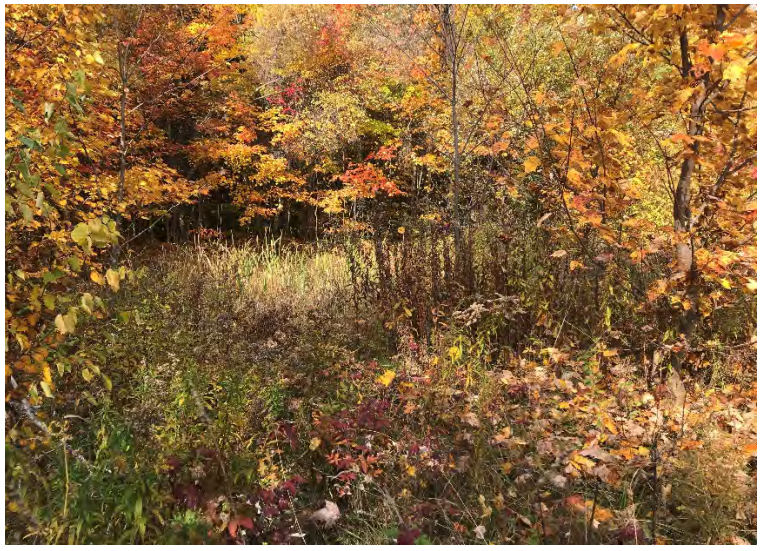
Leachate Pipeline Transition Station

October 14, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Leachate Pipeline Right of Way

Dolby I Cover

Dolby Landfill Front Gate



Dolby I West End Pond

October 14, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby I East End Pond

Dolby II Cover

Dolby I Cover

Dolby Facility Back Gate

October 14, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Dolby II Cover System

Dolby III North Side

Dolby II Leachate Pond

"Valley" Between Dolby II and Dolby III

October 14, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Northwest Sediment Pond

Northwest Sediment Pond Outlet

Dolby III North Side

Dolby III West Side

October 14, 2019 Site Inspection Photos
Dolby Landfill Facility
East Millinocket, Maine

Leachate Pond Leak Detection Control Panel

Leachate Pond (East side)

Leachate Pond (looking south)

Leachate Pump Control Panel

APPENDIX A-2

LEACHATE POND AND PIPELINE INFORMATION

SME
SEVEE & MAHER
ENGINEERS

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
January-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND LEVEL	LEAK DETECTION			DAILY RAINFALL[4]	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE[3]			LEVEL	FLOW	TOTAL		Initial	End	Total	Total Flow	
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	(Feet)	(Inches)	(gallons)	(gallons)	(Inches)	(Hours)	(Hours)	(Minutes)	(Gallons)	
1	6,287.6	6,287.6			0	0		0	#DIV/0!			0					0.000	0.000	6" Snow
2			6,797.7	6,802.6	294	154,056	154,218	162		1.07	10.50	0			835.0	849.0	840	21000	
3	6,287.6	6,297.3			582	304,968	305,230	262	-0.1%			0	55026	0.000			0	0	
4			6,802.6	6,807.2	276	144,900	144,786	-114		1.01	10.30	0			849.0	881.0	1920	48000	
5					0	0	0	0	#DIV/0!			0	55026	0.385			0	0	
6	6,297.3	6,302.1			288	150,912	151,074	162				0					0	0	
7			6,807.2	6,812.1	294	154,056	154,218	162		1.06	9.80	0			881.0	913.6	1956	48900	
8					0	0	0	0				0	55026	0.202			0	0	2" Snow
9			6,812.1	6,817.1	300	157,200	157,262	62		0.99	10.60	0			913.6	935.6	1320	33000	Total flow for week 1066788
10	6,302.1	6,307.3			312	188,760	189,060	300	-0.2%			0	55026	0.000			0	0	
11					0	0	0	0		0.97	10.10	0			935.6	956.7	1266	31650	
12	6,307.3	6,312.0			282	170,610	170,820	210	0%			0	55026	0.134			0	0	
13					0	0	0	0	#DIV/0!			0					0	0	
14			6,817.1	6,821.9	288	174,240	174,240	0	0%	0.99	10.20	0			956.7	985.8	1746	43650	
15					0	0	0	0	#DIV/0!			0	55026	0.007			0	0	
16			6,821.9	6,826.7	288	174,240	174,240	0	0%	1.19	10.60	0			985.8	1005.9	1206	30150	
17					0	0	0	0	#DIV/0!			0	55026	0.105			0	0	
18	6,312.0	6,316.4	6,826.7	6,826.7	264	158,664	158,670	6	0.0%	1.13	10.40	0			1005.9	1024.4	1110	27750	
19					0	0	0	0	#DIV/0!			0	55026	0.000			0	0	
20					0	0	0	0	#DIV/0!			0					0	0	
21	6,316.4	6,316.4	6,826.7	6,836.5	588	353,388	353,450	62		1.13	10.70	0			1024.4	1059.6	2112	52800	
22					0	0	0	0	#DIV/0!			0	55026	0.000			0	0	
23	6,316.4	6,320.9	6,836.5	6,836.5	270	162,270	162,276	6	0%	1.02	11.30	0			1059.6	1073.8	852	21300	
24			6,836.5	6,841.9	324	195,048	195,050	2	0%			0	55026	0.057			0	0	
25	6,320.9	6,332.7			708	426,924	426,720	-204	0.0%	1.07	11.30	0			1073.8	1088.6	888	22200	
26					0	0	0	0	#DIV/0!			0	55026	2.090			0	0	
27			6,841.9	6,853.9	720	434,160	433,950	-210	0.0%			0					0	0	
28	6,332.7	6,343.0			618	372,036	372,266	230		1.09	11.20	0			1088.6	1131.9	2598	64950	
29			6,853.9	6,859.4	330	198,990	198,850	-140	0.1%			0	55026	0.070			0	0	
30	6,343.0	6,347.9			294	176,988	177,100	112		0.99	11.40	0			1131.9	1148.6	1002	25050	
31					0	0		0	#DIV/0!			0	55026	0.000			0	0	
				Total	7,320	4,252,410	4,253,480							3.050			18,816	470,400	
				Average	236	137,175	gpd												
						95	gpm												

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leacahte pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Difference calculated as pumped flow minus metered flow. Percentage difference is pumped flow divided by metered flow minus 100%.
4. Daily rainfall measured at the landfill facility.

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
February-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND	LEAK DETECTION			DAILY RAINFALL[5]	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE[4]											
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	LEVEL[6] (Feet)	LEVEL[7] (Inches)	FLOW (gallons)	TOTAL (gallons)	(Inches)	Initial (Hours)	End (Hours)	Total (Minutes)	Total Flow (Gallons)	
1	6,347.9	6,352.6			282	173,994	173,900	-94	0%	0.99	11.40	0	55026	0.000	1148.6	1163.7	906	22650.000	
2			6,859.4	6,864.7	318	193,980	194,102	122	0%					0.000			0	0	
3	6,352.6	6,357.0			264	163,416	163,401	-15	0%					0.000			0	0	
4			6,864.7	6,869.6	294	181,692	181,601	-91	0%	0.98	11.30	0	55026	0.062	1163.7	1190.8	1626	40650	
5	6,357.0	6,361.5			270	166,320	166,301	-19	0%					0.000			0	0	
6			6,869.6	6,874.0	264	162,888	163,401	513	0%	1.25	11.30	0	55026	0.041	1190.8	1203.2	744	18600	
7					0	0	0	0									0	0	
8	6,361.5	6,366.3			288	177,696	178,600	904	-1%	0.93	12.00	0	55026	0.122	1203.2	1218.7	930	23250	
9			6,874.0	6,879.3	318	196,206	197,201	995	-1%								0	0	
10					0	0	0	0									0	0	
11			6,879.3	6,884.6	318	181,896	182,000	104	0%	0.82	13.40	0	55026	0.010	1218.7	1244.5	1548	38700	
12					0	0	0	0									0	0	
13	6,366.3	6,371.4			306	175,950	175,950	0	0%	0.98	13.80	0	55026	0.000	1244.5	1259.8	918	22950	
14					0	0		0									0	0	
15			6,884.6	6,889.8	312	186,888	186,859	-29	0%	1.10	12.80	0	55026	0.194	1259.8	1276.1	978	24450	
16					0	0		0									0	0	
17	6,371.4	6,375.7			258	155,832	155,715	-117	0%								0	0	
18			6,889.8	6,894.2	264	159,456	159,444	-12	0%	1.10	12.80	0	55026	0.225	1276.1	1295.5	1164	29100	
19					0	0		0									0	0	
20	6,375.7	6,380.0			258	155,832	155,715	-117	0%	1.16	12.20	0	55026	0.000	1295.5	1311.6	966	24150	
21					0	0		0									0	0	
22			6,894.2	6,898.9	282	168,918	169,039	121	0%	1.13	13.10	0	55026	0.025	1311.6	1326.6	900	22500	
23					0	0		0									0	0	
24	6,380.0	6,385.0			300	179,700	179,838	138	0%								0	0	
25			6,898.9	6,903.3	264	158,136	158,239	103	0%	0.99	17.20	0	55026	0.038	1326.6	1346.8	1212	30300	
26					0	0		0									0	0	
27			6,903.3	6,907.8	270	161,730	161,839	109	0%	0.88	18.30	0	55026	0.285	1346.8	1358.4	696	17400	
28					0	0		0									0	0	
																	0	0	
				TOTAL	5,130	3,100,530	3,103,145							1.002	445.5	465.8	1218	30450	
				AVERAGE	183	110,733 gpd											13,806	345,150	
						77 gpm													

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leacahte pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Flow meter was operational for February 2018
4. Difference calculated as pumped flow minus metered flow. Percentage difference is pumped flow divided by metered flow minus 100%.
5. Daily rainfall measured at the landfill facility.
6. Leachate Pond Level as measured in the Leachate Pump Wet Well.
7. Leak Detection system will be pumped in a couple weeks when threat of freezing has decreased.

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
March-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND	LEAK DETECTION			DAILY RAINFALL[5]	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE[4]		LEVEL	LEVEL	FLOW	TOTAL		Initial	End	Total	Total Flow	
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	(Feet)	(Inches)	(gallons)	(gallons)	(Inches)	(Hours)	(Hours)	(Minutes)	(Gallons)	
1	6,385	6,385	6,908	6,913	282	169,200	169,304	104	-0.1%	0.80	18.70	55026	0	0.008	1358.4	1366.8	504.000	12600	
2					0	0		0	-100.0%					0.000			0	0	
3					0	0		0	#DIV/0!					0.000			0	0	
4			6,913	6,917	276	165,600	165,702	102	#DIV/0!	1.01	21.10	55026	0	0.004	1366.8	1387.3	1230	30750	
5					0	0		0	-100.0%					0.000			0	0	
6	6,385	6,389			258	154,800	154,895	95	#DIV/0!	1.03	21.30	55026	0	0.165	1387.3	1400.0	762	19050	
7					0	0		0	-100.0%					0.000			0	0	
8	6,389	6,394			282	162,150	162,281	131	#DIV/0!	1.09	20.80	55034	8	0.009	1400.0	1414.4	864	21600	
9					0	0		0	-100.0%					0.000			0	0	pumped down leak detection level
10			6,917	6,922	270	169,830	169,757	-73	#DIV/0!					0.000			0	0	
11					0	0		0	-100.0%	0.93	14.10	55701	667	0.000	1414.4	1433.1	1122	28050	Water flow is increasing in underdrain
12					0	0		0	#DIV/0!					0.000			0	0	
13					0	0		0	#DIV/0!	1.08	3.00	56037	336	0.420	1433.1	1445.0	714	17850	
14					0	0		0	#DIV/0!								0	0	
15			6,922	6,926	282	166,662	166,697	35	#DIV/0!	1.01	3.00	56466	429	0.000	1445.0	1458.1	786	19650	
16					0	0		0	-100.0%								0	0	
17	6,394	6,400			348	210,192	210,192	0	#DIV/0!								0	0	
18			6,926	6,937	642	387,126	387,150	24	84.2%	0.87	10.00	56466	0	0.066	1458.1	1487.9	1788	44700	increase flow in underdrain
19	6,400	6,405			336	200,928	200,975	47	-48.1%								0	0	
20			6,937	6,948	630	374,850	374,900	50	86.5%	0.43	9.80	56466	0	0.000	1487.9	1506.8	1134	28350	
21					0	0		0	-100.0%								0	0	
22			6,948	6,953	312	185,640	185,640	0	#DIV/0!	0.62	10.60	56466	0	0.000	1506.8	1526.8	1200	30000	
23					0	0		0	-100.0%								0	0	
24	6,405	6,430			1,476	879,696	879,220	-476	#DIV/0!								0	0	
25			6,953	6,967	828	493,488	493,660	172	-43.9%	0.49	10.00	56466	0	0.000	1526.8	1567.9	2466	61650	
26	6,430	6,447			996	593,616	593,620	4	20.2%								0	0	
27			6,967	6,970	180	107,100	107,100	0	-82.0%	0.42	9.70	56466	0	0.000	1567.9	1591.5	1416	35400	
28					0	0		0	-100.0%								0	0	
29	6,447	6,462			948	564,060	564,060	0	#DIV/0!	0.70	9.80	55466	0	0.026	1591.5	1614.9	1404	35100	
30			6,970	6,972	120	71,400	71,400	0	-87.3%								0	0	
31					0	0		0	-100.0%						445.5	465.8	1218	30450	
				Total	8,184	5,056,338		5,048,154						0.698			16,608	415,200	
				Average	273	162,905													

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leacahte pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow not available in March 2017. Flow rate is approximate.
4. Daily rainfall measured at the landfill facility.

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
April-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME					LEACHATE POND LEVEL (Feet)	LEAK DETECTION			DAILY RAINFALL4 (Inches)	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE		HAULED[5]		LEVEL (Inches)	FLOW (gallons)	TOTAL (gallons)		Initial (Hours)	End (Hours)	Total (Minutes)	Total Flow (Gallons)	
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	(Gallons)										
1	6,462	6,498			2,124	1,062,000	1,062,000	0	0	287,000	2.32	13.00	0	56,446	0.663	1,614.9	1,663.3	2,904	72,600	41 Tanker Loads Hauled
2			6,972	7,002	1,842	921,000	921,000	0	0	560,000					0.000					80 Tanker Loads Hauled
3	6,498	6,546	7,002	7,050	5,772	1,443,000	1,443,000	0	0	427,000	1.30	13.40	0	56,466	0.000	1,663.3	1,704.4	2,466	61,650	61 Tanker Loads Hauled
4								0							0.340					
5	6,546	6,578	7,050	7,098	4,824	1,206,000	1,206,000	0	0		0.46	11.80	0	56,466	0.000	1,704.4	1,730.1	1,542	38,550	
6								0							0.000					
7								0							0.000					
8	6,578	6,613	7,098	7,123	3,528	882,000	882,000	0	0		0.47	11.20	0	56,466	0.000	1,730.1	1,771.5	2,484	62,100	
9								0							0.000					
10	6,613	6,649	7,123	7,123	2,148	537,000	537,000	0	0		0.70	11.40	0	56,466	0.146	1,771.5	1,798.1	1,596	39,900	
11								0							0.285					
12	6,649	6,661			708	354,000	354,000	0	0		0.36	10.50	0	56,466	0.000	1,798.1	1,821.7	1,416	35,400	
13			7,123	7,152	1,746	873,000	873,000	0	0						0.004					
14								0							0.000					
15	6,661	6,704	7,152	7,224	6,942	1,666,080	1,666,080	0	0		0.98	11.00	0	56,466	0.954	1,821.7	1,869.9	2,892	72,300	
16								0							0.134					
17	6,704	6,752	7,224	7,271	5,706	1,369,440	1,369,440	0	0		1.78	11.10	0	56,466	0.010	1,869.9	1,904.6	2,082	52,050	
18								0		140,000					0.000					20 Tanker Loads Hauled
19	6,752	6,798	7,271	7,317	5,562	1,334,880	1,334,880	0	0	161,000	1.40	11.40	0	56,466	0.210	1,904.6	1,935.6	1,860	46,500	23 Tanker Loads Hauled
20								0							0.577					
21								0							0.574					
22	6,798	6,870	7,317	7,389	8,586	2,060,640	2,060,640	0	0	77,000	1.88	11.60	0	56,466	0.036	1,935.6	1,986.2	3,036	75,900	11 Tanker Loads Hauled
23								0		266,000					0.257					38 Tanker Loads Hauled
24	6,870	6,920	7,389	7,439	6,012	1,442,880	1,442,880	0	0	259,000	1.43	11.50	0	56,466	0.090	1,986.2	2,022.1	2,154	53,850	37 Tanker Loads Hauled
25								0							0.183					
26	6,920	6,968	7,439	7,487	5,754	1,380,960	1,380,960	0	0		0.84	11.10	0	56,446	0.000	2,022.1	2,055.0	1,974	49,350	
27								0							0.474					
28								0							0.818					
29	6,968	7,040	7,487	7,559	8,640	2,073,600	2,073,600	0	0		1.22	11.00	0	56,466	0.000	2,055.0	2,108.2	3,192	79,800	
30								0												
			Total Pumped =		75,666	18,606,480			Total Hauled=	2,177,000					5.755			31,548	788,700	
									Total[6]=	20,783,480										
									Total=	692,783	gallons/day									
									Total=	481	gallons/min									

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leacahte pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow from flow meter at Flow Meter Building on former GNP site in East Millinocket.
4. Daily rainfall measured at the landfill facility.

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
May-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND LEVEL	LEAK DETECTION			LEACHATE UNDERDRAIN				DAILY RAINFALL[5]	COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE[4]			LEVEL	FLOW	TOTAL	Initial	End	Total	Total Flow[6]		
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	(Feet)	(Inches)	(gallons)	(gallons)	(Hours)	(Hours)	(Minutes)	(Gallons)	(Inches)	
1	7,088	7,088	7,607	7,607	0	0		0		0.69	10.70	0	56466	2140.7	2140.7	0.000	0.000	0.000	
2	7,088	7,128	7,607	7,647	4,806	2,162,700	2,162,700	0	0%										
3					0	0		0		0.55	9.50	0	56466	2140.7	2169.6	1734	43350	0.104	
4					0	0		0											
5	7,128	7,154			1,530	650,250	650,250	0	0%										
6			7,647	7,662	936	397,800	397,800	0	0%	0.13	8.50	0	56466	2169.6	2209.7	2406	60150	0.204	
7	7,154	7,171			1,020	433,500	433,500	0	0%										
8			7,662	7,668	306	130,050	130,050	0	0%	0.10	8.80	0	56466	2209.7	2235.0	1518	37950	0.066	
9	7,171	7,172			54	22,950	22,950	0	0%										
10			7,668	7,683	954	405,450	405,450	0	0%	0.88	7.90	0	56466	2235.0	2259.2	1452	36300	0.199	
11					0	0		0											
12	7,172	7,192			1,194	507,450	507,450	0	0%										
13			7,683	7,732	2,904	871,200	871,200	0	0%	-0.30	7.30	0	56466	2259.2	2300.5	2478	61950	0.956	
14					0	0		0											
15	7,192	7,205			780	331,500	331,500	0	0%	-0.15	7.60	0	56466	2300.5	2327.3	1608	40200	0.316	
16					0	0		0											
17	7,205	7,214			582	256,080	256,180	100	0%	0.36	7.90	0	56466	2327.3	2352.5	1512	37800	0.050	
18					0	0		0											
19			7,732	7,748	954	419,760	420,160	400	0%										
20	7,214	7,225			654	287,760	289,800	2,040	1%	0.08	7.70	0	56466	2352.5	2389.9	2244	56100	0.770	
21			7,748	7,771	1,368	601,920	603,950	2,030	0%							0	0		
22	7,225	7,235			576	253,440	254,100	660	0%	0.30	7.50	0	56466	2389.9	2419.4	1770	44250	0.400	
23					0	0		0								0	0		
24	7,235	7,253			1,080	459,000	459,000	0	0%	0.51	7.50	0	56466	2419.4	2447.8	1704	42600	0.994	
25					0	0	0	0								0	0		
26			7,771	7,799	1,722	731,850	731,850	0	0%							0	0		
27	7,253	7,277			1,458	619,650	619,650	0	0%	0.18	7.80	0	56466	2447.8	2494.3	2790	69750	0.684	
28			7,799	7,820	1,242	527,850	527,850	0	0%							0	0		
29	7,277	7,285			450	191,250	191,250	0	0%	0.28	7.50	0	56466	2494.3	2525.1	1848	46200	0.002	
30					0	0		0								0	0		
31	7,285	7,301			1,002	425,850	425,850	0	0%	0.47	7.70	0	56466	2525.1	2553.8	1722	43050	0.002	
				Total	25,572	10,687,260										24,786	619,650	4.747	
				Average	825	344,750	gpd												
					57%	239	gpm												

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leachate pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow from flow meter at Flow Meter Building on former GNP site in East Millinocket.
4. Difference is Metered volume minus Pumped volume.
5. Daily rainfall measured at the landfill facility.
6. Total pumping time from underdrain pump run time meter located in the leachate pump station building. Average flow assumed to be 25 gallons per minute.

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
June-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND LEVEL (Feet)	LEAK DETECTION			LEACHATE UNDERDRAIN				DAILY RAINFALL[5] (Inches)	COMMENTS
	PUMP #1		PUMP #2		COMBINED TOTAL (Minutes)	PUMPED[2] (Gallons)	METERED[3] (Gallons)	DIFFERENCE[4]			LEVEL (Inches)	FLOW (gallons)	TOTAL (gallons)	Initial (Hours)	End (Hours)	Total (Minutes)	Total Flow[6] (Gallons)		
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)				(Gallons)	(%)										
1	7,301	7,301	7,820	7,820	0	0		0											
2	7,301	7,309			444	199,800	199,800	0	0%										
3			7,820	7,835	900	405,000	405,000	0		0.04	7.60	0	56466	2553.8	2592.4	2316	57900	0.021	
4	7,309	7,315			372	167,400	167,400	0											
5			7,835	7,836	90	40,500	40,500	0	0%	0.14	7.70	0	56466	2592.4	2617.1	1482	37050	0.090	
6					0	0		0											
7			7,836	7,848	678	291,540	289,133	-2,407	-1%	0.36	7.70	0	56466	2617.1	2641.3	1452	36300	0.347	
8					0	0		0											
9					0	0		0											
10	7,315	7,327			720	324,000	324,000	0	0%	0.36	7.80	0	56466	2641.3	2695.9	3276	81900	0.000	
11					0	0		0											
12			7,848	7,859	702	315,900	315,900	0	0%	0.31	7.60	0	56466	2695.9	2698.4	150	3750	0.832	
13					0	0		0											
14	7,327	7,338			678	311,880	311,880	0	0%	0.19	7.60	0	56466	2698.4	2720.7	1338	33450	0.795	
15					0	0		0											
16					0	0		0											
17			7,859	7,871	702	336,960	336,960	0	0%	0.22	7.60	0	56466	2720.7	2755.3	2076	51900	0.098	
18					0	0		0											
19	7,338	7,349			660	316,800	316,800	0	0%	0.11	7.50	0	56466	2755.3	2777.6	1338	33450	0.000	
20					0	0		0											
21			7,871	7,875	228	109,440	109,440	0	0%	0.01	7.60	0	56466	2777.6	2802.4	1488	37200	1.290	
22					0	0		0											
23					0	0		0											
24			7,875	7,883	468	224,640	224,640	0	0%	0.16	7.60	0	56466	2802.4	2828.2	1548	38700	0.010	
25					0	0		0											
26	7,349	7,360			648	324,000	326,402	2,402	1%	0.27	7.50	0	56466	2828.2	2845.1	1014	25350	0.848	
27					0	0		0											
28			7,883	7,894	672	336,000	336,000	0	0%	0.17	7.20	0	56466	2845.1	2857.7	756	18900	0.096	
29					0	0		0											
30	7,360	7,364			246	123,000	123,000	0	0%										
31			7,894	7,906	750	375,000	375,000	0	0%	1.06	7.20	0	56466	2857.7	2884.2	1590	39750	1.194	
				Total	8,958	4,201,860										19,824	495,600	5.621	
				Average	289	135,544	gpd												
					20%	94	gpm												

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leachate pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow from flow meter at Flow Meter Building on former GNP site in East Millinocket.
4. Difference is Metered volume minus Pumped volume.
5. Daily rainfall measured at the landfill facility.
6. Total pumping time from underdrain pump run time meter located in the leachate pump station building. Average flow assumed to be 25 gallons per minute.

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
July-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND LEVEL	LEAK DETECTION			DAILY RAINFALL[4]	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE											
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	(Feet)	LEVEL (Inches)	FLOW (gallons)	TOTAL (gallons)	(Inches)	Initial (Hours)	End (Hours)	Total (Minutes)	Total Flow (Gallons)	
1	7,364	7,364	7,906	7,906	0					1.06	7.20	0	56467	1.194	2884.2	2884.2	-	-	
2																			
3	7,364	7,376			708	320,016	320,000	-16	0.0%	2.24	7.20	0	56467	0.535	2884.2	2906.2	1,320	33,000	
4																			
5			7,906	7,917	618	349,170	349,263	93	0.0%	0.11	7.20	0	56467	0.002	2906.2	2929.1	1,374	34,350	
6																			
7																			
8	7,376	7,385			564	253,800	253,800	0	0.0%	0.18	7.10	0	56467	0.062	2929.1	2959.5	1,824	45,600	
9																			
10			7,917	7,926	570	295,260	295,450	190	0.1%	0.03	6.90	0	56467	0.000	2959.5	2975.5	960	24,000	
11																			
12										0.28	7.20	0	56467	0.128	2975.5	3001.6	1,566	39,150	
13																			
14																			
15	7,385	7,394			546	289,380	289,348	-32	0.0%	0.30	7.10	0	56467	0.122	3001.6	3023.5	1,314	32,850	
16																			
17										0.51	6.90	0	56467	0.051	3023.5	3034.9	684	17,100	
18																			
19			7,926	7,935	498	260,454	260,322	-132	-0.1%	0.23	7.20	0	56467	0.027	3034.9	3049.4	870	21,750	
20																			
21																			
22	7,394	7,402			480	216,000	216,000	0	0	-0.13	6.90	0	56467	0.499	3049.4	3068.9	1,170	29,250	
23																			
24										0.24	6.90	0	56467	0.000	3068.9	3078.1	552	13,800	
25																			
26										0.32	6.90	0	56467	0.000	3078.1	3088.5	624	15,600	
27																			
28																			
29			7,935	7,943	522	275,616	277,382	1,766	0	0.16	7.80	0	56467	0.026	3088.5	3103.5	900	22,500	
30																			
31										0.17	7.20	0	56467	0.000	3103.5	3112.2	522	13,050	
				Total	4,506	2,259,696								2.646			13,680	342,000	
				Average		72,893	gpd												
						51	gpm												

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leachate pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow from flow meter at Flow Meter Building on former GNP site in East Millinocket.
4. Difference is Metered volume minus Pumped volume.
5. Daily rainfall measured at the landfill facility.
6. Total pumping time from underdrain pump run time meter located in the leachate pump station building. Average flow assumed to be 25 gallons per minute.

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
August-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND LEVEL	LEAK DETECTION			DAILY RAINFALL[5]	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE[4]			LEVEL	FLOW	TOTAL		Initial	End	Total	Total Flow	
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	(Feet)	(Inches)	(gallons)	(gallons)	(Inches)	(Hours)	(Hours)	(Minutes)	(Gallons)	
1	7,402	7,402	7,943	7,943	0	0		0	#DIV/0!										
2					0	0		0	#DIV/0!	0.40	7.10	0	56467	0.777	3112.2	3121.9	582	14550	
3					0	0		0	#DIV/0!										
4					0	0		0	#DIV/0!										
5	7,402	7,410			468	252,720	252,707	-13	0	0.32	6.80	0	56467	0.033	3121.9	3137.6	942	23550	
6					0	0		0	#DIV/0!										
7					0	0		0	#DIV/0!	0.47	6.90	0	56467	0.000	3137.6	3141.7	246	6150	
8					0	0		0	#DIV/0!										
9			7,943	7,951	474	255,960	256,840	880	0	0.28	6.60	0	56467	1.902	3141.7	3147.7	360	9000	
10					0	0		0	#DIV/0!										
11					0	0		0	#DIV/0!										
12					0	0		0	#DIV/0!	0.41	6.60	0	56467	0.196	3147.7	3162.6	894	22350	
13					0	0		0	#DIV/0!										
14	7,410	7,419			498	273,900	274,203	303	0	0.14	6.50	0	56467	0.883	3162.6	3174.6	720	18000	
15					0	0		0	#DIV/0!										
16					0	0		0	#DIV/0!						3174.6	3183.3	522	13050	Pond draw down
17			7,951	7,960	510	275,400	275,400	0	0										
18					0	0		0	#DIV/0!										
19	7,419	7,447			1,692	913,680	913,680	0	0	0.00	2.60	0	56467	0.245	3183.3	3220.0	2202	55050	
20					0	0		0	#DIV/0!										
21					0	0		0	#DIV/0!	0.00	2.60	0	56467	0.000	3220.0	3220.0	0	0	
22					0	0		0	#DIV/0!										
23					0	0		0	#DIV/0!	0.00	5.50	0	56467	0.375	3220.0	3220.7	42	1050	
24					0	0		0	#DIV/0!										
25					0	0		0	#DIV/0!										
26					0	0		0	#DIV/0!	0.00	7.90	0	56467	0.000			0	0	underdrain locked out
27					0	0		0	#DIV/0!										
28					0	0		0	#DIV/0!	-0.57	7.80	0	56467	0.000	3220.7	3247.7	1620	40500	
29					0	0		0	#DIV/0!										
30					0	0		0	#DIV/0!										
31					0	0		0	#DIV/0!	-0.39	8.80	0	56467	1.178	3247.7	3262.6	894	22350	
				Total	3,642	1,971,660								5.589			9,024	225,600	
				Average	121	63,602	gpd												
						44	gpm												

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leachate pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow from flow meter at Flow Meter Building on former GNP site in East Millinocket.
4. Difference is Metered volume minus Pumped volume.
5. Daily rainfall measured at the landfill facility.

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
September-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND LEVEL	LEAK DETECTION			DAILY RAINFALL[5]	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE[4]			LEVEL	FLOW	TOTAL		Initial	End	Total	Total Flow	
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	(Feet)	(Inches)	(gallons)	(gallons)	(Inches)	(Hours)	(Hours)	(Minutes)	(Gallons)	
1	7,447	7,447	7,960	7,960	0	0		0	#DIV/0!				56467						
2					0	0		0	#DIV/0!	-0.21	8.10			0.129	3262.6	3283.2	1236	30900	
3					0	0		0	#DIV/0!										
4					0	0		0	#DIV/0!	-0.07	8.30		56467	0.400	3283.2	3296.4	792	19800	
5					0	0		0	#DIV/0!										
6					0	0		0	#DIV/0!	0.08	8.80		56467	0.446	3296.4	3310.7	858	21450	
7					0	0		0	#DIV/0!										
8					0	0		0	#DIV/0!										
9					0	0		0	#DIV/0!	0.27	8.20		56467	0.265	3310.7	3337.7	1620	40500	
10					0	0		0	#DIV/0!										
11					0	0		0	#DIV/0!	0.40	8.70		56467	0.390	3337.7	3366.4	1722	43050	
12					0	0		0	#DIV/0!										
13					0	0		0	#DIV/0!	0.47	8.50	0	56467		3366.4	3366.4			
14					0	0		0	#DIV/0!										
15					0	0		0	#DIV/0!										
16					0	0		0	#DIV/0!	0.60	19.60	0	56467		3366.4	3366.4			Underdrain pump failure noted by Mid South
17					0	0		0	#DIV/0!										
18					0	0		0	#DIV/0!										
19					0	0		0	#DIV/0!	0.71	21.00	703	57170	0.000	3262.6	3366.4	6228	155700	ACV filled leachate pipeline and checked for leaks
20					0	0		0	#DIV/0!										
21					0	0		0	#DIV/0!										
22					0	0		0	#DIV/0!										
23	7,447	7,449	7,960	7,962	264	126,984	127,044	60	0%	0.76	20.00	7830	65000	0.000					
24					0	0		0	#DIV/0!										
25					0	0		0	#DIV/0!	0.90	20.00	212	65212	0.997					
26			7,962	7,964	162	105,300	105,300	0	0										
27	7,449	7,454			318	206,700	206,700	0	0	0.52	20.00	5188	70400	0.345					
28					0	0		0	#DIV/0!										Mid-South installed new underdrain pump
29			7,964	7,965	60	39,000	39,000	0	0	1.50	13.40	8957	79357	0.000	3366.4	3383.1	1002	25050	
30	7,454	7,455			60	39,000	39,000	0	0										
31					0	0		0	#DIV/0!										
				Total	864	516,984								2.972			13,458	336,450	
				Average	29	16,677	gpd												
						12	gpm												

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leachate pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow from flow meter at Flow Meter Building on former GNP site in East Millinocket.
4. Difference is Metered volume minus Pumped volume.
5. Daily rainfall measured at the landfill facility.

ATTACHMENT 1
DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
LEACHATE FLOW FOR DOLBY LANDFILL
October-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND	LEAK DETECTION			DAILY RAINFALL[5]	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE[4]											
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	LEVEL (Feet)	LEVEL (Inches)	FLOW (gallons)	TOTAL (gallons)	(Inches)	Initial (Hours)	End (Hours)	Total (Minutes)	Total Flow (Gallons)	
1	7,455	7,455	7,965	7,965	0	0		0	#DIV/0!						3383.1	3383.1	0	0	
2					0	0		0	#DIV/0!	1.62	8.50			0.110	3383.1	3427.3	2652	66300	
3					0	0		0	#DIV/0!								0	0	
4					0	0		0	#DIV/0!	1.82	8.20			0.000	3427.3	3435.3	480	12000	
5					0	0		0	#DIV/0!								0	0	
6					0	0		0	#DIV/0!								0	0	
7			7,965	7,975	600	412,800	412,951	151	0	1.28	8.10			0.170	3435.3	3447.6	738	18450	
8					0	0		0	#DIV/0!								0	0	
9					0	0		0	#DIV/0!	1.70	8.10			0.953	3447.6	3457.2	576	14400	
10					0	0		0	#DIV/0!								0	0	
11					0	0		0	#DIV/0!	1.78	8.20			0.000	3457.2	3468.1	654	16350	
12					0	0		0	#DIV/0!								0	0	
13					0	0		0	#DIV/0!								0	0	
14	7,455	7,467			714	491,946	492,075	129	0	1.20	8.80			0.045	3468.1	3484.8	1002	25050	
15					0	0		0	#DIV/0!								0	0	
16					0	0		0	#DIV/0!	1.29	7.80			0.020	3484.8	3494.8	600	15000	
17					0	0		0	#DIV/0!								0	0	
18					0	0		0	#DIV/0!	1.62	8.10			0.493	3494.8	3505.4	636	15900	
19					0	0		0	#DIV/0!								0	0	
20					0	0		0	#DIV/0!	1.76	8.20			0.000	3505.4	3520.1	882	22050	
21					0	0		0	#DIV/0!								0	0	
22					0	0		0	#DIV/0!								0	0	
23			7,975	7,987	678	463,752	463,881	129	0	1.25	8.20			0.000	3520.1	3531.9	708	17700	
24					0	0		0	#DIV/0!								0	0	
25	7,467	7,482			864	590,976	590,976	0	0	1.32	7.80			1.881	3531.9	3546.8	894	22350	
26					0	0		0	#DIV/0!								0	0	
27					0	0		0	#DIV/0!								0	0	
28					0	0		0	#DIV/0!	1.14	8.20			0.584	3546.8	3568.8	1320	33000	
29					0	0		0	#DIV/0!								0	0	
30			7,987	8,001	876	595,680	595,861	181	0	1.32	8.40			0.018	3568.8	3583.5	882	22050	
31					0	0		0	#DIV/0!								0	0	
			Monthly Total		3,732	2,555,154	gallons per month							4.274			12,024	300,600	
			Daily Average		124	82,424	gallons per day												
						57	gallons per minute												

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leacahte pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow from Flowmeter in Flow Meter Buidling.
4. Differnce is calculated as pumped flow minus metered flow. Percentage difference is pumped flow divided by metered flow, minus 100%.
5. Rainfall as measured at leachate pump station adjacent to leachate pond.
6. Total pumping time from underdrain pump run time meter located in the leachate pump station building. Average flow assumed to be 25 gallons per minute.

ATTACHMENT 1
DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
LEACHATE FLOW FOR DOLBY LANDFILL
November-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND LEVEL (Feet)	LEAK DETECTION			DAILY RAINFALL[5] (Inches)	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE[4]			LEVEL	FLOW	TOTAL		Initial	End	Total	Total Flow	
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)		(Inches)	(gallons)	(gallons)		(Hours)	(Hours)	(Minutes)	(Gallons)	
1	7,482	7,489	8,001	8,001	444	310,800	310,800	0	0.0%	1.79	9.30			0.113	3583.5	3599.6	966	24150	
2					0	0													
3					0	0													
4			8,001	8,019	1,068	747,600	747,600	0	0.0%	1.30	8.90			0.000	3599.6	3621.6	1320	33000	
5					0	0													
6	7,489	7,507			1,092	764,400	764,400	0	0.0%	1.59	8.60			0.345	3621.6	3643.7	1326	33150	
7					0	0													
8	7,507	7,521			852	596,400	596,400	0	0.0%	1.26	8.60			0.114	3643.7	3659.0	918	22950	
9					0	0													
10					0	0													
11					0	0				1.79	9.10			0.169	3659.0	3681.2	1332	33300	
12					0	0													
13			8,019	8,034	876	569,400	569,400	0	0.0%	1.31	9.20			0.000	3681.2	3696.0	888	22200	
14					0	0													
15					0	0				1.52	9.40			0.000	3696.0	3709.5	810	20250	
16					0	0													
17					0	0													
18	7,521	7,535			786	510,900	510,900	0	0.0%	1.20	9.00			0.495	3709.5	3730.1	1236	30900	
19					0	0													
20					0	0				1.63	9.40			0.256	3730.1	3748.0	1074	26850	
21					0	0													
22			8,034	8,048	840	546,000	546,000	0	0.0%	1.20	9.10			0.000	3748.0	3759.3	678	16950	
23					0	0													
24					0	0													
25	7,535	7,548			780	507,000	507,000	0	0.0%	1.50	8.90			0.000	3759.3	3784.0	1482	37050	4" Snow
26					0	0													
27			8,048	8,061	774	503,100	503,100	0	0.0%	1.26	8.60			0.804	3784.0	3801.8	1068	26700	
28					0	0													
29	7,548	7,552			246	159,900	159,900	0	0.0%	1.63	8.90			0.000	3801.8	3818.2	984	24600	12" Snow
30					0	0													
				Total	7,314	5,215,500								2.296			14,082	352,050	
				Average		173,850	gallons/day												
						121	gallons/minute												

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leacahte pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow from Flowmeter in Flow Meter Buidling.
4. Differnce is calculated as pumped flow minus metered flow. Percentage difference is pumped flow divided by metered flow, minus 100%.
5. Rainfall as measured at leachate pump station adjacent to leachate pond.
6. Total pumping time from underdrain pump run time meter located in the leachate pump station building. Average flow assumed to be 25 gallons per minute.
7. Leak detection flow meter not operating and needs replacement.

ATTACHMENT 1
DEPARTMENT OF ECONOMIC & COMMUNITY DEVELOPMENT
LEACHATE FLOW FOR DOLBY LANDFILL
December-2019

DAY OF MONTH	PUMP RUN TIME					LEACHATE VOLUME				LEACHATE POND	LEAK DETECTION			DAILY RAINFALL[4]	LEACHATE UNDERDRAIN				COMMENTS
	PUMP #1		PUMP #2		COMBINED	PUMPED[2]	METERED[3]	DIFFERENCE											
	INITIAL[1] (Hours)	FINAL[1] (Hours)	INITIAL[1] (Hours)	FINAL[1] (Hours)	TOTAL (Minutes)	(Gallons)	(Gallons)	(Gallons)	(%)	LEVEL (Feet)	LEVEL (Inches)	FLOW (gallons)	TOTAL (gallons)	(Inches)	Initial (Hours)	End (Hours)	Total (Minutes)	Total Flow (Gallons)	
1	7,551.6	7,551.6	8,060.6	8,060.6	0	0		0	#DIV/0!						3818.2	3818.2	0	0.000	
2	7,551.6	7,566.0			864	561,600	572,600	11,000	-1.9%	1.53	9.00			0.000	3818.2	3842.9	1482	37050	
3					0	0		0	#DIV/0!								0	0	
4			8,060.6	8,075.4	888	577,200	577,200	0	0.0%	1.30	8.90			0.000	3842.9	3865.0	1326	33150	
5					0	0		0	#DIV/0!								0	0	
6					0	0		0	#DIV/0!	1.50	8.90			0.250	3865.0	3874.3	558	13950	
7					0	0		0	#DIV/0!								0	0	
8					0	0		0	#DIV/0!								0	0	
9			8,075.4	8,088.7	798	518,700	520,600	1,900	-0.4%	1.26	8.80			0.000	3874.3	3895.0	1242	31050	
10					0	0		0	#DIV/0!								0	0	
11	7,566.0	7,593.3			1,638	1,064,700	1,074,800	10,100	-0.9%	1.87	9.00			0.772	3895.0	3917.0	1320	33000	
12					0	0		0	#DIV/0!								0	0	
13			8,088.7	8,124.1	2,124	1,380,600	1,390,500	9,900	-0.7%	1.27	8.50			0.000	3917.0	3937.3	1218	30450	
14					0	0		0	#DIV/0!								0	0	
15					0	0		0	#DIV/0!								0	0	
16	7,593.3	7,642.7			2,964	1,926,600	1,926,600	0	0.0%	2.25	9.10			1.500	3937.3	3973.0	2142	53550	Rain snow melt event
17					0	0		0	#DIV/0!								0	0	
18	7,642.7	7,691.1			2,904	1,887,600	1,895,100	7,500	-0.4%	1.00	8.50			0.000	3973.0	3994.5	1290	32250	
19					0	0		0	#DIV/0!								0	0	
20			8,124.1	8,134.2	606	393,900	393,900	0	0.0%	1.35	8.50			0.000	3994.5	4012.5	1080	27000	
21					0	0		0	#DIV/0!								0	0	
22					0	0		0	#DIV/0!								0	0	
23	7,691.1	7,709.0			1,074	698,100	698,100	0	0.0%	1.42	8.90			0.000	4012.5	4037.8	1518	37950	
24					0	0		0	#DIV/0!								0	0	
25			8,134.2	8,148.3	846	549,900	549,900	0	0.0%	1.00	8.50			0.120	4037.8	4053.0	912	22800	
26					0	0		0	#DIV/0!								0	0	
27					0	0		0	#DIV/0!	1.45	8.90			0.000	4053.0	4068.0	900	22500	
28					0	0		0	#DIV/0!								0	0	
29					0	0		0	#DIV/0!								0	0	
30	7,709.0	7,724.7			942	612,300	612,300	0	0.0%					0.287	4068.0	4090.0	1320	33000	
31					0	0			NA								0	0	
				Total	15,648	10,171,200	gallons/month							2.929			16,308	407,700	
				Average	505	328,103	gallons/day												
						228	gallons/minute (average)												

Notes:

1. Pumped hours as indicated by pump time display located within the leachate pump station building adjacent to the leacahte pond.
2. Pumped Volume = Average flow rate (gallon per minute) x combined total (minutes).
3. Metered flow from Flowmeter in Flow Meter Buidling.
4. Differnce is calculated as pumped flow minus metered flow. Percentage difference is pumped flow divided by metered flow, minus 100%.

SME
SEVEE & MAHER
ENGINEERS

4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Tel: 207.829.5016 • Fax: 207.829.5692
info@smemaine.com
smemaine.com

MEMO TO: Jody Breton, State of Maine (**VIA EMAIL**)

CC: Matt Muzzy, Sevee & Maher Engineers

FROM: Brian Pierce, Sevee & Maher Engineers

DATE: September 5, 2019

SUBJECT: **AUGUST 2019 LEACHATE POND AND PIPELINE CLEANING**
DOLBY LANDFILL, EAST MILLINOCKET, MAINE

INTRODUCTION

The pipeline that connects the Dolby Landfill leachate pond to the East Millinocket Wastewater Treatment Facility (EMWWTF) in East Millinocket, Maine and a 100 foot x 70 foot area of the Dolby landfill leachate pond were cleaned during the period of August 19, 2019 to August 26, 2019. Sevee & Maher Engineers, Inc. (SME) planned and observed the cleaning. ACV Enviro (ACV) of Skowhegan, Maine was contracted to perform the leachate pond and pipeline dewatering, disassembly, cleaning, and reassembly. This memorandum describes the procedures, observations, and recommendations associated with the cleaning effort. Figure 1 shows the leachate pond, pipeline, and manhole locations from the Dolby Landfill to the former GNP Mill property. Photographs taken during the leachate pond and pipeline cleaning process are attached.

LEACHATE POND CLEANING AND INSPECTION

On August 19 and 20, 2019 leachate was removed from the pond by using the leachate pump station and portable pumps. Leachate inflow into the pond was bypassed as needed during the pond cleaning by closing the pond inlet valve, placing an inflatable pipe plug in the inlet pipe, and pumping leachate from catch basin No. 3 directly to the pump station wet well. Bypass pumping was monitored continuously during cleaning and a high-level alarm system was in place to alert monitoring personnel of potential of overflows. No pumping failure or problems occurred during the bypass pumping operations.

A 100-foot by 70-foot area of the leachate pond's 60-mil, textured HDPE geomembrane liner in the area of the inlet and outlet was cleaned on August 21, 2019. The surface of the pond liner was cleaned by vacuuming accumulated sediments from the bottom and sideslopes of the pond. Remaining sediments were cleaned by water jetting followed by additional vacuuming. After cleaning of the liner was complete, all water was vacuumed from the cleaned area to allow for visual inspection.

On Wednesday August 21, 2019, Brian Pierce (SME) and Lou Pizzutti (Maine Department of Environmental Protection (MEDEP)) conducted a visual inspection of the geomembrane liner and associated pipe boots. The inspection showed several minor scratches on the geomembrane; however, SME and MEDEP determined that these were not significant enough to require repair.

The sediment and liquid mixture from the pond cleaning was transported to the temporary disposal cell in Dolby III landfill. After the cleaning and inspection was completed, bypass pumping was ceased, the inlet valve to the pond was reopened, the inflatable pipe plug was removed, and leachate flows (from the landfills) were directed into the leachate pond.

LEACHATE PIPELINE CLEANING

Leachate pipeline cleaning was performed from August 22, 2019 to August 26, 2019. The leachate pond level was drained to a low level as a result of the leachate pond cleaning; thereby, allowing the pipeline to be temporarily taken out of service. Prior to the pipeline cleaning, power to the pump station pumps was shut off and the electrical power panels were locked out by both Dick Angotti of Mid-South Engineering Company and Mike Williams of ACV Enviro using standard lock-out/tag-out safety protocol. ACV then dewatered the leachate pipeline at Manholes (MH-) 1, 2, 8, and 14. During pipeline dewatering, leachate was pumped from the manholes and trucked to the EMWWTF.

Following the pipeline dewatering, the pipe connections were disassembled in every manhole between MH-2 and MH-15 except MH-12. The equipment used by ACV was capable of cleaning the entire section of pipeline from MH-11 to MH-13. The piping disassembly generally consisted of removing two Victaulic Style 995 couplings and a section of HDPE pipe spool to allow access for the cleaning equipment.

The pipeline cleaning process utilized a high-pressure nozzle attached to a two-inch diameter hose, which was inserted into the pipeline. Water was discharged backwards through the nozzle to advance the hose and remove scale accumulated on the pipe wall. The hose was then pulled back with a hydraulic motor while continuing to flush and remove scale during the backward pass. Water, sediment and debris from the cleaning process drained to the lower of the manholes associated with the section of pipe being cleaned where it was vacuumed into a tank truck and hauled to the EMWWTF for disposal.

After the pipeline was cleaned, the pipe fittings were cleaned, lubricated, and reassembled. The existing gaskets on the Victaulic couplings that were found in good condition were reused and gaskets that were damaged or unusable were replaced with new gaskets. An 8” gasket was replaced at MH-6. SME will perform an inventory of the remaining pipeline parts this fall.

In addition to cleaning the leachate pipeline, the pump station wet well was cleaned by removing sediment and pressure washing the interior.

Clean water for the leachate pipeline cleaning was obtained from an East Millinocket Water Works water hydrant located at the One Katahdin Industrial Park in East Millinocket, Maine.

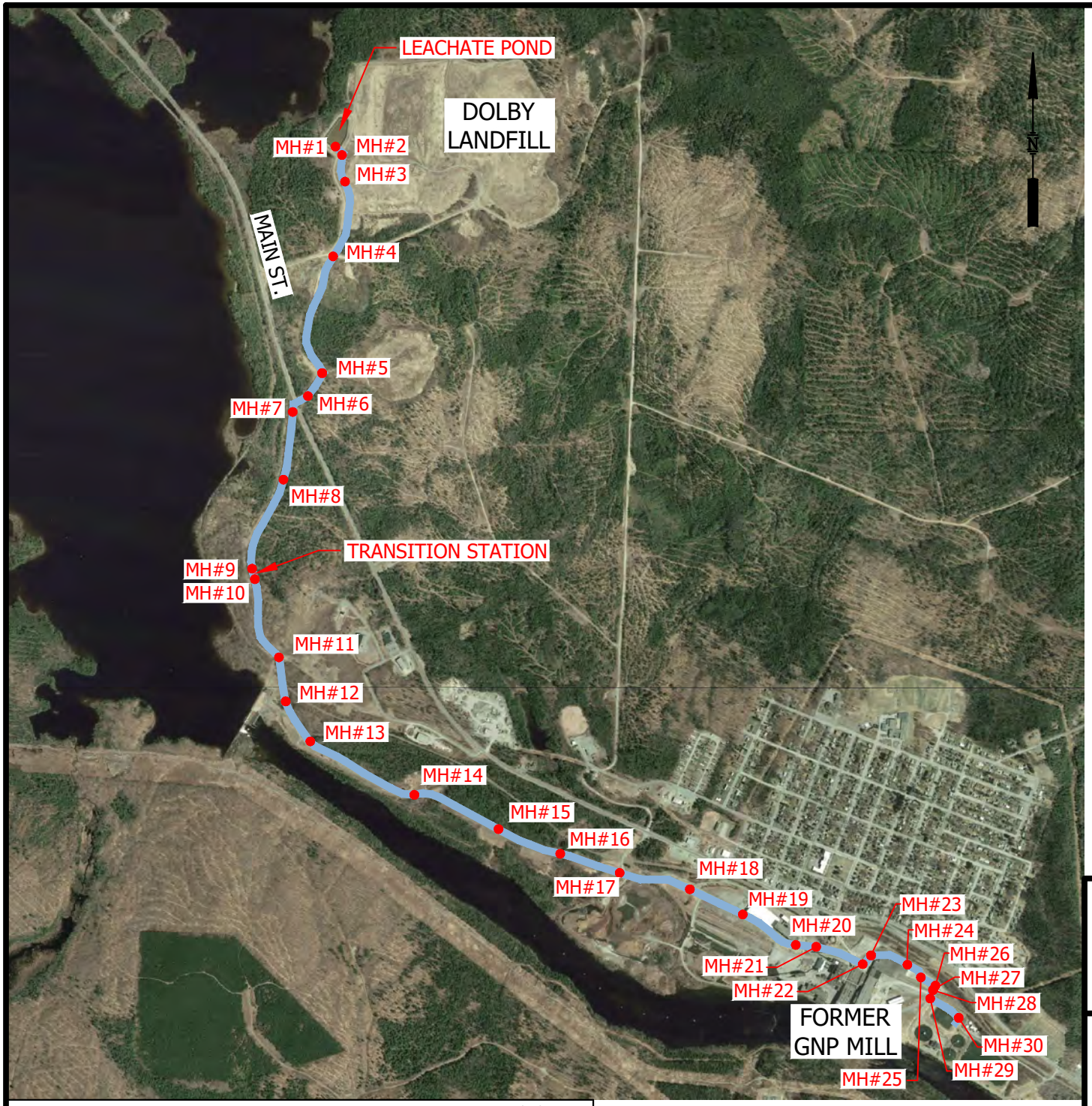
CONCLUSIONS AND RECOMMENDATIONS

Table 1 provides a summary of the lengths of pipe cleaned, pipe condition prior to cleaning, and observations made during the pipeline cleaning process.

If you have any questions or comments relating to the 2019 leachate pond and pipeline cleaning, please feel free to contact me.

Attachments:

Figure 1 – Site Plan of Leachate Pond, Pipeline, and Manholes
Table 1 –August 2019 Leachate Pipeline Cleaning Summary
Photographs of 2019 Leachate Pond and Pipeline Cleaning



NOTES

BASE MAP FROM GOOGLE EARTH PHOTO DATED 4/28/2016.

MANHOLE PIPE LOCATIONS FROM SQUAW BAY CORPORATION DRAWING DATED 4/25/95. LOCATIONS ARE APPROXIMATE.

APPROXIMATE SCALE

1000 0 2000 FEET

FIGURE 1
DOLBY LANDFILL
LEACHATE FORCE MAIN
MANHOLE LOCATIONS

SME
SEVEE & MAHER ENGINEERS

DWG: PIPELINE LMN: CTB: SME-STD REV: 8/29/2019

\\Server\cfs\Kpc\Dol\ACAD\Leachate Line\PIPELINE.dwg, 8/29/2019 8:50:14 AM, bwb

TABLE 1

LEACHATE PIPELINE CLEANING SUMMARY
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

	Pipe Station Component	Air Release Valve (Y/N)	Pipeline Station	Pipe Segment Diameter (in)	Distance Between Manholes (ft)	Distance Cleaned in 2019 (ft)	Cleaning Water Condition Observed During Cleaning[a]	Notes
Force Main Section	Pump Station Wet Well	N	0+81			-	Very Dirty	
				8	14	14		
	MH No. 1	N	0+95					MH Opened
				8	146	146	Very Dirty	
	MH No. 2	N	2+41					MH Opened
				8	590	590	Fairly Dirty	
	MH No. 3	Y	8+31					MH Opened
				8	915	915	Very Dirty	Flushed 3 times
	MH No. 4	Y	17+46					MH Opened
				8	1750	1750	Fairly Dirty	Flushed 3 times
	MH No. 5	N	34+96					MH Opened
				8	398	398	Fairly Clean	
	MH No. 6	N	38+94					MH Opened
				8	206	206	Fairly Clean	
	MH No. 7	N	41+00					MH Opened
				8	1050	1050	Fairly Dirty	
	MH No. 8	N	51+50					MH Opened
				8	1190	1190	Fairly Dirty	
	MH No. 9	N	63+40					MH Opened
								-
	Transition Station	NA	63+75					Not Cleaned
Gravity Main Section								
	MH No. 10	N	64+05					MH Opened
				10	1430	1430		
	MH No. 11	N	78+35					MH Opened
				10	695	695	Fairly Clean	
	MH No. 12	N	85+30					Not Opened
				10	620	620		
	MH No. 13	Y	91+50					MH Opened
				10	1650	1650	Fairly Dirty	
	MH No. 14	N	108+00					MH Opened
				10	1200	1200	Clean	
	MH No. 15	N	120+00					MH Opened
				10	767	767	Clean	
	MH No. 16	Y	127+67					Not Opened
				10	833	0		
	MH No. 17	N	136+00					Not Opened
				10	1060	0		
	MH No. 18	Y	146+60					Not Opened
				10	1216	0		
	MH No. 19	Y	158+76					Not Opened
				10	809	0		
	MH No. 20	Y	166+85					Not Opened
				10	515	0		
	MH No. 21	Y	169+40					Not Opened
				10	690	0		
	MH No. 22	N	176+30					Not Opened
				10	174	0		
	MH No. 23	N	178+04					Not Opened
				10	539	0		
	MH No. 24	N	183+43					Not Opened
				10	278	0		
	MH No. 25	N	186+21					Not Opened
				10	233	0		
	MH No. 26	N	188+54					Not Opened
				10	60	0		
	MH No. 27[b]	N	189+14					Not Opened
				8	12	0		
	MH No. 28	N	189+26					Not Opened
				18	120	0		
	MH No. 29	N	190+46					Not Opened
				18	482	0		
	MH No. 30	N	195+28					Not Opened
				18	112	0		
	WWTP	N	196+40					
			total		19,754	**12,621**		

Notes:
a. Cleaning water condition observed during cleaning was rated Clean, Fairly Clean, Dirty, Fairly Dirty, or Very Dirty.
b. Flow Meter Building

AUGUST 2019 LEACHATE POND AND PIPELINE CLEANING PHOTOGRAPHS
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Sediment build-up at leachate pond inlet pipe

Setting up pump to drain leachate pond

Sediment at leachate pond outlet

Sediment removal at the leachate pond inlet pipe

AUGUST 2019 LEACHATE POND AND PIPELINE CLEANING PHOTOGRAPHS
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Leachate pond cleaning

Leachate pond cleaning

Leachate pond cleaning

AUGUST 2019 LEACHATE POND AND PIPELINE CLEANING PHOTOGRAPHS
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Cleaning from MH-4 to MH-3

Cleaning at MH-3

Cleaning from MH-3 to MH-4

Clean line after cleaning from MH-3 to MH-4

APPENDIX A-3

COMPLIANCE SELF AUDIT CHECKLIST

SME
SEVEE & MAHER
ENGINEERS

State of Maine, Bureau of General Services
Dolby III Landfill Compliance Self-Audit Checklist

Report Year: 2019

General License Information

* Any new licenses or revisions issued to the facility during the year? ☐ Yes ☒ No

If yes, was the new license listed in the submitted facilities annual report? ☐ Yes ☐ No
List the new licenses: Minor Revision #S-000796-2D-AD-N for landfill cover upgrade.

Chapter 400 Requirements

* Was the annual report fee submitted with the annual report? ☐ Yes ☒ No

If no, reason the fee was not submitted: Direct inter governmental billing w/ Service Center

Chapter 401, Section 4 Requirements

401.4.A Requirements

* Is the facilities operations manual being properly maintained? ☑ Yes ☐ No (This includes up-to-date certified copies to the Department and to key operating and management personnel of the landfill.)

If no, describe what is being done to bring the facility up to compliance: _____

* Is there a certified copy of the operations manual available for use at the facility at all times? ☑ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: Landfill not operating daily. Operations Manual with Landfill Operator and Subcontractors.

* Was the operations manual reviewed annually by the operator and updated as necessary? ☑ Yes (Date Reviewed:) ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

401.4.B Requirements

* Were operational personnel appropriately trained in relevant sections of the operations manual? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Are at least two key personnel trained in the operation of, and regulatory requirements for, the landfill facilities? ☑ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

401.4.C Requirements

* Were all waste excepted at the facility allowed under the current license and handled as described in the landfill's approved operations manual? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Was the facility operations manual, solid waste characterization plan, followed? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Access to the facility is 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 ☐ No

The hours of operation and other limitations to access are prominently posted at the entrance to the landfill. ☐ Yes ☐ No X - Land fill closed

If no in either, describe what is being done to bring the facility up to compliance: _____

* Are access roads within the facility maintained and is the road maintenance program implemented to prevent the migration of dust, mud or waste from the facility on access, public or private roads? ☑ Yes ☐ No

Are access roads onto a cell of a landfill constructed and maintained to prevent the migration of leachate outside the cell? ☑ Yes ☐ No

If no in either, describe what is being done to bring the facility up to compliance: _____

* Is the facilities cell development plans up-to-date and submitted with the annual report? ☑ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Was the waste in the active landfill cell compacted at least once during the operating day? ☐ Yes ☑ No

If no, describe what is being done to bring the facility up to compliance: N/A

* Was daily, intermediate and phased final cover placed according to the facilities operating manual? ☑ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: Final Capping is being Planned in future FY.

401.4.C Requirements continued

* Was the facilities stormwater management and erosion control plan followed?
☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Was the facilities leachate management plan followed? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Was the facilities methane and H_2S gas monitoring program done quarterly and any exceedances of triggers reported to the Department within 24hrs? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Were required quarterly landfill inspections completed? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance:

* Was the facilities dust control plan followed? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Is the landfill operation equipment sufficient to meet operating requirements of this section? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Does the facility have proper fire and emergency plan? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Was the facilities hazardous and special waste handling and exclusion plan properly followed? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Was the facilities litter control plan properly followed? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

401.4.C Requirements continued

* Was the facilities quarterly groundwater and leachate reports submitted to the Department? ☒ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Are all the facilities operation records maintained on file as required? ☑ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: _____

* Was the facilities asbestos disposal plan followed? ☐ Yes ☐ No

If no, describe what is being done to bring the facility up to compliance: N/A .

KBL
Evaluator

Landfill Manager
Title

5-4-20
Date

APPENDIX B

WASTE LOGS

SME
SEVEE & MAHER
ENGINEERS

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
January-2019

	WASTE DISPOSAL (Cubic Yards[1])																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Asbestos	Cover Material	Construction Debris	Gravel	TS Ash	WWTP Sludge
1																					
2																					
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28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
1. Waste Disposal Quantities based on truck count as reported by Mid South Engineering.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
February-2019

	WASTE DISPOSAL (CUBIC YARDS[1])																				
	EAST MILLINOCKET					MILLINOCKET					OTHER										
DAY	WWTP SLUDGE	RFP SLUDGE	WOOD YARD	TRASH	ASH	WWTP SLUDGE	TRASH	WOOD YARD	ASH	LIQUOR SLUDGE	ANDINO	SIGNAL SHERMAN	OILY WASTE	COAL ASH	ASBESTOS	COVER MATERIAL	CONSTRUCTION DEBRIS	GRAVEL	TS ASH	WWTP SLUDGE	NO. OF TRUCK LOADS
1																					
2																					
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28																					
TOTAL YARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
1. WASTE DISPOSAL QUANTITIES BASED ON TRUCK COUNT AS REPORTED BY D&S ENGINEERING.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
March-2019

	WASTE DISPOSAL (Cubic Yards[1])																		
	EAST MILLINOCKET				MILLINOCKET				OTHER										
Day	WWTP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Wood Yard	Ash	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Asbestos	Cover Material	Construction Debris	Gravel	TS Ash	WWTP Sludge	No. of Truck Loads
1																			
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31																			
Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
1. Waste Disposal Quantities based on visual observation by SME.
2. Sludge thickener is in totes located within the active cell.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
April-2019

	WASTE DISPOSAL (Cubic Yards[1])																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Asbestos	Cover Material	Construction Debris	Gravel	TS Ash	WWTP Sludge
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28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
1. Waste Disposal Quantities based on truck count as reported by D&S Engineering.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
May-2019

	WASTE DISPOSAL (Cubic Yards[1])																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Asbestos	Cover Material	Construction Debris	Gravel	TS Ash	WWTP Sludge
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27																					
28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
1. Waste Disposal Quantities based on truck count as reported by D&S Engineering.
1. Waste Disposal Quantities based on truck count as reported by Mid South Engineering.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
June-2019

	WASTE DISPOSAL (Cubic Yards[1])																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Asbestos	Cover Material	Construction Debris	Gravel	TS Ash	WWTP Sludge
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19																					
20																					
21																					
22																					
23																					
24					78				44			29									
25																					
26																					
27																					
28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	78	0	0	0	44	0	0	29	0	0	0	0	0	0	0	0	0

NOTES:

1. Waste Disposal Quantities based on truck count as reported by Mid South Engineering.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
July-2019

	WASTE DISPOSAL (Cubic Yards)																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Asbestos	Cover Material	Construction Debris	Gravel	TS Ash	WWTP Sludge
1																					
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27																					
28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
August-2019

	WASTE DISPOSAL (Cubic Yards)																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Medway Ash	Cover Material	Leachate Pond Cleaning Waste	Gravel	TS Ash	WWTP Sludge
1																					
2																					
3																					
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21																		5			
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24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0

Notes: Waste Volumes as reported by Mid-South Engineering.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
September-2019

	WASTE DISPOSAL (Cubic Yards)																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Medway Ash	Cover Material	Leachate Pond Cleaning Waste	Gravel	TS Ash	WWTP Sludge
1																					
2																					
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4																					
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24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: Waste Volumes as reported by Mid-South Engineering.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
October-2019

	WASTE DISPOSAL (Cubic Yards)																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Medway Ash	Cover Material	Leachate Pond Cleaning Waste	Gravel	TS Ash	WWTP Sludge
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
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22																					
23																					
24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: Waste Volumes as reported by Mid-South Engineering.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
November-2019

	WASTE DISPOSAL (Cubic Yards[1])																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Asbestos	Cover Material	Construction Debris	Gravel	TS Ash	WWTP Sludge
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
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23																					
24																					
25																					
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27																					
28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
1. Waste Disposal Quantities based on truck count as reported by D&S Engineering.
1. Waste Disposal Quantities based on truck count as reported by Mid South Engineering.

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
WASTE DISPOSAL AT DOLBY LANDFILL
December-2019

	WASTE DISPOSAL (Cubic Yards[1])																				
	EAST MILLINOCKET					MILLINOCKET						OTHER									
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	Woodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Asbestos	Medway Ash	Construction Debris	Gravel	TS Ash	WWTP Sludge
1																					
2																					
3																					
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23																					
24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
Total Yards	0	0	0	0	0	0	0	0	130	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
1. Waste Disposal Quantities based on truck count as reported by Mid South Engineering.

APPENDIX C-1

WATER QUALITY DATA SUMMARY TABLES

SME
SEVEE & MAHER
ENGINEERS

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

(103)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
103											
4/27/2000	XX	103XX36643	24	6.24	3.3		434.32				
8/1/2000	XX	103XX36739	30	6.03	7		425.86		15.81	9.1	4.2
10/24/2000	XX	103XX36823	D	D	D						
5/8/2001	XX	103XX37019	25.7	6.04	5.4		432.35			11.2	2.3
7/24/2001	XX	103XX37096	D	D	D				18.86	D	D
10/16/2001	XX	103XX37180	D	D	D					D	
5/15/2002	XX	103XX37391	23	6.21	5		431.95			11.2	3.15
7/29/2002	XX	103XX37466	28	4.93	10.2		426.33		15.69	9.6	1.03
10/18/2002	XX	103XX37547	D	D	D					D	D
6/18/2003	XX	103XX37790	26.9	6.43	7.2		430.62			10.2	0.98
8/6/2003	XX	103XX37839	27.2	6.07	10.3		428.02		15.92	9	0.78
10/6/2003	XX	103XX37900	30.2	5.9	9.5		429.02			10.1	1.12
5/12/2004	XX	103XX38119	28.9	5.8	5.8		431.2			14.3	1.9
8/19/2004	XX	103XX38218	31	6.3	10.3		426.06		15.88	9.1	0.44
10/18/2004	XX	103XX38278	D	D	D					D	D
5/24/2005	XX	GW103X004	25.2	7.35	6.1	7.56	432.01	439.57		10.5	1
8/17/2005	XX	GW103X01G	31	6.13	6.7	14	425.57	439.57	15.92	10.5	0.8
10/13/2005	XX	GW103X038	D	D	D	D				D	D
5/15/2006	XX	GW103X084	26.1	6.49	5.3		432.85			9.7	1.4
8/7/2006	XX	GW103X06C	31	6.28	11.4		430.95		15.81	10.1	1.24
10/11/2006	XX	GW103X050	32	6.69	9.8		427.29			8.2	0.7
5/22/2007	XX	GW103X09G	28	6.67	5.9		432.42			10.4	0.6
8/21/2007	XX	GW103X0B9	D	D	D		D		16.05	D	D
11/1/2007	XX	GW103X0D1	34	5.67	9.6		428.26			9.8	1.6
5/28/2008	XX	GW103X0F9	29	5.63	8.1		429.35			9.6	1.9
8/26/2008	XX	GW103X0H9	32	5.3	10.5		429.21			8.9	1.4
10/28/2008	XX	GW103X0IH	34	5.47	9.7		429.21			8.7	0.8
5/18/2009	XX	GW103X10H	29	5.05	6.3	8.27	431.3	439.57		10.7	0.9
8/17/2009	XX	GW103X12H	30	4.58	11.7	9.41	430.16	439.57		8.4	2.7
10/29/2009	XX	GW103X145	31	5.48	8.8	9.29	346.49	439.57		9.44	1.2
6/10/2010	XX	GW103X166	30	7.15	8.1		428.48			8.8	1.01
8/19/2010	XX	GW103X187	D	D	D		424.22			D	D
10/26/2010	XX	GW103X19F	34	6.21	10		426.93			9.51	23.4
11/3/2011	XX	GW103X1I2	32	5.9	9.9	9.66	429.91	439.57	16.05	4	1.3
5/15/2012	XX	GW103X1JF	34	6	11.1	6.86	432.71	439.57	14.4	4	2.1
8/14/2012	XX	GW103X218	28	5.4	12.3	13.93	425.64	439.57		8	1.2
10/31/2012	XX	GW103X232	26	5.9	11.2	8.2	431.37	439.57	16.05	8	0
5/22/2013	XX	GW103X24G	28	6.7	7.3	10.01	429.56	439.57		6	0.6
7/25/2013	XX	GW103X26A	27	7.2	12.5	11.52	428.05	439.57		5	0
10/3/2013	XX	GW103X284	33	6.2	11.7	11.99	427.58	439.57	16.03	4	0.5
6/6/2014	XX	GW103X29I	27	5.8	7.6	9.9	429.67	439.57		2	0.4
8/22/2014	XX	GW103X2BC	32	6.7	11.3	14.48	425.09	439.57		1	0.2
11/14/2014	XX	GW103X2D6	27	7	7	9.43	430.14	439.57	16.1	2	1.4
6/5/2015	XX	GW103X2F2	30	7.6	7.5	8.12	431.45	439.57		10.4	0.4
9/2/2015	XX	GW103X2GH	30	9.1	10.2	13.58	425.99	439.57		8.9	0.05 U
11/5/2015	XX	GW103X2IB	28	6.6	9.5	8.83	430.74	439.57	16.08	9.8	0.1
6/13/2016	XX	GW103X321	29	5.9	7.6	11.57	428	439.57		9.2	2
9/19/2016	XX	GW103X33F	D	D	D	D	D	D		D	D

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

(103) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
11/7/2016	XX	GW103X359	D	D	D	D	D	D	16.09	D	D
6/12/2017	XX	GW103X374	28	6.3	9.9	9.5	430.07	439.57		10.5	5
8/28/2017	XX	GW103X38I	I	I	I	I	I	439.57		I	I
11/13/2017	XX	GW103X3AC	25	7	9.3	13.95	425.62	439.57	16.09	9.9	0.2
6/18/2018	XX	GW103X3C7	29	6.5	8.1	11.69	427.88	439.57		9.4	0.5
8/13/2018	XX	GW103X3D2	I	I	I	I	I	439.57		I	I
11/26/2018	XX	GW103X3FF	A	A	A	A	A	439.57		A	A
6/3/2019	XX	GW103X3HA	59	7.6	11.7	8.02	431.55	439.57		12.7	1.1
8/12/2019	XX	GW103X3I5	45	7	12.2	13.35	426.22	439.57		12.3	1.1
10/23/2019	XX	GW103X40I	D	D	D	D		439.57		D	D
104B											
4/27/2000	XX	104BXX36643	150	8.17	3.5		426.44				
8/1/2000	XX	104BXX36739	137	8.07	5		422.38		32.58	1.2	0.8
10/24/2000	XX	104BXX36823	132	8.22	7		421.04			0.6	0.3
5/8/2001	XX	104BXX37019	150	8.13	7.2		424.71			1	5.5
7/24/2001	XX	104BXX37096	139	8.3	9.8		420.75		32.54	0.8	0.35
10/16/2001	XX	104BXX37180	144	8.14	7.8		418.82			1.1	0.64
5/15/2002	XX	104BXX37391	152	7.89	5.8		424.72			2.1	0.22
7/29/2002	XX	104BXX37466	149	7.77	8.8		421.79		32.52	1	0.73
10/15/2002	XX	104BXX37544	150	7.62	7.2		419.28			1.8	0.3
6/19/2003	XX	104BXX37791	161	8.17	7.3		424.43			0.7	0.2
8/5/2003	XX	104BXX37838	149	7.94	8.7		423.57		32.58	0.8	0.41
10/7/2003	XX	104BXX37901	153.6	8.12	7.5		424.28			1.6	0.3
4/26/2004	XX	104BXX38103	156.2	7.18	5.3		425.12			1.1	0.33
8/9/2004	XX	104BXX38208	144	7.56	8.7		422.148		32.61	1.3	0.4
10/11/2004	XX	104BXX38271	144	8.09	8.2		421.49			0.8	0.44
5/24/2005	XX	GW104B005	143	8.31	6.2	10.81	424.92	435.73		4	0.1
8/1/2005	XX	GW104B01H	142	7.52	8	13.41	422.32	435.73	32.58	0.9	0.6
10/25/2005	XX	GW104B039	142	7.22	7.9	10.16	425.57	435.73		1.3	0.5
5/10/2006	XX	GW104B085	138.9	6.96	6.2		425.2			1.2	0.58
7/24/2006	XX	GW104B06D	141	6.82	8.4		424.44		32.52	1	0.4
10/10/2006	XX	GW104B051	139	7.68	8.1		422.63			0.7	0.6
5/10/2007	XX	GW104B09H	138	6.92	6.8		425.13			1.5	0.7
8/6/2007	XX	GW104B0BA	139	7.52	7.2		421.88		32.58	1	0.3
10/24/2007	XX	GW104B0D2	140	7.14	7.7		422.37			0.7	0.7
5/28/2008	XX	GW104B0FA	142	7.69	6.6		423.98			0.6	0.3
8/11/2008	XX	GW104B0HA	140	7.09	8.4		424.97			0.5	0.4
10/15/2008	XX	GW104B0II	138	7.52	7.9		424.97			0.9	0.7
5/6/2009	XX	GW104B10I	142	6.34	6.2	10.96	424.77	435.73		1	0.6
8/4/2009	XX	GW104B12I	142	6.8	8.3	9.41	426.32	435.73		0.7	0.7
10/19/2009	XX	GW104B146	140	6.65	7.4	12.34	423.39	435.73		1.1	0.4
5/25/2010	XX	GW104B167	143	6.64	7.5		423.37			0.86	0.19
8/2/2010	XX	GW104B188	144	7.36	8.1		421.11			0.98	0.55
10/12/2010	XX	GW104B19G	146	7.68	7.9		421.84			0.68	0.4
5/16/2011	XX	GW104B1DI	132	7.8	5.9	10.22	425.51	435.73	32.48	1	0.2
8/9/2011	XX	GW104B1F9	149	7.65	12.1	14.72	421.01	435.73	32.4	1	0.2
11/3/2011	XX	GW104B1H0	145	7.4	7.4	11.52	424.21	435.73	32.6	1	0.2
5/14/2012	XX	GW104B1IE	146	7.9	8.2	10.24	425.49	435.73	32.42	1	0.6
8/14/2012	XX	GW104B207	113	7.8	11.7	14.76	420.97	435.73		2	0.2

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

(104B) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
10/31/2012	XX	GW104B221	143	7.4	10.8	10.55	425.18	435.73	32.6	0.8	0						
5/22/2013	XX	GW104B23F	144	7.3	7.7	11.35	424.38	435.73		1	0.8						
7/23/2013	XX	GW104B259	145	7.9	16	11.83	423.9	435.73		0.2	0.2						
10/1/2013	XX	GW104B273	140	7.8	11.7	11.3	424.43	435.73	32.42	1	0.5						
6/4/2014	XX	GW104B28H	143	7.7	9.3	11.55	424.18	435.73		1	0.2						
8/19/2014	XX	GW104B2AB	139	7.8	12.8	12.84	422.89	435.73		0.8	0.2						
11/12/2014	XX	GW104B2C5	145	8	7.9	10.56	425.17	435.73	32.55	1	0.2						
6/3/2015	XX	GW104B2E1	151	8	7.2	10.61	425.12	435.73		0.7	0.2						
9/2/2015	XX	GW104B2FG	131	8	11.6	12.24	423.49	435.73		0.9	0.3						
11/4/2015	XX	GW104B2HA	150	8.2	9.3	10.61	425.12	435.73	32.6	0.5	0.2						
6/14/2016	XX	GW104B310	140	7.8	8.9	11.86	423.87	435.73		0.9	0.4						
9/20/2016	XX	GW104B32E	147	8	10.6	16.25	419.48	435.73		0.7	0.3						
11/8/2016	XX	GW104B348	141	7.9	9	16.26	419.47	435.73	32.6	0.8	0.1						
6/14/2017	XX	GW104B363	137	8.1	9.2	11.99	423.74	435.73		0.8	0.5						
8/30/2017	XX	GW104B37H	153	8.2	8.9	15.98	419.75	435.73		0.8	0.2						
11/15/2017	XX	GW104B39B	150	8	8	11.4	424.33	435.73	32.6	0.4	0.2						
6/19/2018	XX	GW104B3B6	167	8.5	8	12.95	422.78	435.73		0.8	0.4						
8/14/2018	XX	GW104B3DF	171	8.1	9.9	13.38	422.35	435.73		0.6	0.3						
11/27/2018	XX	GW104B3EE	174	8.3	7.4	11.1	424.63	435.73	32.58	0.3	0.5						
6/4/2019	XX	GW104B3G9	140	7.8	8.9	10.97	424.76	435.73		4.6	0.4						
8/14/2019	XX	GW104B3II	140	8.3	9.3	14.02	421.71	435.73		5.5	0.2						
10/22/2019	XX	GW104B3JH	162	7.1	8.9	13.5	422.23	435.73		5	0.3						
107A																	
5/3/2000	XX	107AXX36649	1263	6.69	4.4		352.78										
8/10/2000	XX	107AXX36748	987	6.5	7		350.44		22.19	0.51	0.2						
11/9/2000	XX	107AXX36839	807	6.76	9		350.66			0.53	0.3						
5/16/2001	XX	107AXX37027	1083	6.58	7.1		351.59			0.4	0.1						
8/1/2001	XX	107AXX37104	1948	6.41	12.4		349.87		22.31	0.8	0.1						
10/24/2001	XX	107AXX37188	2620	6.63	11		350.19			0.8	0.3						
5/22/2002	XX	107AXX37398	2520	6.77	10.5		352.06			0.7	0.6						
8/2/2002	XX	107AXX37470	2710	6.52	12.4		350.61		22.31	0.4	0.3						
10/23/2002	XX	107AXX37552	2230	6.79	9.9		350.68			0.5	0.3						
6/24/2003	XX	107AXX37796	2220	6.56	10.6		351.52			0.3	0.2						
8/13/2003	XX	107AXX37846	2150	6.59	11.6		351.32		22.19	0.5	0.22						
10/16/2003	XX	107AXX37910	1967	6.66	10		351.89			0.7	0.34						
5/13/2004	XX	107AXX38120	1042	6.82	4.5		351.91			1.2	0.44						
8/2/2004	XX	107AXX38201	835	6.89	13		350.94		22.24	0.7	0.22						
10/19/2004	XX	107AXX38279	897	6.92	11.6		350.74			0.5	0.49						
5/10/2005	XX	GW107A006	1305	6.59	8.6	2.87	353.22	356.09		0.9	0.3						
7/27/2005	XX	GW107A01I	1375	6.4	11.6	5.23	350.86	356.09	22.23	1.5	0.3						
10/27/2005	XX	GW107A03A	1178	6.5	9.5	2.78	353.31	356.09		0.5	0.4						
5/3/2006	XX	GW107A086	697	6.75	6.5		352.57			0.8	0.42						
8/1/2006	XX	GW107A06E	597	6.79	12.7		351.44		22.03	0.6	0.5						
10/25/2006	XX	GW107A052	562	6.8	10.2		351.91			0.1	0.6						
5/8/2007	XX	GW107A09I	526	6.78	6.8		352.89			0.6	0.3						
8/7/2007	XX	GW107A0BB	609	6.74	11.2		350.59		22.21	0.85	0.3						
10/31/2007	XX	GW107A0D3	843	6.6	10.3		350.71			2	0.5						
5/28/2008	XX	GW107A0FB	819	6.56	8.5		351.61			0.4	0.4						
8/18/2008	XX	GW107A0HB	699	6.42	12.2		351.82			0.1	0.4						

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

(107A) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
10/23/2008	XX	GW107A0IJ	615	6.52	9		351.82			0.6	0.3
5/12/2009	XX	GW107A10J	503	6.43	8.6	3.58	352.51	356.09		0.58	0.1
8/11/2009	XX	GW107A12J	555	5.98	12.3	3.93	352.16	356.09		0.39	1.5
10/26/2009	XX	GW107A147	616	6.62	8.9	4.44	351.65	356.09		0.1	0.6
6/2/2010	XX	GW107A168	520	6.79	9.5		351.06			0.59	0.27
8/5/2010	XX	GW107A189	600	6.28	12.2		349.97			0.31	0.4
10/18/2010	XX	GW107A19H	961	6.4	10.6		350.97			0.11	0.28
5/18/2011	XX	GW107A1D8	970	6.2	12.2	2.9	353.19	356.09	22.1	1	0
8/9/2011	XX	GW107A1EJ	800	6.33	15.1	5.74	350.35	356.09	22.04	1	0.4
11/2/2011	XX	GW107A1GA	713	6.5	6.1	4.52	351.57	356.09	22.23	1	0.6
5/17/2012	XX	GW107A1I4	813	6.5	10.1	3.28	352.81	356.09	22.04	1	0
8/14/2012	XX	GW107A1JH	890	6.2	17.5	6.04	350.05	356.09		1	0.4
10/31/2012	XX	GW107A21B	1117	6.7	13.1	3.66	352.43	356.09	22.2	1	0
5/21/2013	XX	GW107A235	1301	6.5	10.8	4.44	351.65	356.09		0.8	0.1
7/22/2013	XX	GW107A24J	1080	6.5	15.3	5.2	350.89	356.09		0.8	0.2
10/1/2013	XX	GW107A26D	925	6.6	17.4	5.79	350.3	356.09	22.23	1	0.5
6/4/2014	XX	GW107A287	477	7	10.3	4.4	351.69	356.09		0.8	0.8
8/19/2014	XX	GW107A2A1	787	6.8	15.9	5.53	350.56	356.09		0.6	0.6
11/12/2014	XX	GW107A2BF	999	6.7	8.2	4.5	351.59	356.09	22.02	0.8	0.6
6/3/2015	XX	GW107A2DB	773	6.7	8.1	3.7	352.39	356.09		0.6	0.3
9/2/2015	XX	GW107A2F6	1118	6.6	15.8	4.95	351.14	356.09		0.7	0.3
11/4/2015	XX	GW107A2H0	1246	6.7	9.4	3.92	352.17	356.09	22.04	0.9	0.7
6/15/2016	XX	GW107A30A	655	6.6	10.4	4.66	351.43	356.09		0.5	0.6
9/20/2016	XX	GW107A324	627	6.8	14.6	6.55	349.54	356.09		0.4	0.4
11/8/2016	XX	GW107A33I	816	6.7	11.3	6.04	350.05	356.09	22.22	0.2	0.5
6/14/2017	XX	GW107A35D	1271	6.5	9.5	4.51	351.58	356.09		0.4	3.1
8/29/2017	XX	GW107A377	1543	6.7	12.9	6.35	349.74	356.09		0.5	0.3
11/15/2017	XX	GW107A391	1415	6.7	9.6	4.65	351.44	356.09	22.22	0.6	0.5
6/19/2018	XX	GW107A3AG	896	7	10.1	5.2	350.89	356.09		0.3	1.3
8/16/2018	XX	GW107A3D5	1258	7.2	11.8	5.28	350.81	356.09		0.6	0.5
11/28/2018	XX	GW107A3E4	1038	7.3	6.9	5.28	350.81	356.09	22.22	0.4	0.5
6/5/2019	XX	GW107A3FJ	653	7.2	11.1	3.74	352.35	356.09		0.1 U	0.4
8/14/2019	XX	GW107A3I8	1000	6.9	13.5	5.43	350.66	356.09		3.5	0.4
10/23/2019	XX	GW107A3J7	914	7.1	9.6	6.86	349.23	356.09		0.5	0.8
113											
4/27/2000	XX	113XX36643	1216	6.73	3.2		393				
8/1/2000	XX	113XX36739	1439	6.43	9		391.58		21.44	0.6	0.7
11/8/2000	XX	113XX36838	1241	6.48	8		391.46			0.54	0.5
5/8/2001	XX	113XX37019	1278	6.4	7.5		392.46			0.6	0.9
7/24/2001	XX	113XX37096	1338	6.4	11.3		391.11		21.47	0.7	1.68
10/16/2001	XX	113XX37180	1348	6.36	9.4		390.77			0.9	0.54
5/15/2002	XX	113XX37391	1279	6.36	5.4		392.67			0.9	0.27
7/31/2002	XX	113XX37468	1504	6.37	11.1		391.73		21.28	0.4	2.67
10/18/2002	XX	113XX37547	1465	6.4	8.9		391.04			0.5	0.5
6/18/2003	XX	113XX37790	1442	6.4	7.5		392.44			0.3	0.75
8/6/2003	XX	113XX37839	1448	6.42	10		392.28		21.44	0.5	1.32
10/6/2003	XX	113XX37900	1453	6.38	9.5		392.49			1.3	0.5
5/12/2004	XX	113XX38119	1411	6.48	6.4		392.44			0.6	0.46
8/19/2004	XX	113XX38218	1396	6.32	9.6		391.94		21.46	2.1	1.62

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

(113) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
10/18/2004	XX	113XX38278	1326	6.4	8.9		391.6			0.7	0.87						
5/24/2005	XX	GW113X008	1106	6.43	5.7	4.03	392.59	396.62		0.7	0.6						
8/17/2005	XX	GW113X020	1279	6.3	6.8	5.26	391.36	396.62	21.46	0.8	1.1						
10/13/2005	XX	GW113X03C	1275	6.15	6.1	4.21	392.41	396.62		0.7	0.6						
5/15/2006	XX	GW113X088	1201	6.4	6.1		392.64			1.3	0.66						
8/7/2006	XX	GW113X06G	1244	6.34	10.7		392.22		21.42	1.2	2.5						
10/11/2006	XX	GW113X054	1240	6.38	9.4		391.33			0.2	0.6						
5/22/2007	XX	GW113X0A0	1131	6.4	6.2		392.66			0.1	0.4						
8/21/2007	XX	GW113X0BD	1224	6.32	8.9		390.9		21.45	0.1	0.9						
11/1/2007	XX	GW113X0D5	1182	6.43	9.2		391.97			0.6	0.6						
5/28/2008	XX	GW113X0FD	1212	6.33	8.3		392.21			0.1	0.9						
8/26/2008	XX	GW113X0HD	1236	6.41	9.9		392.23			0.1	0.6						
10/28/2008	XX	GW113X0J1	1209	6.26	9.2		392.23			0.2	0.8						
5/18/2009	XX	GW113X111	1112	6.32	6.1	4.12	392.5	396.62		0.1	0.8						
8/17/2009	XX	GW113X131	1154	6.08	10.7	4.35	392.27	396.62		0.1	1.3						
10/29/2009	XX	GW113X149	1178	6.26	8.3	4.12	392.5	396.62		0.1	1						
6/10/2010	XX	GW113X16A	1121	6.24	7.6		391.23			0.1	0.68						
8/19/2010	XX	GW113X18B	1139	6.1	10.2		390.15			0.33	0.53						
10/26/2010	XX	GW113X19J	1118	6.14	9.5		392.07			0.1	0.47						
11/4/2011	XX	GW113X1I3	1105	6.3	7.8	4.19	392.43	396.62	21.5	1	0.7						
5/17/2012	XX	GW113X1JG	972	6.4	8.5	4.02	392.6	396.62	21.3	1	0						
8/14/2012	XX	GW113X219	1000	6	14.4	4.92	391.7	396.62		3	1.8						
10/31/2012	XX	GW113X233	1015	6.5	12.1	3.8	392.82	396.62	21.45	1	0						
5/22/2013	XX	GW113X24H	988	6	8.6	4.22	392.4	396.62		1	0.4						
7/25/2013	XX	GW113X26B	1001	6.2	11.7	4.43	392.19	396.62		1	0						
10/3/2013	XX	GW113X285	985	6.4	11	4.4	392.22	396.62	21.43	1	0.2						
6/6/2014	XX	GW113X29J	925	6.4	9.4	4.2	392.42	396.62		1	0.5						
8/22/2014	XX	GW113X2BD	936	6.7	12.1	5.01	391.61	396.62		1	0.3						
11/14/2014	XX	GW113X2D7	924	6.6	7.7	4.05	392.57	396.62	21.49	1	0.5						
6/5/2015	XX	GW113X2F3	1049	6.4	8.7	4.03	392.59	396.62		1.2	0.4						
9/2/2015	XX	GW113X2GI	972	6.9	11.2	4.64	391.98	396.62		1	0.2						
11/5/2015	XX	GW113X2IC	929	6.1	8.9	4.05	392.57	396.62	21.49	0.7	0.2						
6/13/2016	XX	GW113X322	989	6.2	8.5	4.37	392.25	396.62		0.6	0.5						
9/19/2016	XX	GW113X33G	950	6.7	12.5	6.44	390.18	396.62		0.6	0.3						
11/7/2016	XX	GW113X35A	948	6.5	8.7	6.42	390.2	396.62	21.48	0.6	0.2						
6/12/2017	XX	GW113X375	924	6.4	9.8	4.19	392.43	396.62		0.1	4.2						
8/28/2017	XX	GW113X38J	1094	6.6	11.2	5.41	391.21	396.62		0.8	0.3						
11/13/2017	XX	GW113X3AD	1023	6.3	8.6	4.18	392.44	396.62	21.48	1.5	0.2						
6/18/2018	XX	GW113X3C8	1080	6.6	9.2	4.5	392.12	396.62		1.4	0.3						
8/13/2018	XX	GW113X3D3	1262	6.4	13.9	4.88	391.74	396.62		0.5	0.5						
11/26/2018	XX	GW113X3FG	A	A	A	A	A	396.62		A	A						
6/3/2019	XX	GW113X3HB	910	7.1	12.2	4.15	392.47	396.62		9.9	0.5						
8/12/2019	XX	GW113X3I6	767	6.9	15.3	4.39	392.23	396.62		3.2	1.2						
10/23/2019	XX	GW113X40J	777	7.3	10.4	5.34	391.28	396.62		8.3	0.5						
202AR																	
4/27/2000	XX	202ARXX36643	1804	6.65	3.7		413.27										
8/2/2000	XX	202ARXX36740	1767	6.72	7		410.84		84.33	0.47	0.2						
10/24/2000	XX	202ARXX36823	1739	6.71	6		409.82			0.4	0.2						
5/9/2001	XX	202ARXX37020	1912	6.62	7.2		412.01			0.6	0.3						

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

(202AR)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
7/24/2001	XX	202ARXX37096	1785	6.58	10.8		408.7		84.25	0.5	0.2
10/16/2001	XX	202ARXX37180	1929	6.53	9.3		407.89			3.1	0.2
5/16/2002	XX	202ARXX37392	1947	6.61	7.1		413.12			1	0.27
7/31/2002	XX	202ARXX37468	1853	6.57	11.1		410.15		84.22	1.2	0.53
10/16/2002	XX	202ARXX37545	1915	6.63	7.6		408.32			4	0.2
6/17/2003	XX	202ARXX37789	1995	6.59	8		412.37			0.2	1.7
8/6/2003	XX	202ARXX37839	1851	6.61	10.1		411.54		84.07	0.4	0.43
10/8/2003	XX	202ARXX37902	1906	6.62	8.1		412.43			1.7	0.31
4/28/2004	XX	202ARXX38105	1930	6.62	5.4		412.42			2.4	0.22
8/11/2004	XX	202ARXX38210	1806	6.49	9.3		409.4		84.32	2.4	0.26
10/12/2004	XX	202ARXX38272	1786	6.52	8.2		409.05			2	0.41
5/19/2005	XX	GW202A009	1717	6.58	6.6	1.91	412.03	413.94		3.8	0.2
8/4/2005	XX	GW202A021	1680	6.56	5.8	4.22	409.72	413.94	84.25	0.6	0.4
10/25/2005	XX	GW202A03D	1781	6.57	7.8	1.47	412.47	413.94		0.3	0.3
5/9/2006	XX	GW202A089	1687	6.56	6.4		411.62			1.4	0.49
7/25/2006	XX	GW202A06H	1680	6.52	10.5		411.02		84.05	0.6	0.4
10/19/2006	XX	GW202A055	1686	6.64	8.7		411.36			0.1	0.4
5/10/2007	XX	GW202A0A1	1673	6.53	8.3		411.23			0.2	0.6
8/6/2007	XX	GW202A0BE	1669	6.49	9.6		408.42		84.25	0.1	0.4
10/25/2007	XX	GW202A0D6	1746	6.57	8		410.46			0.4	0.5
5/29/2008	XX	GW202A0FE	1656	6.64	6.7		410.63			0.1	0.4
8/12/2008	XX	GW202A0HE	1713	6.54	10.4		411.72			0.1	0.7
10/16/2008	XX	GW202A0J2	1595	6.54	8.6		411.72			1.4	0.5
5/4/2009	XX	GW202A112	1693	6.46	7	2.64	411.3	413.94		0.3	0.2
8/5/2009	XX	GW202A132	1689	6.06	10.7	2.14	411.8	413.94		0.2	0.5
10/20/2009	XX	GW202A14A	1643	6.34	7.5	3.6	410.34	413.94		0.1	0.4
5/26/2010	XX	GW202A16B	1577	6.33	9.4		409.66			5.56	0.25
8/2/2010	XX	GW202A18C	1628	6.33	10.1		407.83			0.42	0.54
10/12/2010	XX	GW202A1A0	1693	6.44	8.4		410.31			0.42	0.42
5/17/2011	XX	GW202A1DJ	1515	6.5	6.2	2.04	411.9	413.94	84.08	1	0.7
8/10/2011	XX	GW202A1FA	1602	6.43	11.3	5.97	407.97	413.94	84.1	1	0.2
11/3/2011	XX	GW202A1H1	1648	6.5	7.8	2.98	410.96	413.94	84.25	1	0.2
5/16/2012	XX	GW202A1IF	1527	6.5	9.8	2.53	411.41	413.94	84.06	0.6	0
8/15/2012	XX	GW202A208	1524	6.5	12.1	6.35	407.59	413.94		0.4	0.2
10/31/2012	XX	GW202A222	1546	6.7	12.1	2.1	411.84	413.94	84.3	0.4	0
5/20/2013	XX	GW202A23G	1579	6.6	8.8	3.65	410.29	413.94		1	0.3
7/23/2013	XX	GW202A25A	1540	6.5	12.3	5.29	408.65	413.94		1	0.2
10/2/2013	XX	GW202A274	1514	6.7	11.2	4.24	409.7	413.94	84.29	0.3	0.2
6/3/2014	XX	GW202A28I	1496	6.5	11.3	4.3	409.64	413.94		1	1.3
8/19/2014	XX	GW202A2AC	1459	6.8	11.3	5.96	407.98	413.94		0.8	0.1
11/12/2014	XX	GW202A2C6	1437	6.7	7.5	3.11	410.83	413.94	84.18	1	0.2
6/2/2015	XX	GW202A2E2	1654	6.5	7	3.48	410.46	413.94		0.4	0.3
9/2/2015	XX	GW202A2FH	1429	6.5	12.1	5.44	408.5	413.94		0.5	0.05 U
11/3/2015	XX	GW202A2HB	1475	6.5	7.9	3.35	410.59	413.94	84.3	0.1	0.2
6/14/2016	XX	GW202A311	1433	6.4	10.9	4.52	409.42	413.94		0.7	1.5
9/22/2016	XX	GW202A32F	1458	6.5	10.1	8.87	405.07	413.94		0.8	0.5
11/9/2016	XX	GW202A349	1460	6.5	8.6	9.12	404.82	413.94	84.2	0.1	0.1
6/13/2017	XX	GW202A364	1400	6.6	10.3	4.33	409.61	413.94		3	0.8
8/30/2017	XX	GW202A37I	1435	6.4	9.4	7.45	406.49	413.94		0.3	0.8
11/16/2017	XX	GW202A39C	1394	6.8	7.4	7.56	406.38	413.94	84.2	0.6	0.5

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

(202AR) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
6/20/2018	XX	GW202A3B7	1586	6.7	9.6	4.96	408.98	413.94		0.5	0.3
8/14/2018	XX	GW202A3DG	1570	6.6	10.5	5.54	408.4	413.94		0.3	0.1
11/27/2018	XX	GW202A3EF	F	F	F	F	F	413.94		F	F
6/4/2019	XX	GW202A3GA	1418	6.6	9	3.93	410.01	413.94		2.8	1.2
8/13/2019	XX	GW202A3IJ	1403	6.6	11.6	5.72	408.22	413.94		1.6	0.3
10/24/2019	XX	GW202A3JI	1410	6.9	8	4.13	409.81	413.94		0.4	0.2
202B											
4/27/2000	XX	202BXX36643	929	6.68	3.6		409.98				
8/2/2000	XX	202BXX36740	1566	6.55	9		407.94		12.15	0.4	2.4
10/24/2000	XX	202BXX36823	1910	6.59	8		407.42			0.4	3.9
5/9/2001	XX	202BXX37020	1298	6.45	6.8		409.11			0.4	9
7/25/2001	XX	202BXX37097	1875	6.49	12.3		405.94		12.13	0.6	4.42
10/16/2001	XX	202BXX37180	1548	6.61	11.1		405.25			0.6	1.75
5/16/2002	XX	202BXX37392	1207	6.39	6.2		410.08			1.4	0.76
7/31/2002	XX	202BXX37468	1661	6.42	12.8		407.4		12.13	0.4	3.31
10/16/2002	XX	202BXX37545	1576	6.68	9.4		405.64			0.7	8.1
6/17/2003	XX	202BXX37789	1285	6.53	8.1		409.24			0.3	4.7
8/6/2003	XX	202BXX37839	1394	6.52	12.8		408.58		12.15	0.4	1.21
10/8/2003	XX	202BXX37902	1648	6.48	10.6		409.36			0.7	3.42
4/28/2004	XX	202BXX38105	1200	6.54	5.5		409.25			1.7	1.91
8/11/2004	XX	202BXX38210	1732	6.42	12.1		406.54		12.14	1.1	1.6
10/12/2004	XX	202BXX38272	1828	6.45	10		406.24			0.7	2.61
5/19/2005	XX	GW202B00A	883	6.53	6.2	5.49	408.87	414.36		0.8	6.4
8/4/2005	XX	GW202B022	1300	6.45	8.1	7.42	406.94	414.36	11.37 Z3	1.2	19.1
10/25/2005	XX	GW202B03E	1345	6.5	9.2	5.01	409.35	414.36		0.7	48.9
5/9/2006	XX	GW202B08A	917	6.57	5.4		408.59			0.9	49.2
7/25/2006	XX	GW202B06I	1066	6.42	12.3		408.08		11.24	1.1	35.3
10/19/2006	XX	GW202B056	1399	6.52	10.1		408.49			0.3	35.4
5/10/2007	XX	GW202B0A2	865	6.52	6.6		408.17			0.1	29.1
8/6/2007	XX	GW202B0BF	1377	6.7	12.5		405.83		11.41	6.29	48.7
10/25/2007	XX	GW202B0D7	1214	6.6	9.7		407.76			0.6	7.5
5/29/2008	XX	GW202B0FF	822	6.64	6.9		407.48			0.6	9.4
8/26/2008	XX	GW202B0HF	880	6.48	13		408.6			0.3	12.6
10/16/2008	XX	GW202B0J3	1153	6.4	10.4		408.6			0.8	23.7
5/4/2009	XX	GW202B113	822	6.41	6	6.46	407.9	414.36		0.48	27.4
8/5/2009	XX	GW202B133	864	5.96	13.4	5.92	408.44	414.36		0.41	28.2
10/20/2009	XX	GW202B14B	1255	6.18	8.9	7.1	407.26	414.36		0.1	64.7
5/26/2010	XX	GW202B16C	912	6.56	9.4		406.55			0.19	11.6
8/2/2010	XX	GW202B18D	1260	6.33	12.8		404.85			0.66	3.88
10/12/2010	XX	GW202B1A1	867	6.5	10.7		407.29			0.98	3.31
5/17/2011	XX	GW202B1E0	650	6.5	5.5	5.62	408.74	414.36	11.25	1	4.1
8/10/2011	XX	GW202B1FB	1290	6.37	13.6	9.16	405.2	414.36	11.25	1	3
11/3/2011	XX	GW202B1H2	886	6.5	9.3	6.65	407.71	414.36	11.5	1	1.2
5/16/2012	XX	GW202B1IG	710	6.5	8.8	6.1	408.26	414.36	11.27	0.4	6
8/15/2012	XX	GW202B209	1125	6.4	15.4	9.5	404.86	414.36		0.6	0.6
10/31/2012	XX	GW202B223	807	6.7	12.8	5.56	408.8	414.36	11.53	0.6	0
5/20/2013	XX	GW202B23H	751	6.6	8.5	7.02	407.34	414.36		4	11.1
7/23/2013	XX	GW202B25B	853	6.4	13.4	8.76	405.6	414.36		2	2.9
10/2/2013	XX	GW202B275	973	6.7	13.8	7.31	407.05	414.36	11.48	0.8	0.2

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

(202B) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
6/3/2014	XX	GW202B28J	842	6.6	10.6	7.92	406.44	414.36		2	5.3
8/19/2014	XX	GW202B2AD	1162	6.7	12.9	9.15	405.21	414.36		0.8	0.3
11/12/2014	XX	GW202B2C7	1162	6.6	8	6.6	407.76	414.36	11.42	2	0.2
6/2/2015	XX	GW202B2E3	793	6.6	7.8	6.65	407.71	414.36		0.3	0.1
9/2/2015	XX	GW202B2FI	1209	6.5	16.1	8.64	405.72	414.36		0.9	0.2
11/3/2015	XX	GW202B2HC	1028	6.5	8.8	6.6	407.76	414.36	11.5	0.4	0.1
6/14/2016	XX	GW202B312	778	6.3	9	8.13	406.23	414.36		0.2	11.3
9/22/2016	XX	GW202B32G	I	I	I	I	I	414.36		I	I
11/9/2016	XX	GW202B34A	I	I	I	11.03	403.33	414.36	11.52	I	I
6/13/2017	XX	GW202B365	847	6.6	13.1	7.92	406.44	414.36		1	7.4
8/30/2017	XX	GW202B37J	I	I	I	I	I	414.36		I	I
11/16/2017	XX	GW202B39D	1108	6.6	8	7.4	406.96	414.36	11.52	0.6	0.3
6/20/2018	XX	GW202B3B8	840	6.7	14.3	8.6	405.76	414.36		1.2	2.5
8/14/2018	XX	GW202B3DH	713	6.6	17.2	9.1	405.26	414.36		1.6	2.4
11/27/2018	XX	GW202B3EG	1369	7	5.4	7.26	407.1	414.36	11.52	0.2	0.5
6/4/2019	XX	GW202B3GB	604	6.7	9.7	7.59	406.77	414.36		2.4	2.3
8/13/2019	XX	GW202B3J0	949	6.6	15.5	9.31	405.05	414.36		3.5	0.8
10/24/2019	XX	GW202B3JJ	917	6.9	9	7.56	406.8	414.36		0.6	0.3
205A											
4/27/2000	XX	205AXX36643	553	7.16	4		414.67				
8/2/2000	XX	205AXX36740	692	7.06	9		411.86		34.92	0.57	0.3
10/25/2000	XX	205AXX36824	541	7.1	6		411.33			0.7	0.2
5/9/2001	XX	205AXX37020	660	7.02	7.8		413.35			0.8	0.2
7/25/2001	XX	205AXX37097	601	7.04	11		409.62		34.89	1	0.1
10/17/2001	XX	205AXX37181	570	7.08	9.6		410.25			2.9	0.18
5/15/2002	XX	205AXX37391	906	6.92	6.4		414.43			0.9	0.17
8/1/2002	XX	205AXX37469	764	6.88	10.6		411.26		35.71	0.8	0.29
10/16/2002	XX	205AXX37545	758	6.88	8.2		410.36			0.6	0.2
6/19/2003	XX	205AXX37791	994	6.94	8.5		413.62			0.4	0.5
8/20/2003	XX	205AXX37853	758	6.97	10.7		412.11		34.96	0.5	0.36
10/9/2003	XX	205AXX37903	746	7	10		413.66			0.8	0.29
4/27/2004	XX	205AXX38104	852	7.06	5.2		413.89			2.3	0.25
8/12/2004	XX	205AXX38211	713	6.8	11.6		411.35		34.94	1	0.35
10/14/2004	XX	205AXX38274	686	6.88	8.2		411.07			1.1	0.19
5/17/2005	XX	GW205A00B	901	7	6.5	5.62	414.45	420.07		0.7	0.2
8/4/2005	XX	GW205A023	966	6.97	6.8	8.21	411.86	420.07	34.88	1	0.4
10/27/2005	XX	GW205A03F	737	6.92	8.2	5.22	414.85	420.07		1.1	0.5
5/9/2006	XX	GW205A08B	818	7	6.9		413.72			0.8	0.51
7/25/2006	XX	GW205A06J	1013	6.92	11.1		413.02		34.7	0.6	0.5
10/23/2006	XX	GW205A057	683	7.15	8.7		414.27			0.1	0.3
5/14/2007	XX	GW205A0A3	928	6.84	6.1		412.16			0.1	0.5
8/16/2007	XX	GW205A0BG	857	7.01	9		411.02		34.87	0.7	0.7
10/25/2007	XX	GW205A0D8	758	7.13	9.1		413.17			0.2	0.5
5/29/2008	XX	GW205A0FG	971	7.23	6.8		412.81			0.1	0.4
8/12/2008	XX	GW205A0HG	989	6.97	11		414.05			0.1	0.9
10/16/2008	XX	GW205A0J4	861	6.94	9.5		414.05			0.2	0.7
5/4/2009	XX	GW205A114	909	6.9	7.3	6.3	413.77	420.07		0.4	0.4
8/5/2009	XX	GW205A134	938	6.56	12.3	5.47	414.6	420.07		0.5	0.9
10/20/2009	XX	GW205A14C	801	6.85	8.3	7.15	412.92	420.07		0.1	1

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

(205A) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
5/26/2010	XX	GW205A16D	842	6.98	9.7		411.94			0.63	0.28
8/3/2010	XX	GW205A18E	749	6.74	10.3		410.29			0.4	1.49
10/13/2010	XX	GW205A1A2	616	6.95	9.5		412.82			0.42	0.87
5/17/2011	XX	GW205A1E1	680	7	6.3	5.38	414.69	420.07	34.71	0.8	2.9
8/9/2011	XX	GW205A1FC	827	6.9	13.8	9.1	410.97	420.07	34.72	2	1.5
11/3/2011	XX	GW205A1H3	724	6.9	10.1	6.7	413.37	420.07	35.91	2	0.3
5/16/2012	XX	GW205A1IH	588	7.1	11.1	5.71	414.36	420.07	34.7	1	0
8/16/2012	XX	GW205A20A	643	7	13.7	10.86	409.21	420.07		2	0.8
10/30/2012	XX	GW205A224	575	7.1	12.7	6.61	413.46	420.07	34.89	1	0
5/20/2013	XX	GW205A23I	561	6.9	8.8	7.5	412.57	420.07		1	0.5
7/23/2013	XX	GW205A25C	572	7.3	10.3	8.5	411.57	420.07		1	0.7
10/2/2013	XX	GW205A276	516	7.5	12.9	7.75	412.32	420.07	34.97	1	0.3
6/3/2014	XX	GW205A290	510	7.1	10.1	7.23	412.84	420.07		2	0.3
8/19/2014	XX	GW205A2AE	512	7.2	11.6	9.05	411.02	420.07		0.8	0.2
11/12/2014	XX	GW205A2C8	494	7.3	8.2	6.05	414.02	420.07	34.82	2	0.5
6/2/2015	XX	GW205A2E4	544	7.3	6.6	6.2	413.87	420.07		0.4	0.3
9/2/2015	XX	GW205A2FJ	474	7.7	11.6	7.92	412.15	420.07		0.5	0.8
11/3/2015	XX	GW205A2HD	472	7.1	8.6	5.98	414.09	420.07	34.85	8.6	0.8
6/14/2016	XX	GW205A313	534	7.3	8.5	7.45	412.62	420.07		0.5	1.5
9/21/2016	XX	GW205A32H	548	7.6	9.8	11.25	408.82	420.07		0.5	0.4
11/9/2016	XX	GW205A34B	489	7.2	9.5	10.1	409.97	420.07	34.83	0.6	0.2
6/13/2017	XX	GW205A366	508	7.4	10.8	7.01	413.06	420.07		0.9	1.6
8/30/2017	XX	GW205A380	508	6.9	9.5	10	410.07	420.07		1	0.5
11/16/2017	XX	GW205A39E	488	7.8	7.8	6.43	413.64	420.07	34.83	0.3	0.5
6/19/2018	XX	GW205A3B9	551	7.5	8.9	8.11	411.96	420.07		0.8	1.6
8/14/2018	XX	GW205A3DI	542	7.2	10.5	7.74	412.33	420.07		0.5	0.3
11/27/2018	XX	GW205A3EH	497	7.7	7.6	6.15	413.92	420.07	34.81	0.5	0.8
6/4/2019	XX	GW205A3GC	484	7.5	7.7	6.2	413.87	420.07		2.1	1.1
8/13/2019	XX	GW205A3J1	482	7.3	10.7	9.3	410.77	420.07		4.5	0.8
10/23/2019	XX	GW205A400	454	7.6	8.9	8.1	411.97	420.07		0.6	0.6
205B											
4/27/2000	XX	205BXX36643	378	7.16	3.3		415.25				
8/2/2000	XX	205BXX36740	328	7.08	8		412.14		17.75	0.45	0.5
10/25/2000	XX	205BXX36824	386	7.03	8		411.77			0.6	0.2
5/9/2001	XX	205BXX37020	796	6.89	8		413.75			0.5	0.4
7/25/2001	XX	205BXX37097	461	6.88	11.4		409.64		17.79	0.8	0.66
10/17/2001	XX	205BXX37181	697	6.74	10.9		410.62			1.8	0.48
5/15/2002	XX	205BXX37391	968	7.01	5.7		415			0.9	0.22
8/1/2002	XX	205BXX37469	865	6.49	10.1		411.42		18.58	0.4	0.4
10/16/2002	XX	205BXX37545	1144	6.44	9.4		410.68			1	0.5
6/19/2003	XX	205BXX37791	1066	6.85	8.1		413.91			0.5	0.4
8/19/2003	XX	205BXX37852	597	6.62	11.1		412.51		17.76	0.4	4.24
10/9/2003	XX	205BXX37903	1274	6.75	10.4		414.01			1.1	0.43
4/27/2004	XX	205BXX38104	876	7.03	5.9		414.32			2.1	0.2
8/12/2004	XX	205BXX38211	395	6.73	10.5		411.5		17.79	1.7	0.52
10/14/2004	XX	205BXX38274	460	6.54	9.7		411.15			0.4	0.72
5/17/2005	XX	GW205B00C	894	6.94	5.6	4.64	414.69	419.33		1.1	0.2
8/4/2005	XX	GW205B024	335	7.05	6.8	7.48	411.85	419.33	17.75	0.7	1.1
10/27/2005	XX	GW205B03G	922	6.82	9.4	4.21	415.12	419.33		0.6	0.5

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

(205B) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
5/9/2006	XX	GW205B08C	670	7.08	5.8		414.05			1.4	0.67
7/25/2006	XX	GW205B070	302	7.16	11		412.96		17.58	1.7	0.7
10/19/2006	XX	GW205B058	212	7.25	10.4		413.83			0.1	0.8
5/14/2007	XX	GW205B0A4	600	7.06	5.4		413.12			0.4	0.5
8/16/2007	XX	GW205B0BH	633	7.1	9.9		410.86		17.75	0.5	1.3
10/25/2007	XX	GW205B0D9	389	7.26	9.9		413.39			0.5	0.6
5/27/2008	XX	GW205B0FH	599	7.42	6.2		412.66			0.1	0.6
8/12/2008	XX	GW205B0HH	614	7.13	11.1		414.33			0.3	0.8
10/16/2008	XX	GW205B0J5	339	7.35	10.2		414.33			0.6	0.5
5/4/2009	XX	GW205B115	525	7.15	6.4	5.63	413.7	419.33		0.4	0.5
8/5/2009	XX	GW205B135	563	6.82	12	4.75	414.58	419.33		0.2	0.5
10/20/2009	XX	GW205B14D	340	7.35	8.9	6.43	412.9	419.33		0.1	0.7
5/26/2010	XX	GW205B16E	411	7.23	10.1		411.83			0.56	0.4
8/3/2010	XX	GW205B18F	472	7.05	11.2		409.93			0.5	0.74
10/13/2010	XX	GW205B1A3	352	7.03	10.2		413.03			0.42	0.25
5/17/2011	XX	GW205B1E2	473	7.2	6	4.65	414.68	419.33	17.56	0.6	0.6
8/9/2011	XX	GW205B1FD	225	7	15.7	8.64	410.69	419.33	17.57	2	1.1
11/3/2011	XX	GW205B1H4	277	6.9	11.2	5.93	413.4	419.33	17.76	1	0.3
5/16/2012	XX	GW205B1II	345	7.4	10.9	4.81	414.52	419.33	17.55	1	0.3
8/16/2012	XX	GW205B20B	247	7	14.5	9.67	409.66	419.33		2	1.5
10/30/2012	XX	GW205B225	417	7.1	12.8	5.56	413.77	419.33	17.78	0.6	0
5/20/2013	XX	GW205B23J	257	7.4	9.5	6.78	412.55	419.33		1	0.5
7/23/2013	XX	GW205B25D	281	7.4	12.6	8.28	411.05	419.33		1	0.8
10/2/2013	XX	GW205B277	260	7.5	13.7	6.95	412.38	419.33	17.76	1	0.3
6/3/2014	XX	GW205B291	408	7.1	11	6.95	412.38	419.33		1	0.4
8/19/2014	XX	GW205B2AF	324	7.1	11.8	8.81	410.52	419.33		1	0.2
11/12/2014	XX	GW205B2C9	330	7.2	8.9	5.36	413.97	419.33	17.72	1	0.2
6/2/2015	XX	GW205B2E5	259	7.3	6.1	5.53	413.8	419.33		1	0.2
9/2/2015	XX	GW205B2G0	192	7.1	13.6	7.47	411.86	419.33		0.2	0.1
11/3/2015	XX	GW205B2HE	298	7.3	9.3	5.31	414.02	419.33	17.75	2	0.1
6/14/2016	XX	GW205B314	228	7.4	8.3	7	412.33	419.33		0.5	1.5
9/21/2016	XX	GW205B32I	201	7.2	12.3	10.96	408.37	419.33		0.3	0.3
11/9/2016	XX	GW205B34C	178	7	10.1	9.75	409.58	419.33	17.76	0.4	0.1
6/13/2017	XX	GW205B367	305	7.4	10.4	6.85	412.48	419.33		0.5	1.1
8/30/2017	XX	GW205B381	203	7.2	10.9	10.01	409.32	419.33		1	0.2
11/16/2017	XX	GW205B39F	389	7.6	9.1	5.95	413.38	419.33	17.76	0.4	0.4
6/19/2018	XX	GW205B3BA	288	7.4	8.8	8.01	411.32	419.33		1.5	2.1
8/14/2018	XX	GW205B3DJ	256	7.1	12.6	7.66	411.67	419.33		0.9	0.3
11/27/2018	XX	GW205B3EI	439	8	7.2	5.58	413.75	419.33	17.76	3.6	0.5
6/4/2019	XX	GW205B3GD	467	7.4	7.8	5.96	413.37	419.33		2.1	0.3
8/13/2019	XX	GW205B3J2	190	7.2	13.1	8.78	410.55	419.33		4.4	0.5
10/23/2019	XX	GW205B401	369	7.9	9.7	7.83	411.5	419.33		0.5	0.3
206A											
4/27/2000	XX	206AXX36643	1291	6.17	3		404.16				
8/2/2000	XX	206AXX36740	2590	6.83	6		397.58		31.23	0.45	0.4
10/25/2000	XX	206AXX36824	3130	6.84	7		395.14			0.4	0.8
5/8/2001	XX	206AXX37019	2350	6.69	8		401.83			0.5	0.6
7/25/2001	XX	206AXX37097	2910	6.71	9.2		395.73		31.21	0.5	0.39
10/17/2001	XX	206AXX37181	3480	6.7	9.8		393.13			0.8	1.37

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

(206A)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
5/16/2002	XX	206AXX37392	1802	6.71	6.4		401.65			1.3	0.62
8/1/2002	XX	206AXX37469	2230	6.66	9.6		397.81		31.04	0.5	1
10/17/2002	XX	206AXX37546	3440	6.81	8.2		394.71			5	1.7
6/19/2003	XX	206AXX37791	2380	6.7	7.5		400.49			0.3	1.3
8/18/2003	XX	206AXX37851	2350	6.76	8.4		398.37		31.24	0.6	0.64
10/13/2003	XX	206AXX37907	2510	6.8	9		399.09			0.9	0.34
4/29/2004	XX	206AXX38106	2390	6.75	5.6		400.6			2.7	0.96
8/16/2004	XX	206AXX38215	2940	6.65	8.5		397.39		31.21	1	1.34
10/12/2004	XX	206AXX38272	2650	6.81	8		397.08			2.2	1.66
5/17/2005	XX	GW206A00D	1950	6.66	6.4	13.48	401.83	415.31		1.6	0.4
8/15/2005	XX	GW206A025	2580	6.66	5.2	18.1	397.21	415.31	31.22	0.7	1.1
10/24/2005	XX	GW206A03H	2270	6.69	5	13.35	401.96	415.31		1.3	0.4
5/11/2006	XX	GW206A08D	2160	6.68	7		400.46			2	0.84
7/26/2006	XX	GW206A071	2200	6.68	9.5		398.96		31.06	1.5	1.2
10/23/2006	XX	GW206A059	2250	6.69	8.8		400.1			0.5	1
5/14/2007	XX	GW206A0A5	2000	6.6	7		400.55			0.3	0.7
8/16/2007	XX	GW206A0BI	2600	6.7	8.6		396.58		31.22	0.2	1.3
10/29/2007	XX	GW206A0DA	2670	6.71	7.2		398.48			2.8	0.6
5/27/2008	XX	GW206A0FI	1938	6.73	6.6		399.1			0.1	1
8/13/2008	XX	GW206A0HI	1621	6.62	9.1		400.77			0.1	0.6
10/20/2008	XX	GW206A0J6	2090	6.49	7.3		400.77			0.4	0.7
5/5/2009	XX	GW206A116	1884	6.62	6	14.65	400.66	415.31		0.2	0.7
8/6/2009	XX	GW206A136	1531	6.04	10.2	12.71	402.6	415.31		1	1.5
10/21/2009	XX	GW206A14E	2230	6.43	8.2	17.36	397.95	415.31		0.1	0.9
5/27/2010	XX	GW206A16F	1284	6.43	7.5		397.82			1.03	0.35
8/3/2010	XX	GW206A18G	2180	6.55	10.1		396.77			0.53	0.94
10/13/2010	XX	GW206A1A4	1941	6.63	8.7		397.62			0.28	0.94
5/17/2011	XX	GW206A1E3	1422	6.6	6.3	11.39	403.92	415.31	31.07	0.6	0.5
8/9/2011	XX	GW206A1FE	2569	6.49	13.3	18.47	396.84	415.31	31.08	1	0.6
11/3/2011	XX	GW206A1H5	2004	6.6	9.4	15.34	399.97	415.31	31.24	1	0.3
5/16/2012	XX	GW206A1IJ	1570	6.7	10.5	12.96	402.35	415.31	31.06	0.4	1.2
8/15/2012	XX	GW206A20C	2144	6.3	16.1	18.32	396.99	415.31		1	0.3
10/30/2012	XX	GW206A226	630	6.5	12.2	15.26	400.05	415.31	31.26	1	0
5/20/2013	XX	GW206A240	1734	6.7	9.3	16.5	398.81	415.31		0.6	0.4
7/23/2013	XX	GW206A25E	1073	6.5	14	16.94	398.37	415.31		1	0.7
10/2/2013	XX	GW206A278	2060	6.9	13.6	16.85	398.46	415.31	31.27	0.4	0.6
6/3/2014	XX	GW206A292	811	6.1	10.4	15.43	399.88	415.31		0.6	0.8
8/20/2014	XX	GW206A2AG	1880	6.9	10.6	18.53	396.78	415.31		1	0.4
11/11/2014	XX	GW206A2CA	210	6.5	8.7	14.8	400.51	415.31	31.2	0.8	0.5
6/2/2015	XX	GW206A2E6	1845	6.6	5.8	14.35	400.96	415.31		0.7	0.2
9/2/2015	XX	GW206A2G1	2167	6.6	13	18.41	396.9	415.31		1.6	0.3
11/3/2015	XX	GW206A2HF	358	6.4	7.9	14.48	400.83	415.31	31.25	0.5	0.2
6/15/2016	XX	GW206A315	1858	6.5	10.1	17.31	398	415.31		0.4	1.1
9/21/2016	XX	GW206A32J	2428	6.6	10.5	21.75	393.56	415.31		2.2	0.3
11/9/2016	XX	GW206A34D	2645	6.6	8.4	22.3	393.01	415.31	31.24	0.3	0.2
6/13/2017	XX	GW206A368	1659	6.6	10.6	14.99	400.32	415.31		2.1	2.1
8/30/2017	XX	GW206A382	2540	6.7	8.3	18.6	396.71	415.31		1.8	0.2
11/15/2017	XX	GW206A39G	2570	6.6	7.7	16.16	399.15	415.31	31.24	0.7	0.4
6/19/2018	XX	GW206A3BB	2159	6.7	8.2	16.75	398.56	415.31		0.3	1.1
8/14/2018	XX	GW206A3E0	2688	6.7	10	18.28	397.03	415.31		0.4	0.5

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

(206A) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
11/27/2018	XX	GW206A3EJ	1731	6.7	7.6	14.75	400.56	415.31	31.24	0.2	0.5
6/4/2019	XX	GW206A3GE	470	6.7	8.4	13.2	402.11	415.31		2.1	0.5
8/13/2019	XX	GW206A3J3	2125	6.7	12.1	17.72	397.59	415.31		5.1	0.5
10/23/2019	XX	GW206A402	2490	6.9	8.2	13.75	401.56	415.31		0.5	0.4
206B											
4/27/2000	XX	206BXX36643	75	6.83	3.6		405.17				
8/2/2000	XX	206BXX36740	D	D	D				18.69		
10/25/2000	XX	206BXX36824	D	D	D						
5/8/2001	XX	206BXX37019	96.1	5.26	9.2		402.21			9.7	4
7/25/2001	XX	206BXX37097	D	D	D				18.66	D	D
10/17/2001	XX	206BXX37181	D	D	D					D	D
5/16/2002	XX	206BXX37392	157	6.35	6		401.91			4.5	2.33
7/29/2002	XX	206BXX37466	D	D	D				18.69	D	D
10/15/2002	XX	206BXX37544	D	D	D					D	D
6/17/2003	XX	206BXX37789	207	6.27	7.2		400.7			4	2.7
8/18/2003	XX	206BXX37851	171.6	6.12	9.7		399.01		18.67	4.3	2.58
10/13/2003	XX	206BXX37907	116.7	6.19	10.2		399.6			8.6	1.88
4/29/2004	XX	206BXX38106	194.4	6.18	5		400.96			3.9	1.94
8/16/2004	XX	206BXX38215	D	D	D				18.68	D	D
10/12/2004	XX	206BXX38272	D	D	D					D	D
5/17/2005	XX	GW206B00E	167	6.11	6.2	13.04	402.23	415.27		5.2	1.47
8/15/2005	XX	GW206B026	D	D	D	D			18.68	D	D
10/24/2005	XX	GW206B03I	84.8	6.25	6.8	12.38	402.89	415.27		9.8	1.2
5/11/2006	XX	GW206B08E	134.9	6.65	6.1		400.82			6.6	2.17
7/26/2006	XX	GW206B072	174	6.13	10.5		399.22		18.51	4.6	7.3
10/23/2006	XX	GW206B05A	102	6.32	10.1		401.36			8.3	7.4
5/14/2007	XX	GW206B0A6	173	6.41	7.3		400.85			5	3.4
8/16/2007	XX	GW206B0BJ	D	D	D		D		18.64	D	D
10/29/2007	XX	GW206B0DB	D	D	D		D			D	D
5/27/2008	XX	GW206B0FJ	D	D	D		D			D	D
8/13/2008	XX	GW206B0HJ	182	6.01	10.6		401.13			4	2.5
10/20/2008	XX	GW206B0J7	D	D	D		D			D	D
5/5/2009	XX	GW206B117	185	6.06	5.7	14.36	400.91	415.27		3	1.4
8/6/2009	XX	GW206B137	127	5.46	11.4	11.84	403.43	415.27		5.9	1.5
10/21/2009	XX	GW206B14F	199	6.33	9.3	16.65	398.62	415.27		4	2
5/27/2010	XX	GW206B16G	D	D	D		398.45			D	D
8/3/2010	XX	GW206B18H	D	D	D					D	D
10/13/2010	XX	GW206B1A5	104	6.4	10.2		398.98			7.97	3.81
5/17/2011	XX	GW206B1E4	61	6.2	5.8	9.75	405.52	415.27	18.54	6	1.3
8/9/2011	XX	GW206B1FF	D	D	D	17.95	397.32	415.27	18.52	D	D
11/4/2011	XX	GW206B1H6	182	6.2	8.7	15.21	400.06	415.27	18.71	2	0.5
5/16/2012	XX	GW206B1J0	98	6.2	9.7	12.29	402.98	415.27	18.48	5	0.3
8/15/2012	XX	GW206B20D	I	I	I	17.72	397.55	415.27		I	I
10/30/2012	XX	GW206B227	143	6.2	12.5	14.85	400.42	415.27	18.72	5	0
5/20/2013	XX	GW206B241	178	6.9	7.4	16.2	399.07	415.27		5	1.1
7/24/2013	XX	GW206B25F	196	6.2	14.1	16.31	398.96	415.27		5	0.5
10/2/2013	XX	GW206B279	165	6.6	14.4	16.24	399.03	415.27	18.74	5	0.3
6/3/2014	XX	GW206B293	189	7.2	10.9	15.15	400.12	415.27		4	0.8
8/20/2014	XX	GW206B2AH	D	D	D	D	D	415.27		D	D

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

(206B) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
11/11/2014	XX	GW206B2CB	91	6.4	9.2	13.36	401.91	415.27	18.66	2	0.3
6/2/2015	XX	GW206B2E7	120	7.1	5.4	13.7	401.57	415.27		7.9	0.05 U
9/2/2015	XX	GW206B2G2	I	I	I	I		415.27		I	I
11/3/2015	XX	GW206B2HG	90	6.4	9.1	13.6	401.67	415.27	18.71	8	0.3
6/15/2016	XX	GW206B316	166	7	8.4	16.8	398.47	415.27		5	12.2
9/21/2016	XX	GW206B330	D	D	D	D	D	D		D	D
11/9/2016	XX	GW206B34E	D	D	D	D	D	D	18.7	D	D
6/13/2017	XX	GW206B369	176	7.1	9.9	15.15	400.12	415.27		7.1	1.9
8/30/2017	XX	GW206B383	I	I	I	I	I	415.27		I	I
11/15/2017	XX	GW206B39H	260	7.3	8.6	15.95	399.32	415.27	18.7	6.8	0.8
6/19/2018	XX	GW206B3BC	260	7.2	7.8	16.6	398.67	415.27		3.5	6.5
8/14/2018	XX	GW206B3E1	I	I	I	I	I	415.27		I	I
11/27/2018	XX	GW206B3F0	106	7.7	7.5	14.45	400.82	415.27	18.7	8.1	0.8
6/4/2019	XX	GW206B3GF	146	7.2	7.3	12.74	402.53	415.27		10.6	0.8
8/13/2019	XX	GW206B3J4	191	6.8	11.8	17.1	398.17	415.27		10.7	2.5
10/23/2019	XX	GW206B403	D	D	D	D		415.27		D	D
301											
5/3/2000	XX	301XX36649	348	7.07	3.9		347.49				
8/9/2000	XX	301XX36747	338	6.55	8		346.65		17.46	0.38	1.5
11/8/2000	XX	301XX36838	362	6.9	8		347.04			3.02	0.4
5/16/2001	XX	301XX37027	434	6.59	5.6		347.31			0.6	0.2
7/31/2001	XX	301XX37103	416	6.53	11.6		345.5		17.42	0.7	0.4
10/23/2001	XX	301XX37187	494	6.72	9.7		346.53			0.8	0.2
5/21/2002	XX	301XX37397	505	6.68	6.6		347.51			0.9	0.1
8/2/2002	XX	301XX37470	526	6.34	11.5		346.48		17.42	0.2	0.3
10/23/2002	XX	301XX37552	554	6.6	9.7		346.96			0.5	0.3
6/24/2003	XX	301XX37796	603	6.52	7.5		347.03			0.3	0.2
8/12/2003	XX	301XX37845	596	6.34	11.6		347.12		17.48	0.3	0.87
10/16/2003	XX	301XX37910	641	6.47	10		347.68			0.5	0.1
5/5/2004	XX	301XX38112	663	6.56	4.5		347.79			0.8	0.33
8/9/2004	XX	301XX38208	634	6.28	10.3		346.67		17.44	1.1	0.52
10/20/2004	XX	301XX38280	666	6.53	9.3		346.93			0.7	0.39
5/11/2005	XX	GW301X00F	672	6.47	5.7	3.54	347.8	351.34		0.5	0.3
7/27/2005	XX	GW301X027	701	6.48	10.5	4.9	346.44	351.34	17.44	2	0.5
11/7/2005	XX	GW301X03J	755	6.47	9.4	3.46	347.88	351.34		0.5	0.4
5/1/2006	XX	GW301X08F	792	6.65	4.5		346.99			0.6	0.41
7/31/2006	XX	GW301X073	841	6.43	12		347.03		17.26	0.3	0.7
10/26/2006	XX	GW301X05B	881	6.57	9.1		347.74			0.1	0.4
5/9/2007	XX	GW301X0A7	868	6.59	5.3		347.5			0.2	0.5
8/9/2007	XX	GW301X0C0	990	6.53	10.4		346.31		17.46	0.2	0.6
10/30/2007	XX	GW301X0DC	1185	6.56	9.1		347.29			0.6	0.6
6/3/2008	XX	GW301X0G0	1226	6.49	6.2		347.4			0.1	0.1
8/14/2008	XX	GW301X0I0	1245	6.32	10.6		347.79			0.1	0.7
10/21/2008	XX	GW301X0J8	1249	6.37	9.1		347.79			0.1	0.5
5/11/2009	XX	GW301X118	1256	6.32	5.7	3.7	347.64	351.34		0.4	0.5
8/10/2009	XX	GW301X138	1272	5.98	10.8	4.05	347.29	351.34		0.1	0.7
10/22/2009	XX	GW301X14G	1354	6.38	8.5	4.36	346.98	351.34		0.1	0.4
6/1/2010	XX	GW301X16H	1319	6.47	7.4		346.53			0.1	0.6
8/5/2010	XX	GW301X18I	1369	6.29	12.2		345.33			0.18	0.43

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

(301) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
10/18/2010	XX	GW301X1A6	1433	6.22	9.6		347.28			0.1	0.14
5/18/2011	XX	GW301X1D9	1265	6.3	6.3	3.55	347.79	351.34	17.35	0.8	0
8/9/2011	XX	GW301X1F0	1534	6.21	13.5	5.11	346.23	351.34	17.3	2	0.3
11/2/2011	XX	GW301X1GB	1353	6.4	9.1	3.88	347.46	351.34	17.48	2	0.2
5/15/2012	XX	GW301X1I5	1321	6.4	8.5	3.61	347.73	351.34	17.27	1	0
8/14/2012	XX	GW301X1JI	980	5.9	14.5	5.52	345.82	351.34		1	0.9
10/30/2012	XX	GW301X21C	1470	6.6	11.5	3.83	347.51	351.34	17.5	1	0
5/22/2013	XX	GW301X236	1594	6.4	6.3	3.95	347.39	351.34		1	0.6
7/25/2013	XX	GW301X250	1600	6	11.8	4.66	346.68	351.34		2	0.6
10/1/2013	XX	GW301X26E	1464	6.6	11.6	4.51	346.83	351.34	17.48	1	0.4
6/4/2014	XX	GW301X288	1590	6.6	7.8	4.4	346.94	351.34		1	0.3
8/20/2014	XX	GW301X2A2	1693	6.8	12.4	4.95	346.39	351.34		1	0.2
11/11/2014	XX	GW301X2BG	1715	6.8	6.2	3.75	347.59	351.34	17.45	1	0.2
6/3/2015	XX	GW301X2DC	1883	6.3	6.4	3.75	347.59	351.34		1	0.05 U
9/1/2015	XX	GW301X2F7	1750	6.4	12.1	4.52	346.82	351.34		1	0.05 U
11/4/2015	XX	GW301X2H1	1739	6.4	8	3.76	347.58	351.34	17.46	0.7	0.2
6/15/2016	XX	GW301X30B	1785	6.3	9.5	4.26	347.08	351.34		0.4	0.6
9/20/2016	XX	GW301X325	1990	6.3	12.6	5.41	345.93	351.34		1.6	0.2
11/10/2016	XX	GW301X33J	1992	6.6	8	4.57	346.77	351.34	17.48	0.3	0.1
6/14/2017	XX	GW301X35E	1820	6.4	7.7	4.5	346.84	351.34		3	0.7
8/29/2017	XX	GW301X378	1891	6.5	9.8	5.89	345.45	351.34		0.2	0.3
11/14/2017	XX	GW301X392	1882	6.4	8.8	4.1	347.24	351.34	17.48	1.7	0.3
6/19/2018	XX	GW301X3AH	2041	6.5	8.5	4.8	346.54	351.34		0.2	0.7
8/14/2018	XX	GW301X3D6	2114	6.4	12.5	4.79	346.55	351.34		2.9	0.2
11/28/2018	XX	GW301X3E5	2156	6.7	7.5	3.76	347.58	351.34	17.48	0.6	0.3
6/5/2019	XX	GW301X3G0	1896	6.6	6.8	4.19	347.15	351.34		1.1	0.2
8/13/2019	XX	GW301X3I9	1867	6.6	11	4.85	346.49	351.34		2.5	0.5
10/23/2019	XX	GW301X3J8	1803	6.8	9.3	4.28	347.06	351.34		0.3	0.2
302B											
5/3/2000	XX	302BXX36649	345	6.15	5		348.95				
8/9/2000	XX	302BXX36747	121	6.14	6		346.58		28.04	0.37	0.4
11/8/2000	XX	302BXX36838	405	6.04	8		347.59			0.6	0.1
5/16/2001	XX	302BXX37027	625	6.08	6.1		347.76			0.5	0.1
7/31/2001	XX	302BXX37103	436	5.97	10.6		345.39		28.12	0.9	0.2
10/23/2001	XX	302BXX37187	470	5.8	9.6		347.08			1.4	0.3
5/21/2002	XX	302BXX37397	623	6.13	6.9		348.71			1.5	0.1
8/7/2002	XX	302BXX37475	602	6.08	10.2		346.34		28.12	0.5	0.2
10/23/2002	XX	302BXX37552	655	6.18	8.7		347.82			0.5	0.8
6/23/2003	XX	302BXX37795	912	6.04	8.5		347.68			0.4	0.3
8/12/2003	XX	302BXX37845	862	6.25	10.8		348.1		28.16	0.5	0.44
10/20/2003	XX	302BXX37914	970	6.26	8.8		348.74			0.6	0.29
5/4/2004	XX	302BXX38111	1055	6.21	5.7		348.91			1.3	0.25
8/5/2004	XX	302BXX38204	838	6.13	11.2		347.35		28.1	1.2	0.15
10/20/2004	XX	302BXX38280	898	6.13	8.9		347.33			1	0.19
5/11/2005	XX	GW302B00G	943	6.07	8.1	4.98	349.18	354.16		0.7	0.2
7/27/2005	XX	GW302B028	906	6.24	10	7.69	346.47	354.16	28.09	1.1	0.3
11/7/2005	XX	GW302B040	1010	6.14	10.1	5.2	348.96	354.16		1.2	0.4
5/1/2006	XX	GW302B08G	1067	6.23	5.6		348.42			0.6	0.38
7/31/2006	XX	GW302B074	1119	6.13	10.2		347.79		27.91	1.2	0.5

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

(302B) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
10/25/2006	XX	GW302B05C	1000	6.31	9.1		349.01			0.1	0.3
5/9/2007	XX	GW302B0A8	994	6.23	6.1		348.73			0.3	0.3
8/9/2007	XX	GW302B0C1	936	6.28	8.9		346.47		28.12	0.5	0.4
10/30/2007	XX	GW302B0DD	1029	6.37	8.2		348.18			1	0.5
6/2/2008	XX	GW302B0G1	1087	6.13	6.7		347.77			0.1	0.3
8/14/2008	XX	GW302B0I1	1150	6.03	10.5		349.51			0.1	0.4
10/21/2008	XX	GW302B0J9	1084	6.16	8.5		349.51			0.3	0.4
5/11/2009	XX	GW302B119	1149	6.02	6.7	5.04	349.12	354.16		0.8	0.3
8/10/2009	XX	GW302B139	1111	5.77	10.8	5.82	348.34	354.16		0.3	0.4
10/22/2009	XX	GW302B14H	1097	6.01	8.4	6.5	347.66	354.16		0.1	0.5
6/1/2010	XX	GW302B16I	1134	6.45	7.4		346.41			0.61	0.19
8/4/2010	XX	GW302B18J	1113	6.4	11.1		345.45			0.45	0.37
10/14/2010	XX	GW302B1A7	1164	6.28	9.3		348.08			0.16	0.34
5/18/2011	XX	GW302B1DA	1019	6.3	9.8	4.62	349.54	354.16	28.01	1	0
8/8/2011	XX	GW302B1F1	1096	6.2	14.8	7.77	346.39	354.16	27.95	1	0
11/1/2011	XX	GW302B1GC	1262	8.9	8.9	5.66	348.5	354.16	28.12	1	0.2
5/15/2012	XX	GW302B1I6	1341	6.3	11.1	4.86	349.3	354.16	27.9	0.6	0.2
8/16/2012	XX	GW302B1JJ	1219	6.3	14.2	8.54	345.62	354.16		2	0.3
10/30/2012	XX	GW302B21D	1282	6.4	13.2	5.55	348.61	354.16	28.14	0.8	0
5/21/2013	XX	GW302B237	1445	6.4	8.8	6.2	347.96	354.16		2	0.5
7/25/2013	XX	GW302B251	1483	6.2	11	7.09	347.07	354.16		2	0.3
10/1/2013	XX	GW302B26F	1464	6.7	13.4	6.9	347.26	354.16	28.15	0.8	0.3
6/3/2014	XX	GW302B289	1384	6.4	10.2	6.72	347.44	354.16		2	0.4
8/20/2014	XX	GW302B2A3	1347	6.9	13	7.51	346.65	354.16		1	0.6
11/11/2014	XX	GW302B2BH	1314	6.6	6.1	5.4	348.76	354.16	28.05	1	0.2
6/3/2015	XX	GW302B2DD	1582	6.5	6.4	5.32	348.84	354.16		0.6	0.3
9/1/2015	XX	GW302B2F8	1416	6.5	11.2	6.89	347.27	354.16		1.2	0.3
11/4/2015	XX	GW302B2H2	1381	6.5	8.4	5.42	348.74	354.16	28.12	1	0.5
6/15/2016	XX	GW302B30C	1563	6.3	9	6.59	347.57	354.16		0.6	0.8
9/21/2016	XX	GW302B326	1479	6.5	12.1	8.2	345.96	354.16		0.7	0.6
11/8/2016	XX	GW302B340	1349	6.6	5.8	6.91	347.25	354.16	28.1	1.2	0.2
6/13/2017	XX	GW302B35F	1419	6.5	13.2	6.69	347.47	354.16		4	1.8
8/29/2017	XX	GW302B379	1503	6.5	9.8	8.8	345.36	354.16		0.6	0.4
11/14/2017	XX	GW302B393	1419	6.7	7.6	6.13	348.03	354.16	28.14	1.4	0.5
6/19/2018	XX	GW302B3AI	1680	6.7	10.4	7.73	346.43	354.16		1.4	0.8
8/14/2018	XX	GW302B3D7	1657	6.5	9.6	7.03	347.13	354.16		1.2	0.6
11/28/2018	XX	GW302B3E6	1709	6.9	7.5	5.7	348.46	354.16	28.14	1.4	0.5
6/5/2019	XX	GW302B3G1	1591	6.6	8.5	6.04	348.12	354.16		12.5	0.4
8/13/2019	XX	GW302B3IA	1653	6.6	14.3	7.46	346.7	354.16		6	0.8
10/23/2019	XX	GW302B3J9	1560	6.7	8.6	6.72	347.44	354.16		0.5	0.5
302C											
5/3/2000	XX	302CXX36649	292	5.91	4.5		347.84				
8/9/2000	XX	302CXX36747	362	5.9	8		345.52		14.21	0.39	0.7
11/8/2000	XX	302CXX36838	402	6.07	8		346.58			0.46	0.2
5/16/2001	XX	302CXX37027	507	5.85	5.8		346.81			0.5	0.2
7/31/2001	XX	302CXX37103	453	5.93	10.6		344.12		14.23	0.8	0.3
10/23/2001	XX	302CXX37187	504	5.93	10.1		345.88			0.9	0.2
5/21/2002	XX	302CXX37397	453	5.92	6.7		347.54			2.3	0.1
8/7/2002	XX	302CXX37475	754	5.92	10.6		345.13		14.23	0.4	1.2

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

(302C)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
10/23/2002	XX	302CXX37552	796	6.16	9.4		346.75			1.3	0.3
6/23/2003	XX	302CXX37795	796	5.9	8.4		346.66			0.4	0.9
8/12/2003	XX	302CXX37845	1000	5.99	12.2		346.92		14.19	0.6	0.23
10/20/2003	XX	302CXX37914	801	5.88	10.9		347.51			0.8	0.29
5/4/2004	XX	302CXX38111	898	6.03	5.2		348.13			1.1	0.28
8/5/2004	XX	302CXX38204	868	6.05	11.2		346.16		14.23	1	0.24
10/20/2004	XX	302CXX38280	823	6.02	10.3		346.11			0.9	0.19
5/11/2005	XX	GW302C00H	812	5.95	6.8	5.16	348.05	353.21		0.6	0.3
7/27/2005	XX	GW302C029	967	6.08	10.9	7.94	345.27	353.21	14.25	2.7	0.5
11/7/2005	XX	GW302C041	954	5.96	10.3	5.39	347.82	353.21		0.7	0.3
5/1/2006	XX	GW302C08H	1023	6.07	5.3		347.27			0.9	0.3
7/31/2006	XX	GW302C075	1108	6.15	11.6		346.61		14.04	1.6	0.2
10/25/2006	XX	GW302C05D	918	6.15	10.2		347.83			0.1	0.4
5/9/2007	XX	GW302C0A9	935	6.17	5.8		347.59			0.1	0.4
8/9/2007	XX	GW302C0C2	974	6.25	10.2		345.26		14.22	0.4	0.5
10/30/2007	XX	GW302C0DE	938	6.33	10		347.02			0.9	0.5
6/2/2008	XX	GW302C0G2	1150	6.34	6.5		346.57			0.1	0.2
8/14/2008	XX	GW302C0I2	1088	6.05	11.2		348.39			0.1	0.5
10/21/2008	XX	GW302C0JA	1022	6.2	9.8		348.39			0.5	0.4
5/11/2009	XX	GW302C11A	1093	6.13	6	5.21	348	353.21		0.9	0.3
8/10/2009	XX	GW302C13A	1124	5.71	11.8	6.04	347.17	353.21		0.4	0.3
10/22/2009	XX	GW302C14I	967	6.41	9.3	6.72	346.49	353.21		0.1	0.4
6/1/2010	XX	GWXXXX17F	1137	6.66	7.7		345.23			0.1	0.36
8/4/2010	XX	GW302C190	1011	6.36	11.8		344.27			0.47	0.61
10/14/2010	XX	GW302C1A8	1137	6.3	10.5		346.93			0.1	0.35
5/18/2011	XX	GW302C1DB	609	6.2	8.8	4.78	348.43	353.21	14.1	1	0
8/8/2011	XX	GW302C1F2	1200	6.16	12.2	8.03	345.18	353.21	14.03	1	0
11/1/2011	XX	GW302C1GD	1233	6.3	10.1	5.7	347.51	353.21	14.25	1	0.2
5/15/2012	XX	GW302C1I7	1040	6.3	9.6	5.05	348.16	353.21	14	1	0
8/16/2012	XX	GW302C200	1304	6	13	8.68	344.53	353.21		1	0.4
10/30/2012	XX	GW302C21E	1271	6.6	12.1	5.82	347.39	353.21	14.22	1	0
5/21/2013	XX	GW302C238	1486	6.4	7.3	6.37	346.84	353.21		1	0.3
7/25/2013	XX	GW302C252	1504	6.3	11.9	7.19	346.02	353.21		1	0.3
10/1/2013	XX	GW302C26G	1294	6.6	11.3	6.6	346.61	353.21	14.24	0.8	0.2
6/3/2014	XX	GW302C28A	1401	6.1	8.7	6.74	346.47	353.21		0.3	0.3
8/20/2014	XX	GW302C2A4	1134	6.8	12.4	7.6	345.61	353.21		1	0.4
11/11/2014	XX	GW302C2BI	1327	6.5	7.9	5.4	347.81	353.21	14.18	0.8	0.2
6/3/2015	XX	GW302C2DE	1563	6.4	6.3	5.33	347.88	353.21		0.4	0.2
9/1/2015	XX	GW302C2F9	1200	6.4	12.9	6.91	346.3	353.21		0.5	0.3
11/4/2015	XX	GW302C2H3	1349	6.5	8.8	5.45	347.76	353.21	14.22	1	0.5
6/15/2016	XX	GW302C30D	1565	6.3	8.8	6.7	346.51	353.21		0.2	0.3
9/21/2016	XX	GW302C327	1253	6.4	13.2	8.2	345.01	353.21		0.6	0.4
11/8/2016	XX	GW302C341	1323	6.4	8.3	6.93	346.28	353.21	14.18	0.2	0.1
6/13/2017	XX	GW302C35G	1520	6.4	10.4	6.94	346.27	353.21		0.6	1.2
8/29/2017	XX	GW302C37A	1311	6.4	11.3	8.91	344.3	353.21		0.4	0.1
11/14/2017	XX	GW302C394	1440	6.4	9	6.15	347.06	353.21	14.22	1.2	0.3
6/19/2018	XX	GW302C3AJ	1689	6.5	8.6	7.75	345.46	353.21		0.1	0.3
8/14/2018	XX	GW302C3D8	1491	6.5	13.8	7.1	346.11	353.21		2.5	0.2
11/28/2018	XX	GW302C3E7	1793	7.4	7.1	5.7	347.51	353.21	14.22	0.4	0.3
6/5/2019	XX	GW302C3G2	1483	6.5	7.4	6.31	346.9	353.21		6.6	0.5

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

(302C) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
8/13/2019	XX	GW302C3IB	1518	6.5	13.8	7.43	345.78	353.21		4.5	0.3						
10/23/2019	XX	GW302C3JA	1305	6.7	9.7	6.86	346.35	353.21		0.4	0.2						
303A																	
4/27/2000	XX	303AXX36643	1482	6.81	5.5		379.15										
8/2/2000	XX	303AXX36740	1354	6.65	8		375.57		43.58	0.51	2						
10/25/2000	XX	303AXX36824	2070	6.62	9		374			0.5	0.8						
5/9/2001	XX	303AXX37020	2650	6.57	9.4		377.37			0.5	0.3						
7/25/2001	XX	303AXX37097	1808	6.56	12		373.91		43.63	0.6	0.82						
10/17/2001	XX	303AXX37181	2460	6.55	12.1		372.54			0.8	0.46						
5/16/2002	XX	303AXX37392	1837	6.79	7.6		377.36			1.4	1.58						
8/1/2002	XX	303AXX37469	1560	6.48	11.2		374.75		43.57	0.5	0.65						
10/17/2002	XX	303AXX37546	1998	6.56	10.1		373.48			1.9	0.2						
6/23/2003	XX	303AXX37795	1473	6.69	8.2		376.6			0.3	0.5						
8/19/2003	XX	303AXX37852	1611	6.57	9.2		375.49		43.61	0.4	0.63						
10/14/2003	XX	303AXX37908	2040	6.58	8.8		376.34			0.5	0.67						
5/3/2004	XX	303AXX38110	1737	6.59	7.7		377.08			1.2	0.42						
8/17/2004	XX	303AXX38216	1929	6.39	9.7		375.24		43.56	0.6	1.21						
10/19/2004	XX	303AXX38279	2260	6.56	8.4		374.61			0.9	0.31						
5/18/2005	XX	GW303A00I	1610	6.65	7.3	11.68	377.97	389.65		0.9	0.5						
8/15/2005	XX	GW303A02A	1093	6.64	6.6	14.77	374.88	389.65	43.57	0.5	0.3						
11/3/2005	XX	GW303A042	1842	6.47	9	11.86	377.79	389.65		1.2	0.5						
5/11/2006	XX	GW303A08I	1086	6.42	7.8		377.17			0.8	0.51						
7/26/2006	XX	GW303A076	1065	6.48	10.5		376.84		43.45	1.2	0.6						
10/24/2006	XX	GW303A05E	1410	6.42	9		376.96			0.1	0.6						
5/15/2007	XX	GW303A0AA	1382	6.51	7.3		377.08			0.6	0.6						
8/15/2007	XX	GW303A0C3	1111	6.54	9.2		374.67		43.62	0.22	0.5						
10/29/2007	XX	GW303A0DF	1704	6.57	8.5		375.54			4.9	0.7						
6/2/2008	XX	GW303A0G3	1195	6.68	7.4		376.6			0.1	0.3						
8/13/2008	XX	GW303A0I3	993	6.57	10.4		377.44			0.1	0.6						
10/20/2008	XX	GW303A0JB	1034	6.42	7.5		377.44			0.5	0.8						
5/5/2009	XX	GW303A11B	1296	6.5	7.4	12.24	377.41	389.65		0.47	0.2						
8/6/2009	XX	GW303A13B	994	6.14	10.6	11.4	378.25	389.65		0.13	0.7						
10/21/2009	XX	GW303A14J	926	6.64	9.1	14.41	375.24	389.65		0.1	0.9						
5/27/2010	XX	GW303A170	919	6.67	8.5		375.48			0.59	0.27						
8/4/2010	XX	GW303A191	1037	6.29	10.6		374.33			0.55	0.64						
10/14/2010	XX	GW303A1A9	1536	6.46	8		374.62			0.28	0.54						
5/17/2011	XX	GW303A1E5	850	6.4	7.4	10.85	378.8	389.65	43.55	0.6	1.1						
8/9/2011	XX	GW303A1FG	724	6.38	13.1	15.22	374.43	389.65	36.11	1	0.2						
11/3/2011	XX	GW303A1H7	1024	6.3	9.8	12.88	376.77	389.65	43.6	1	1.4						
5/17/2012	XX	GW303A1J1	911	6.4	8.7	11.58	378.07	389.65	43.45	0.4	0						
8/15/2012	XX	GW303A20E	856	6.1	15.8	15.08	374.57	389.65		1	0.3						
11/1/2012	XX	GW303A228	1120	6.6	9.4	11.05	378.6	389.65	43.62	0.6	0.4						
5/21/2013	XX	GW303A242	875	6.6	8.4	13.48	376.17	389.65		1	0.4						
7/24/2013	XX	GW303A25G	800	6.3	16	13.89	375.76	389.65		1	0.4						
10/2/2013	XX	GW303A27A	818	6.9	10.8	14.28	375.37	389.65	43.85	0.6	1						
6/3/2014	XX	GW303A294	846	6	9.6	13.01	376.64	389.65		1	0.3						
8/20/2014	XX	GW303A2AI	811	7	12.8	15.24	374.41	389.65		1	0.3						
11/12/2014	XX	GW303A2CC	1007	6.5	7.8	12.49	377.16	389.65	43.55	1	0.2						
6/3/2015	XX	GW303A2E8	834	6.5	6.7	12.02	377.63	389.65		0.7	0.2						

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

(303A) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
9/1/2015	XX	GW303A2G3	651	6.3	10.1	14.89	374.76	389.65		0.3	0.05 U
11/3/2015	XX	GW303A2HH	877	6.6	8.1	12.26	377.39	389.65	43.64	0.2	0.3
6/15/2016	XX	GW303A317	559	6.4	9	14.08	375.57	389.65		0.2	1.1
9/20/2016	XX	GW303A331	726	6.3	10.7	16.81	372.84	389.65		0.4	0.3
11/8/2016	XX	GW303A34F	936	6.5	8.5	17.58	372.07	389.65	43.55	0.3	0.2
6/13/2017	XX	GW303A36A	656	6.5	9.8	12.68	376.97	389.65		0.1	0.7
8/30/2017	XX	GW303A384	1143	6.9	8.5	15.55	374.1	389.65		0.2	0.2
11/15/2017	XX	GW303A39I	1028	6.7	7.4	13.25	376.4	389.65	43.55	0.9	0.3
6/20/2018	XX	GW303A3BD	1276	6.8	8.4	13.93	375.72	389.65		0.1	0.3
8/15/2018	XX	GW303A3E2	1285	6.7	10.1	14.9	374.75	389.65		0.2	0.2
11/27/2018	XX	GW303A3F1	1291	6.7	7.8	12.46	377.19	389.65	43.54	0.1	0.2
6/4/2019	XX	GW303A3GG	830	6.7	7.7	11.76	377.89	389.65		0.1	0.3
8/14/2019	XX	GW303A3J5	556	6.6	9.7	14.73	374.92	389.65		3.9	0.2
10/22/2019	XX	GW303A404	771	6.7	7.7	15.9	373.75	389.65		3.5	0.2
303B											
4/27/2000	XX	303BXX36643	808	6.59	5		381				
8/2/2000	XX	303BXX36740	1355	6.47	9		376.68		26.5	0.31	0.2
10/25/2000	XX	303BXX36824	2470	6.61	9		374.7			0.5	0.5
5/9/2001	XX	303BXX37020	1878	6.59	6.8		379.1			0.5	0.9
7/25/2001	XX	303BXX37097	1905	6.46	11		374.77		26.47	0.6	0.23
10/17/2001	XX	303BXX37181	2630	6.62	12.5		373.2			1.2	0.18
5/16/2002	XX	303BXX37392	1226	6.72	6.5		378.69			0.8	0.29
8/2/2002	XX	303BXX37470	1131	6.42	11.2		376.07		26.5	0.9	0.38
10/17/2002	XX	303BXX37546	2200	6.64	10.4		374.21			1.1	0.3
6/23/2003	XX	303BXX37795	1084	6.61	8.1		377.83			0.3	0.6
8/19/2003	XX	303BXX37852	1601	6.46	10.9		376.86		26.5	0.4	0.53
10/14/2003	XX	303BXX37908	2190	6.59	11.5		377.66			1.7	0.41
5/3/2004	XX	303BXX38110	1378	6.61	7		378.66			2	0.52
8/17/2004	XX	303BXX38216	1941	6.53	11.6		376.55		26.51	0.8	0.27
10/19/2004	XX	303BXX38279	2100	6.63	10.6		375.8			0.8	0.24
5/18/2005	XX	GW303B00J	990	6.7	6.6	9.94	379.68	389.62		0.7	0.6
8/15/2005	XX	GW303B02B	902	6.4	7.8	13.46	376.16	389.62	26.45	0.6	0.2
11/3/2005	XX	GW303B043	1604	6.5	10.2	10.11	379.51	389.62		0.6	0.5
5/11/2006	XX	GW303B08J	986	6.4	6.4		378.74			0.7	0.25
7/26/2006	XX	GW303B077	869	6.46	12.4		378.1		26.31	1.5	0.6
10/24/2006	XX	GW303B05F	1489	6.4	10.7		378.31			0.1	0.4
5/15/2007	XX	GW303B0AB	855	6.6	6.1		378.57			0.3	0.4
8/15/2007	XX	GW303B0C4	1116	6.41	9.7		375.75		26.5	0.5	0.3
10/29/2007	XX	GW303B0DG	1832	6.61	9.8		376.76			1.7	0.6
6/3/2008	XX	GW303B0G4	772	6.79	7.1		377.91			0.1	0.4
8/13/2008	XX	GW303B0I4	729	6.44	11.3		378.87			0.3	0.4
10/20/2008	XX	GW303B0JC	990	6.41	9.9		378.87			0.5	0.6
5/5/2009	XX	GW303B11C	844	6.47	6.2	10.73	378.89	389.62		0.5	0.4
8/6/2009	XX	GW303B13C	655	6.11	11.2	9.8	379.82	389.62		0.5	0.3
10/21/2009	XX	GW303B150	859	6.29	10.8	13.23	376.39	389.62		0.2	0.5
5/27/2010	XX	GW303B171	611	6.6	7.4		376.67			0.67	0.19
8/4/2010	XX	GW303B192	1061	6.43	10.8		375.3			0.59	0.27
10/14/2010	XX	GW303B1AA	1350	6.28	9.7		375.73			0.55	0.42
5/17/2011	XX	GW303B1E6	500	6.4	7.3	8.79	380.83	389.62	26.4	0.8	0.7

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

(303B) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
8/9/2011	XX	GW303B1FH	631	6.06	17	13.95	375.67	389.62	26.3	1	0.2						
11/3/2011	XX	GW303B1H8	937	6.4	10.7	11.3	378.32	389.62	26.5	1	0.1						
5/17/2012	XX	GW303B1J2	685	6.4	8.9	9.95	379.67	389.62	26.3	1	0						
8/15/2012	XX	GW303B20F	711	5.9	17.9	13.98	375.64	389.62		1	0.7						
11/1/2012	XX	GW303B229	1205	6.7	10.7	9.35	380.27	389.62	26.5	0.8	0.4						
5/21/2013	XX	GW303B243	570	6.5	7.5	12.08	377.54	389.62		0.8	0.3						
7/24/2013	XX	GW303B25H	536	6.3	15.8	12.59	377.03	389.62		1	0.2						
10/2/2013	XX	GW303B27B	707	6.7	12.7	12.64	376.98	389.62	26.5	0.6	0.4						
6/3/2014	XX	GW303B295	589	6.2	8.4	11.6	378.02	389.62		1	0.3						
8/20/2014	XX	GW303B2AJ	723	6.7	12.6	14.29	375.33	389.62		1	0.3						
11/12/2014	XX	GW303B2CD	1143	6.5	9.1	10.85	378.77	389.62	21.05	1	0.3						
6/3/2015	XX	GW303B2E9	632	6.5	6.2	10.25	379.37	389.62		1	0.1						
9/1/2015	XX	GW303B2G4	559	6.3	11	13.55	376.07	389.62		0.8	0.05 U						
11/3/2015	XX	GW303B2HI	718	6.5	9.3	10.64	378.98	389.62	26.5	0.6	0.2						
6/15/2016	XX	GW303B318	383	6.2	8.7	12.68	376.94	389.62		0.5	0.3						
9/20/2016	XX	GW303B332	851	6.3	12	15.83	373.79	389.62		1.1	0.3						
11/8/2016	XX	GW303B34G	1069	6.3	9.8	16.9	372.72	389.62	26.49	0.3	0.2						
6/13/2017	XX	GW303B36B	413	6.4	8.4	11.11	378.51	389.62		0.2	1.1						
8/30/2017	XX	GW303B385	491	6.4	10.3	14.2	375.42	389.62		0.5	0.1						
11/15/2017	XX	GW303B39J	1023	6.4	8.8	11.69	377.93	389.62	26.49	0.9	0.3						
6/20/2018	XX	GW303B3BE	477	6.6	7.8	12.5	377.12	389.62		0.3	0.3						
8/15/2018	XX	GW303B3E3	586	6.1	10.6	13.4	376.22	389.62		1.7	0.2						
11/27/2018	XX	GW303B3F2	1279	6.8	8.5	10.64	378.98	389.62	26.47	1.3	0.3						
6/4/2019	XX	GW303B3GH	456	6.7	6.7	9.45	380.17	389.62		2.4	0.2						
8/14/2019	XX	GW303B3J6	423	6.4	10.2	13.34	376.28	389.62		4.2	0.3						
10/22/2019	XX	GW303B405	800	6.4	9.1	14.9	374.72	389.62		4.2	0.3						
304A																	
5/3/2000	XX	304AXX36649	380	7.62	5.4		345.36										
8/9/2000	XX	304AXX36747	314	7.86	11		343.2		23.92	0.86	0.6						
11/9/2000	XX	304AXX36839	358	7.91	13		344.4			0.68	0.2						
5/16/2001	XX	304AXX37027	383	7.94	7.4		345.02			0.5	0.1						
7/31/2001	XX	304AXX37103	310	7.71	14.5		341.82		23.92	0.7	0.2						
10/23/2001	XX	304AXX37187	394	7.83	11.9		343.28			0.6	0.1						
5/21/2002	XX	304AXX37397	387	7.48	9.7		345.31			0.8	0.2						
7/30/2002	XX	304AXX37467	378	7.71	13.1		343.36		23.92	1.4	0.4						
10/22/2002	XX	304AXX37551	473	7.5	10.5		345.05			0.8	0.2						
6/24/2003	XX	304AXX37796	409	7.5	11.8		344.65			0.5	0.6						
8/7/2003	XX	304AXX37840	383	7.45	13.8		344.67		23.91	0.5	0.34						
10/21/2003	XX	304AXX37915	454	7.75	9.8		345.39			1	0.59						
5/10/2004	XX	304AXX38117	447	7.6	7.1		345.13			0.8	0.31						
7/28/2004	XX	304AXX38196	420	7.71	10		344.71		23.94	0.9	0.55						
10/21/2004	XX	304AXX38281	456	7.82	10.3		344.27			0.7	0.2						
5/10/2005	XX	GW304A010	450	7.35	6.9	4.46	345.86	350.32		0.6	0.3						
7/28/2005	XX	GW304A02C	374	7.62	10.5	6.82	343.5	350.32	23.66	2.1	0.8						
11/8/2005	XX	GW304A044	440	7.62	10.2	4.67	345.65	350.32		6.1	0.3						
5/3/2006	XX	GW304A090	333	7.4	6		345.95			4.3	1.59						
8/1/2006	XX	GW304A078	428	7.38	13.3		344.75		23.61	3.2	38						
10/26/2006	XX	GW304A05G	374	7.43	10.3		345.47			2.5	4.7						
5/8/2007	XX	GW304A0AC	343	7.04	6.2		345.37			0.7	0.7						

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

(304A) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
8/7/2007	XX	GW304A0C5	338	7.47	11		343.07		23.35	1.3	0.7
10/31/2007	XX	GW304A0DH	402	7.2	9.5		344.9			1.5	0.8
6/3/2008	XX	GW304A0G5	367	7.64	7.4		345.12			0.2	0.3
8/18/2008	XX	GW304A0I5	367	7.29	12		345.05			0.7	0.5
10/23/2008	XX	GW304A0JD	343	7.38	9.2		345.05			1.1	0.4
5/12/2009	XX	GW304A11D	341	7.29	6.6	4.81	345.51	350.32		1.2	0.3
8/11/2009	XX	GW304A13D	340	7.16	12.9	4.74	345.58	350.32		0.6	0.8
10/26/2009	XX	GW304A151	350	6.77	9.4	4.57	345.75	350.32		0.2	0.6
6/2/2010	XX	GW304A172	316	7.05	8.8		343.96			1.1	0.38
8/5/2010	XX	GW304A193	315	7.37	13.5		341.61			0.89	0.65
10/18/2010	XX	GW304A1AB	341	7.36	10.5		345.29			0.81	0.42
5/19/2011	XX	GW304A1DC	296	7.8	10.1	4.46	345.86	350.32	21.2	2	0.2
8/8/2011	XX	GW304A1F3	266	7.66	14.1	7.67	342.65	350.32	21.13	1	0
11/2/2011	XX	GW304A1GE	314	7.5	10.3	5.04	345.28	350.32	21.35	2	0.5
5/15/2012	XX	GW304A1I8	339	8.5	9.4	4.61	345.71	350.32	20.28	3	0.2
8/15/2012	XX	GW304A201	259	6.9	17.3	8.49	341.83	350.32		1	0.7
10/31/2012	XX	GW304A21F	300	7.5	13.6	3.85	346.47	350.32	21.32	1	0
5/21/2013	XX	GW304A239	301	7.8	9.3	5.12	345.2	350.32		2	0.1
7/25/2013	XX	GW304A253	273	6.6	13.6	6.57	343.75	350.32		2	0.3
10/2/2013	XX	GW304A26H	279	8.2	14.2	5.76	344.56	350.32	21.34	1	0.9
6/4/2014	XX	GW304A28B	270	7.8	10.1	4.91	345.41	350.32		1	0.4
8/20/2014	XX	GW304A2A5	260	7.9	14.2	6.98	343.34	350.32		2	1.2
11/12/2014	XX	GW304A2BJ	231	6.7	8.6	4.98	345.34	350.32	21.28	1	0.8
6/3/2015	XX	GW304A2DF	282	7.9	7.2	4.58	345.74	350.32		1.9	1
9/2/2015	XX	GW304A2FA	240	8	12.9	6.3	344.02	350.32		0.6	0.5
11/4/2015	XX	GW304A2H4	272	7.6	10.7	4.89	345.43	350.32	21.32	1.7	1
6/16/2016	XX	GW304A30E	252	7.8	10.2	5.84	344.48	350.32		1.6	1.7
9/21/2016	XX	GW304A328	265	7.9	13.1	9.35	340.97	350.32		1.8	0.5
11/8/2016	XX	GW304A342	246	7.4	9.9	7.43	342.89	350.32	21.34	1.8	0.8
6/14/2017	XX	GW304A35H	247	7.9	10.1	5.82	344.5	350.32		1.6	3
8/29/2017	XX	GW304A37B	248	7.8	10.8	8.98	341.34	350.32		2.6	0.5
11/14/2017	XX	GW304A395	243	7.2	9.3	10.8	339.52	350.32	21.34	2	0.4
6/21/2018	XX	GW304A3B0	263	8.1	8.5	7.03	343.29	350.32		1.6	5.1
8/15/2018	XX	GW304A3D9	285	8.1	15.5	7	343.32	350.32		1.9	0.6
11/30/2018	XX	GW304A3E8	277	8.8	7.8	4.81	345.51	350.32	21.34	8.5	0.8
6/5/2019	XX	GW304A3G3	241	8.2	9.8	5.28	345.04	350.32		4	0.5
8/14/2019	XX	GW304A3IC	233	8.1	11.7	7.71	342.61	350.32		3.6	0.6
10/24/2019	XX	GW304A3JB	275	7.9	10.3	4.6	345.72	350.32		0.3	0.8
304B											
5/3/2000	XX	304BXX36649	58	6.35	4.9		344.82				
8/9/2000	XX	304BXX36747	191	6.78	18		342.59		10.79	4.41	1.1
11/9/2000	XX	304BXX36839	222	6.64	9		343.84			4.72	0.9
5/16/2001	XX	304BXX37027	303	6.57	7.8		344.38			4.2	0.3
7/31/2001	XX	304BXX37103	D	D	D				10.77	D	D
10/23/2001	XX	304BXX37187	341	6.45	12.8		342.67			1.7	1.2
5/21/2002	XX	304BXX37397	208	6.54	9.8		344.74			9.1	0.9
7/30/2002	XX	304BXX37467	331	6.48	14.2		342.7		10.77	4.6	0.8
10/22/2002	XX	304BXX37551	327	6.48	11.7		344.53			3.6	1.2
6/24/2003	XX	304BXX37796	314	6.55	12.3		343.94			5.5	0.7

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

(304B)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
8/7/2003	XX	304BXX37840	259	6.37	15.2		344.03		10.81	4.5	1.01
10/21/2003	XX	304BXX37915	268	6.54	10.7		344.8			4.8	2.09
5/10/2004	XX	304BXX38117	226	6.9	7.6		344.38			7.3	0.79
7/28/2004	XX	304BXX38196	224	6.6	11.1		344.04		10.75	5	0.57
10/21/2004	XX	304BXX38281	219	6.69	11.4		343.57			3.4	0.37
5/10/2005	XX	GW304B011	152	6.89	7.5	4.35	345.2	349.55		8	1.1
7/28/2005	XX	GW304B02D	297	6.54	12.9	6.84	342.71	349.55	10.76	6	0.6
11/8/2005	XX	GW304B045	236	6.65	10.2	4.55	345	349.55		6.3	0.4
5/3/2006	XX	GW304B091	152.6	7.08	5.3		345.37			8.2	0.78
8/1/2006	XX	GW304B079	218	6.49	14.4		343.94		10.65	5.7	0.4
10/26/2006	XX	GW304B05H	212	6.7	11.1		344.76			5.2	0.4
5/8/2007	XX	GW304B0AD	186	6.93	5.8		344.51			7.2	0.5
8/7/2007	XX	GW304B0C6	245	6.65	13.2		342.18		10.76	4.8	0.7
10/31/2007	XX	GW304B0DI	238	6.49	10.9		344.11			5.5	1.2
6/5/2008	XX	GW304B0G6	144	6.42	8.2		344.29			7.2	0.4
8/18/2008	XX	GW304B0I6	111	5.86	13.7		344.14			3.3	0.8
10/23/2008	XX	GW304B0JE	131	6.36	10.4		344.14			2.6	2.2
5/12/2009	XX	GW304B11E	72.3	6.12	6.8	4.91	344.64	349.55		3.5	2
8/11/2009	XX	GW304B13E	184	5.46	14.4	4.81	344.74	349.55		4.3	1
10/26/2009	XX	GW304B152	119	6.85	9.2	4.57	344.98	349.55		3	17.5
6/2/2010	XX	GW304B173	117	7.19	9.9		343			5.27	0.84
8/5/2010	XX	GW304B194	152.7	6.47	15.3		340.73			4.17	8.21
10/18/2010	XX	GW304B1AC	129	5.79	11.2		344.51			2.91	4.29
5/19/2011	XX	GW304B1DD	63	6.4	8.7	4.5	345.05	349.55	10.63	5	2.1
8/8/2011	XX	GW304B1F4	127	6.34	14.6	7.81	341.74	349.55	10.63	5	0
11/2/2011	XX	GW304B1GF	130	6.2	10.3	5.15	344.4	349.55	10.84	2	0.5
5/15/2012	XX	GW304B1I9	71	6	9.4	4.5	345.05	349.55	10.93	4	0.6
8/15/2012	XX	GW304B202	223	5.8	17.2	8.65	340.9	349.55		4	1.9
10/31/2012	XX	GW304B21G	144	6.2	12.5	3.9	345.65	349.55	10.85	5	0
5/21/2013	XX	GW304B23A	127	7.2	8.1	5.27	344.28	349.55		5	0.3
7/25/2013	XX	GW304B254	138	5.8	16.8	6.75	342.8	349.55		5	1
10/2/2013	XX	GW304B26I	127	6.9	14.7	5.92	343.63	349.55	10.85	4	1.2
6/4/2014	XX	GW304B28C	112	7.5	10.8	6.12	343.43	349.55		5	0.6
8/20/2014	XX	GW304B2A6	114	7	14.9	6.96	342.59	349.55		5	0.3
11/12/2014	XX	GW304B2C0	61	6.3	8.3	5.1	344.45	349.55	10.75	4	0.4
6/3/2015	XX	GW304B2DG	44	6.6	9	4.65	344.9	349.55		2.3	0.2
9/2/2015	XX	GW304B2FB	103	6.6	15.6	6.45	343.1	349.55		5	0.05 U
11/4/2015	XX	GW304B2H5	80	6.5	10	4.92	344.63	349.55	10.85	4.6	2.4
6/16/2016	XX	GW304B30F	92	6.6	10.9	6.3	343.25	349.55		5.7	3.7
9/21/2016	XX	GW304B329	106	6.6	17.6	9.46	340.09	349.55		4.8	0.5
11/8/2016	XX	GW304B343	151	7.1	9.8	7.45	342.1	349.55	10.82	2.6	0.2
6/14/2017	XX	GW304B35I	108	6.7	10	6.1	343.45	349.55		8.3	1.2
8/29/2017	XX	GW304B37C	82	6.9	13.5	9.09	340.46	349.55		7	0.2
11/14/2017	XX	GW304B396	110	6.7	9.4	5.59	343.96	349.55	10.82	4	0.3
6/21/2018	XX	GW304B3B1	119	7.1	10.3	7.26	342.29	349.55		6	6.2
8/15/2018	XX	GW304B3DA	134	5.7	15.1	7.15	342.4	349.55		5.3	0.5
11/30/2018	XX	GW304B3E9	55	8	5.5	4.9	344.65	349.55	10.83	1.3	0.3
6/5/2019	XX	GW304B3G4	104	7	10.3	5.53	344.02	349.55		13.5	0.2
8/14/2019	XX	GW304B3ID	124	7.2	14.5	7.88	341.67	349.55		9.5	0.4
10/24/2019	XX	GW304B3JC	98	7.5	10.8	4.45	345.1	349.55		4.4	0.2

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

(401A)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
401A											
5/3/2000	XX	401AXX36649	204	7.72	7		369.36				
8/10/2000	XX	401AXX36748	190	7.7	8		366.27		43.58	1.13	0.5
11/9/2000	XX	401AXX36839	196	7.89	8		366.4			0.67	1.6
5/17/2001	XX	401AXX37028	225	7.91	6.6		367.93			4.2	0.9
8/1/2001	XX	401AXX37104	216	7.73	10.1		365.2		43.58	2.1	0.3
10/24/2001	XX	401AXX37188	226	7.88	10.7		365.33			0.7	0.9
5/22/2002	XX	401AXX37398	216	7.84	8.7		368.22			5.4	1.4
7/30/2002	XX	401AXX37467	235	7.68	11		366.13		43.58	2.7	0.6
10/22/2002	XX	401AXX37551	240	7.84	9.4		366.19			2.2	0.4
6/25/2003	XX	401AXX37797	243	7.82	9.6		367.57			1.7	1.6
8/11/2003	XX	401AXX37844	236	7.83	11.1		367.14		43.57	2.6	0.25
10/21/2003	XX	401AXX37915	246	7.59	8.5		368.16			1.1	2.33
5/10/2004	XX	401AXX38117	249	7.84	8.3		368.16			5.8	0.29
7/29/2004	XX	401AXX38197	226	7.17	10.1		366.55		43.61	5.2	0.47
10/21/2004	XX	401AXX38281	230	7.87	10		366.15			2.9	0.4
5/9/2005	XX	GW401A012	226	7.98	7.3	5.69	369.79	375.48		7.4	0.3
7/28/2005	XX	GW401A02E	226	7.79	10.7	8.88	366.6	375.48	43.65	5.3	1.6
11/8/2005	XX	GW401A046	229	7.58	9.9	7.05	368.43	375.48		1.9	0.3
5/4/2006	XX	GW401A092	227	7.53	7.8		367.93			7.4	0.63
8/2/2006	XX	GW401A07A	234	7.66	11.4		367.33		43.34	5.6	1
10/30/2006	XX	GW401A05I	236	8.1	8.9		368.24			2.3	0.6
5/7/2007	XX	GW401A0AE	235	7.48	7.4		369.12			7.1	0.5
8/14/2007	XX	GW401A0C7	239	8.04	10.2		365.8		43.62	5.3	0.5
11/5/2007	XX	GW401A0DJ	245	7.84	8.7		367.38			3.7	1.1
6/5/2008	XX	GW401A0G7	240	7.6	7.7		367.52			6.2	0.2
8/20/2008	XX	GW401A0I7	246	7.48	10.9		368.11			4.1	0.7
10/27/2008	XX	GW401A0JF	241	7.58	9.3		368.11			2.7	1.1
5/13/2009	XX	GW401A11F	247	7.27	7.6	6.81	368.67	375.48		3	0.3
8/13/2009	XX	GW401A13F	252	7.17	10.6	7.31	368.17	375.48		4	0.9
10/28/2009	XX	GW401A153	259	7.32	8.3	7.9	367.58	375.48		3.3	0.6
6/3/2010	XX	GW401A174	251	7.8	8.3		366.53			5.59	0.34
8/17/2010	XX	GW401A195	259	7.94	11		364.57			4.55	0.54
10/19/2010	XX	GW401A1AD	265	7.48	8.6		366.51			2.52	0.26
5/16/2011	XX	GW401A1DE	337	7	6.6	6.36	369.12	375.48	43.6	6	0.2
8/8/2011	XX	GW401A1F5	241	7.62	12.3	9.52	365.96	375.48	43.5	4	0.2
11/1/2011	XX	GW401A1GG	253	7.4	9.94	7.67	367.81	375.48	43.66	2	0.4
5/14/2012	XX	GW401A1IA	265	8	8.7	6.56	368.92	375.48	43.5	5	0.3
8/14/2012	XX	GW401A203	182	6.4	12	9.66	365.82	375.48		3	1.3
11/1/2012	XX	GW401A21H	295	7.8	10.4	6.85	368.63	375.48	43.65	2	0.5
5/21/2013	XX	GW401A23B	312	8	8.3	8.1	367.38	375.48		5	0.8
7/22/2013	XX	GW401A255	270	7.9	10.9	8.51	366.97	375.48		5	0.9
9/30/2013	XX	GW401A26J	255	8.2	15	8.23	367.25	375.48	43.65	3	1.1
6/4/2014	XX	GW401A28D	266	7.7	11.2	7.65	367.83	375.48		5	0.2
8/19/2014	XX	GW401A2A7	266	7.8	12.6	9.68	365.8	375.48		5	0.5
11/11/2014	XX	GW401A2C1	259	7.3	8.3	7.28	368.2	375.48	43.61	3	0.8
6/2/2015	XX	GW401A2DH	291	8	6.9	6.95	368.53	375.48		5.2	0.2
9/1/2015	XX	GW401A2FC	255	7.9	10.6	8.2	367.28	375.48		4.2	0.8
11/3/2015	XX	GW401A2H6	278	8	8.8	7.35	368.13	375.48		5.4	5

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

(401A) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
6/14/2016	XX	GW401A30G	269	7.8	8.3	8.54	366.94	375.48		6.1	1.1
9/20/2016	XX	GW401A32A	359	7.7	10.4	10.81	364.67	375.48		3.6	0.8
11/9/2016	XX	GW401A344	274	8	8.9	10.4	365.08	375.48	43.65	2.3	0.4
6/14/2017	XX	GW401A35J	258	8	8.9	7.68	367.8	375.48		5.5	3
8/29/2017	XX	GW401A37D	276	7.9	9.2	10.25	365.23	375.48		4.2	0.6
11/14/2017	XX	GW401A397	263	7.7	8.6	7.52	367.96	375.48	43.65	3.7	0.4
6/20/2018	XX	GW401A3B2	292	8.1	9.2	8.65	366.83	375.48		5.1	0.8
8/15/2018	XX	GW401A3DB	298	8.1	10.2	8.85	366.63	375.48		3.8	0.8
11/30/2018	XX	GW401A3EA	292	8	4.5	7.16	368.32	375.48	43.65	3.5	0.5
6/5/2019	XX	GW401A3G5	370	7.8	8.2	6.76	368.72	375.48		10.9	0.5
8/14/2019	XX	GW401A3IE	270	8.1	10	9.1	366.38	375.48		10.5	0.6
10/22/2019	XX	GW401A3JD	272	7.9	10.9	8.99	366.49	375.48		4.6	0.6
401B											
5/3/2000	XX	401BXX36649	343	7.86	4.9		366.33				
8/10/2000	XX	401BXX36748	323	8.03	5		363.28		25.92	0.51	0.2
11/9/2000	XX	401BXX36839	310	8.16	8		363.38			0.98	1.2
5/17/2001	XX	401BXX37028	350	8.2	6.6		364.97			1.2	20.3
8/1/2001	XX	401BXX37104	333	7.94	12		362.17		25.89	0.8	0.2
10/24/2001	XX	401BXX37188	347	8.07	10.8		362.32			0.9	11.9
5/22/2002	XX	401BXX37398	330	7.92	9.1		365.18			0.9	4.4
7/30/2002	XX	401BXX37467	360	8.06	10.4		363.28		25.89	1.5	1.5
10/22/2002	XX	401BXX37551	365	8.11	9.8		363.35			0.5	0.6
6/25/2003	XX	401BXX37797	368	8.06	8.7		364.54			0.4	1
8/11/2003	XX	401BXX37844	361	8.01	12.1		364.48		25.93	0.2	1
10/21/2003	XX	401BXX37915	383	8.26	8.4		365.25			0.4	0.85
5/10/2004	XX	401BXX38117	385	8.03	8.2		365.17			0.9	0.34
7/29/2004	XX	401BXX38197	345	7.98	10.8		363.93		23.95	1.6	0.42
10/21/2004	XX	401BXX38281	360	8.07	10.7		363.22			1.1	0.36
5/9/2005	XX	GW401B013	346	8.04	6.8	6.05	366.88	372.93		0.5	0.4
7/28/2005	XX	GW401B02F	346	7.95	10.3	9.27	363.66	372.93	25.92	1.1	1
11/8/2005	XX	GW401B047	356	7.9	10.7	7.45	365.48	372.93		1.6	1
5/4/2006	XX	GW401B093	345	7.76	7.9		365.28			1.9	0.58
8/2/2006	XX	GW401B07B	354	7.81	13.7		364.44		25.74	0.5	1.4
10/30/2006	XX	GW401B05J	362	7.98	9.7		365.68			0.1	0.6
5/7/2007	XX	GW401B0AF	358	7.75	7.4		366.02			0.1	0.6
8/14/2007	XX	GW401B0C8	361	8.05	11.1		362.73		25.89	0.1	0.6
11/5/2007	XX	GW401B0E0	377	8.16	9.2		365.04			0.7	1.3
6/5/2008	XX	GW401B0G8	359	7.95	8.7		364.56			0.2	0.2
8/20/2008	XX	GW401B0I8	364	7.82	11.5		365.09			0.1	0.4
10/27/2008	XX	GW401B0JG	360	7.81	9.8		365.09			0.1	0.7
5/13/2009	XX	GW401B11G	360	7.62	7.5	7.21	365.72	372.93		0.2	0.4
8/13/2009	XX	GW401B13G	370	7.52	10.7	7.82	365.11	372.93		0.1	0.8
10/28/2009	XX	GW401B154	380	7.83	8.9	8.11	364.82	372.93		0.1	0.6
6/3/2010	XX	GW401B175	364	7.8	8.2		363.52			0.12	0.37
8/17/2010	XX	GW401B196	377	8.07	12.1		361.37			0.35	0.37
10/19/2010	XX	GW401B1AE	386	7.62	10.5		363.64			0.25	0.48
5/16/2011	XX	GW401B1DF	335	7.8	6.3	6.25	366.68	372.93	25.81	0.8	0
8/8/2011	XX	GW401B1F6	350	7.87	14.7	10.02	362.91	372.93	25.75	1	0.4
11/1/2011	XX	GW401B1GH	359	7.5	10.46	7.98	364.95	372.93	25.94	1	0.4

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

(401B) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
5/14/2012	XX	GW401B1IB	375	7.9	8.9	6.9	366.03	372.93	25.76	0.3	0.1
8/14/2012	XX	GW401B204	291	7.3	16.5	10.17	362.76	372.93		1	0.5
11/1/2012	XX	GW401B21I	403	7.6	10.6	8.1	364.83	372.93	25.93	0.4	7.3
5/21/2013	XX	GW401B23C	377	7.9	8.1	8.48	364.45	372.93		0.8	1.5
7/22/2013	XX	GW401B256	381	7.9	11.5	8.95	363.98	372.93		0.8	0.6
9/30/2013	XX	GW401B270	377	7	12.3	8.65	364.28	372.93	26.05	1	0.4
6/4/2014	XX	GW401B28E	375	7.7	11.6	8.15	364.78	372.93		1	0.3
8/19/2014	XX	GW401B2A8	377	7.9	11.9	10	362.93	372.93		0.6	0.5
11/11/2014	XX	GW401B2C2	366	7.2	9.2	7.57	365.36	372.93	25.9	1	0.4
6/2/2015	XX	GW401B2DI	397	7.9	6.6	7.34	365.59	372.93		0.5	0.2
9/1/2015	XX	GW401B2FD	366	7.9	11.8	8.6	364.33	372.93		0.3	0.8
11/3/2015	XX	GW401B2H7	438	8	9.3	7.65	365.28	372.93	25.93	2	6.6
6/14/2016	XX	GW401B30H	386	7.8	8.7	8.95	363.98	372.93		0.3	8.3
9/20/2016	XX	GW401B32B	390	7.8	11.3	11.43	361.5	372.93		0.4	0.6
11/9/2016	XX	GW401B345	395	7.9	9.7	10.85	362.08	372.93	25.92	0.3	0.2
6/14/2017	XX	GW401B360	373	8	8.5	8.18	364.75	372.93		0.8	2.3
8/29/2017	XX	GW401B37E	392	7.9	10.3	10.9	362.03	372.93		0.3	0.2
11/14/2017	XX	GW401B398	380	7.8	8.9	7.9	365.03	372.93	25.92	5.6	0.4
6/20/2018	XX	GW401B3B3	428	8.1	8.6	9.16	363.77	372.93		0.2	0.5
8/15/2018	XX	GW401B3DC	420	7.7	11.2	9.26	363.67	372.93		0.2	0.3
11/30/2018	XX	GW401B3EB	416	7.9	8.3	7.55	365.38	372.93	25.92	1.2	0.3
6/5/2019	XX	GW401B3G6	394	8	10	7.28	365.65	372.93		2.4	0.6
8/14/2019	XX	GW401B3IF	394	8	10.5	9.4	363.53	372.93		4.4	0.6
10/22/2019	XX	GW401B3JE	393	8	10	9.38	363.55	372.93		0.7	0.5
402A											
5/3/2000	XX	402AXX36649	210	8.03	4.7		401.66				
8/10/2000	XX	402AXX36748	198	8.03	9		401.12		62.81	0.55	0.3
11/9/2000	XX	402AXX36839	194	8.14	8		401.22			0.66	0.3
5/17/2001	XX	402AXX37028	224	8.24	7.2		401.25			0.4	0.1
8/1/2001	XX	402AXX37104	215	7.97	16.2		399.76		62.8	1.4	0.5
10/24/2001	XX	402AXX37188	221	8.08	10.9		400.66			0.8	0.5
5/22/2002	XX	402AXX37398	213	7.97	9		401.35			0.7	0.3
7/30/2002	XX	402AXX37467	228	7.95	12.2		400.79		62.8	0.9	0.9
10/22/2002	XX	402AXX37551	233	8.18	9.4		401.02			0.7	0.2
6/25/2003	XX	402AXX37797	242	7.6	10.1		401.1			0.4	0.7
8/11/2003	XX	402AXX37844	232	7.86	13.6		401.52		62.78	0.3	0.35
10/22/2003	XX	402AXX37916	239	8.2	6.8		401.92			0.7	0.57
5/11/2004	XX	402AXX38118	249	7.41	6.6		401.52			1.7	0.51
7/29/2004	XX	402AXX38197	227	7.57	11.8		401.18		62.82	2.2	0.11
10/26/2004	XX	402AXX38286	234	7.74	9.2		401.04			1	0.23
5/9/2005	XX	GW402A014	230	7.6	6	4.05	402.05	406.1		2.1	0.2
8/1/2005	XX	GW402A02G	229	7.64	10.1	5.3	400.8	406.1	62.84	3.4	0.7
11/9/2005	XX	GW402A048	235	7.91	8.3	4.58	401.52	406.1		1.8	0.4
5/4/2006	XX	GW402A094	229	7.77	7.6		401.91			2.8	0.4
8/2/2006	XX	GW402A07C	232	7.61	14.8		401.49		62.63	4.8	0.6
10/30/2006	XX	GW402A060	243	8.06	9		402			0.4	0.8
5/7/2007	XX	GW402A0AG	242	7.79	7.1		401.76			0.6	0.3
8/14/2007	XX	GW402A0C9	237	7.91	10.4		400.76		62.74	4.1	0.6
11/5/2007	XX	GW402A0E1	257	8.02	8.4		401.62			2	0.6

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

(402A) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
6/5/2008	XX	GW402A0G9	247	8.01	8.2		401.45			1.8	0.3						
8/20/2008	XX	GW402A0I9	258	7.7	11.2		401.49			1	0.5						
10/27/2008	XX	GW402A0JH	259	7.84	9.4		401.49			0.6	0.5						
5/13/2009	XX	GW402A11H	264	7.67	7.1	4.35	401.75	406.1		0.5	0.3						
8/13/2009	XX	GW402A13H	262	7.38	12.1	4.66	401.44	406.1		1.2	0.7						
10/28/2009	XX	GW402A155	278	8	8.3	4.5	401.6	406.1		0.5	0.5						
6/3/2010	XX	GW402A176	273	8.07	8.8		401.19			2.04	0.21						
8/17/2010	XX	GW402A197	274	7.76	11.7		399.69			1.49	0.57						
10/19/2010	XX	GW402A1AF	297	7.74	9.4		401.32			1.26	0.18						
5/16/2011	XX	GW402A1DG	281	8	6.7	4.13	401.97	406.1	62.78	1	3.6						
8/8/2011	XX	GW402A1F7	273	7.84	13.4	5.19	400.91	406.1	62.63	1	0						
11/1/2011	XX	GW402A1GI	276	7.7	9.8	4.5	401.6	406.1	62.83	1	0.5						
5/16/2012	XX	GW402A1IC	328	7.8	10.9	4.05	402.05	406.1	62.6	0.6	0						
8/15/2012	XX	GW402A205	367	8	16.4	5.84	400.26	406.1		1	0						
10/31/2012	XX	GW402A21J	315	7.4	12.4	4.15	401.95	406.1	62.83	1	0						
5/20/2013	XX	GW402A23D	303	7.9	8.9	4.6	401.5	406.1		5	0.2						
7/22/2013	XX	GW402A257	318	7.8	15.8	5.41	400.69	406.1		2	0.3						
9/30/2013	XX	GW402A271	309	8.3	12.7	4.65	401.45	406.1	62.8	1	1.1						
6/4/2014	XX	GW402A28F	347	7.9	11.8	4.8	401.3	406.1		1	0.4						
8/19/2014	XX	GW402A2A9	331	7.9	11.8	5.2	400.9	406.1		1	0.5						
11/11/2014	XX	GW402A2C3	313	7.1	7.2	4.37	401.73	406.1	62.75	1	0.3						
6/4/2015	XX	GW402A2DJ	381	7.8	8.1	4.3	401.8	406.1		2.6	0.6						
9/1/2015	XX	GW402A2FE	323	7.8	12	4.79	401.31	406.1		0.3	0.8						
11/3/2015	XX	GW402A2H8	347	7.9	8.9	4.38	401.72	406.1	62.82	3.6	1						
6/14/2016	XX	GW402A30I	353	7.6	8.7	4.75	401.35	406.1		1.5	2.2						
9/20/2016	XX	GW402A32C	368	7.8	12.2	6.08	400.02	406.1		1.2	0.5						
11/9/2016	XX	GW402A346	386	7.8	8.9	5.32	400.78	406.1	62.78	1.1	0.4						
6/14/2017	XX	GW402A361	343	8	8.9	4.8	401.3	406.1		0.3	1.7						
8/29/2017	XX	GW402A37F	379	7.9	10.2	6.3	399.8	406.1		2.5	0.6						
11/15/2017	XX	GW402A399	343	7.7	8	4.72	401.38	406.1	62.76	1.5	0.4						
6/20/2018	XX	GW402A3B4	418	8.1	9.3	4.95	401.15	406.1		0.1	0.6						
8/15/2018	XX	GW402A3DD	407	7.6	12.8	4.92	401.18	406.1		1.6	0.3						
11/28/2018	XX	GW402A3EC	439	8.1	7.6	4.28	401.82	406.1	62.75	0.4	0.6						
6/5/2019	XX	GW402A3G7	410	7.7	9.4	4.33	401.77	406.1		0.4	0.8						
8/13/2019	XX	GW402A3IG	385	7.9	10.9	5.18	400.92	406.1		6.8	0.8						
10/22/2019	XX	GW402A3JF	376	7.8	10.1	4.51	401.59	406.1		3	0.3						
402B																	
5/3/2000	XX	402BXX36649	1422	6.88	4		399.32										
8/10/2000	XX	402BXX36748	2130	6.72	7		398.69		22.81	0.39	0.1						
11/9/2000	XX	402BXX36839	1913	6.86	8		398.82			0.6	0.3						
5/17/2001	XX	402BXX37028	2180	6.9	6.8		398.86			0.5	0.1						
8/1/2001	XX	402BXX37104	2040	6.69	13.2		397.37		22.87	1.2	0.1						
10/24/2001	XX	402BXX37188	2030	6.79	10.8		398.79			6.1	0.1						
5/22/2002	XX	402BXX37398	1858	6.82	9.4		399.08			0.7	0.1						
8/7/2002	XX	402BXX37475	2030	6.72	11.1		398.05		22.87	0.4	0.2						
10/24/2002	XX	402BXX37553	1996	6.92	9.6		398.87			1.1	0.2						
6/25/2003	XX	402BXX37797	1968	6.83	8.9		398.53			0.3	0.2						
8/11/2003	XX	402BXX37844	1905	6.83	11.6		399.21		22.77	0.4	0.14						
10/22/2003	XX	402BXX37916	1858	6.89	7.6		399.74			0.6	0.3						

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

(402B)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
5/11/2004	XX	402BXX38118	1828	6.91	5.9		399.06			1.7	0.19
8/2/2004	XX	402BXX38201	1631	6.73	10.4		398.63		22.78	1.5	0.2
10/26/2004	XX	402BXX38286	1670	6.83	10		398.62			1	0.19
5/9/2005	XX	GW402B015	1175	6.96	5.6	6.63	399.81	406.44		0.3	0.1
8/1/2005	XX	GW402B02H	1520	6.72	9.4	8.18	398.26	406.44	22.81	0.4	0.3
11/9/2005	XX	GW402B049	1514	6.89	9.4	7.32	399.12	406.44		0.5	0.3
5/5/2006	XX	GW402B095	1349	6.98	6.3		399.67			0.3	0.44
8/2/2006	XX	GW402B07D	1465	6.94	12.2		398.97		22.58	1.1	0.7
10/30/2006	XX	GW402B061	1368	6.96	10.1		399.75			0.1	0.5
5/7/2007	XX	GW402B0AH	1344	6.98	6.1		399.33			0.1	1
8/14/2007	XX	GW402B0CA	1384	7.02	10.2		398.27		22.78	0.2	0.4
11/5/2007	XX	GW402B0E2	1183	7.03	9.6		399.72			1.2	0.5
6/11/2008	XX	GW402B0GA	1330	6.93	7		399.09			0.2	0.2
8/20/2008	XX	GW402B0IA	1341	6.91	10.8		398.76			0.3	0.7
10/27/2008	XX	GW402B0JI	1293	6.91	10.4		398.76			0.4	0.6
5/13/2009	XX	GW402B11I	1280	6.98	6.2	7.05	399.39	406.44		0.4	0.4
8/13/2009	XX	GW402B13I	1282	6.77	10.6	4.47	401.97	406.44		0.2	0.6
10/28/2009	XX	GW402B156	1290	7.02	9.4	7.05	399.39	406.44		0.1	0.2
6/3/2010	XX	GW402B177	1233	7.13	7.4		398.78			0.1	0.81
8/17/2010	XX	GW402B198	1259	6.89	11.2		397.37			0.1	0.42
10/19/2010	XX	GW402B1AG	1293	6.82	10.2		399.13			0.19	0.22
5/16/2011	XX	GW402B1DH	1000	6.9	6	6.4	400.04	406.44	22.58	1	1
8/8/2011	XX	GW402B1F8	1138	6.6	13.7	7.93	398.51	406.44	22.6	1	0
11/1/2011	XX	GW402B1GJ	1166	6.8	10.4	7.22	399.22	406.44	22.78	1	0.2
5/16/2012	XX	GW402B1ID	1001	6.9	9.4	6.72	399.72	406.44	22.59	0.6	0.4
8/15/2012	XX	GW402B206	1168	6.9	13.3	8.33	398.11	406.44		1	0
10/31/2012	XX	GW402B220	1118	7	12.2	6.39	400.05	406.44	22.8	0.4	0
5/20/2013	XX	GW402B23E	1151	6.9	7.3	7.35	399.09	406.44		0.8	0.5
7/22/2013	XX	GW402B258	1183	6.5	14.2	8.44	398	406.44		1	0.2
9/30/2013	XX	GW402B272	1140	7	12.4	7.6	398.84	406.44	22.8	0.6	0.3
6/4/2014	XX	GW402B28G	1146	6.9	11.2	7.78	398.66	406.44		1	0.1
8/19/2014	XX	GW402B2AA	1117	7.3	13.4	7.85	398.59	406.44		0.6	0.4
11/11/2014	XX	GW402B2C4	1084	6.7	8.6	7.02	399.42	406.44	22.73	1	0.4
6/4/2015	XX	GW402B2E0	1183	6.9	7.1	7.01	399.43	406.44		0.3	0.2
9/1/2015	XX	GW402B2FF	1092	6.9	11.7	7.6	398.84	406.44		0.3	0.05 U
11/3/2015	XX	GW402B2H9	1110	7	9.6	7.83	398.61	406.44	22.8	0.8	1
6/14/2016	XX	GW402B30J	1117	6.7	7.8	7.49	398.95	406.44		0.2	0.5
9/20/2016	XX	GW402B32D	1120	6.8	11.5	8.78	397.66	406.44		0.2	0.3
11/9/2016	XX	GW402B347	1118	7	9.5	7.74	398.7	406.44	22.8	0.2	0.3
6/14/2017	XX	GW402B362	1033	6.9	7.5	7.78	398.66	406.44		0.2	2.8
8/29/2017	XX	GW402B37G	1070	6.9	9.8	9.25	397.19	406.44		0.1	0.2
11/15/2017	XX	GW402B39A	1066	6.9	9.1	7.41	399.03	406.44	22.8	0.3	0.3
6/20/2018	XX	GW402B3B5	1160	7.1	7.9	7.92	398.52	406.44		0.2	0.6
8/15/2018	XX	GW402B3DE	1165	6.8	10.4	7.9	398.54	406.44		0.1	0.6
11/28/2018	XX	GW402B3ED	997	7.3	8.4	7.22	399.22	406.44	22.8	0.4	0.6
6/5/2019	XX	GW402B3G8	1007	7	7.5	7.33	399.11	406.44		0.4	0.5
8/13/2019	XX	GW402B3IH	1016	7.1	10.8	7.68	398.76	406.44		1.6	0.8
10/22/2019	XX	GW402B3JG	1000	7	10	7.53	398.91	406.44		1.9	0.6

LDS

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

(LDS) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
6/10/2008	XX	LDSXX39597	911	7.44	14.2						
8/19/2008	XX	LDSXX39687	981	6.87	16.2						
10/22/2008	XX	LDSXX39736	1058	6.83	9.8						
5/7/2009	XX	LDSXX39940	1558	7.38	9.1						5.9
8/12/2009	XX	LDSXX40037	1454	6.83	16.3						
10/27/2009	XX	LDSXX40113	1498	6.57	7.9						
6/7/2010	XX	GWXXXX1B8	1684	7.39	17.5						
8/18/2010	XX	GWXXXX1B9	1773	7.62	18.4						
10/21/2010	XX	GWXXXX1BA	1580	6.81	10.8						
5/18/2011	XX	LTXXXX1EF	887	7	13.9					0.8	1.8
8/10/2011	XX	LTXXXX1G6	1046	6.96	17.2					1	1.4
11/2/2011	XX	LTXXXX1HH	1018	6.8	10.4					1	0.9
5/14/2012	XX	LTXXXX1JB	1528	7	13.4					0.6	0.7
8/14/2012	XX	LTXXXX214	1125	6.9	19.2					2	0
10/30/2012	XX	LTXXXX22I	1356	6.9	13.4					2	1.8
5/21/2013	XX	LTXXXX24C	1371	7.1	16.9					6	3.5
7/25/2013	XX	LTXXXX266	1383	6.9	21.4					3	5
10/1/2013	XX	LTXXXX280	1346	7.1	20.8					1	0.8
6/5/2014	XX	LTXXXX29E	1664	7.2	13.7					1	3.1
8/21/2014	XX	LTXXXX2B8	915	7.8	18.6					2	1.8
11/13/2014	XX	LTXXXX2D2	975	6.9	7					1	1.8
6/4/2015	XX	LTXXXX2EI	1018	7	13.6					1.8	2.2
9/3/2015	XX	LTXXXX2GD	918	7.1	23					1.1	2.2
11/5/2015	XX	LTXXXX2I7	914	7	9.4					2.1	2.8
6/16/2016	XX	LTXXXX31H	1014	6.8	19.8					1.3	1
9/22/2016	XX	LTXXXX33B	1053	7.5	18					0.5	2.6
11/10/2016	XX	LTXXXX355	995	7.1	8.8					1.4	0.8
6/15/2017	XX	LTXXXX370	1304	7	17.7					0.7	1.1
8/31/2017	XX	LTXXXX38E	1140	7.1	18.5					1.5	1.3
11/16/2017	XX	LTXXXX3A8	1078	6.9	7.1					2	2.7
6/21/2018	XX	LTXXXX3C3	1352	7	19.3					0.3	2.1
8/16/2018	XX	LTXXXX3CI	1282	6.7	21.4					0.5	1.8
11/29/2018	XX	LTXXXX3FB	1689	6.9	7.1					2.9	0.6
6/6/2019	XX	LTXXXX3H6	1497	7.1	20.3					3.4	0.6
8/15/2019	XX	LTXXXX3I1	1408	7.1	23.9					2.5	1.6
10/24/2019	XX	LTXXXX40E	1162	7.2	11.8					0.5	0.8
LP											
5/3/2000	XX	LPXX36649	2068	6.88	7.7						
8/9/2000	XX	LPXX36747	2940	7.47	18						
11/8/2000	XX	LPXX36838	3330	7.75	10.1						
5/16/2001	XX	LPXX37027	3610	7.63	12						
7/31/2001	XX	LPXX37103	4760	7.11	20.2						
10/23/2001	XX	LPXX37187	4560	7.35	11.3						
5/21/2002	XX	LPXX37397	2590	7.1	12.2						
8/6/2002	XX	LPXX37474	3760	7.44	20.6						
10/24/2002	XX	LPXX37553	3250	7.57	8.3						
6/26/2003	XX	LPXX37798	2320	7.43	24.9						
8/13/2003	XX	LPXX37846	2190	7.36	23.4						
10/22/2003	XX	LPXX37916	1751	7.52	7.4						

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

(LP)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
5/6/2004	XX	LPXX38113	1805	6.76	10.8						
7/27/2004	XX	LPXX38195	2250	7.49	16.9						
10/25/2004	XX	LPXX38285	2680	7.67	10.1						
5/12/2005	XX	LTLPXX002	1791	7.34	11.5						
7/25/2005	XX	LTLPXX01E	2500	7.59	20.6						
11/9/2005	XX	LTLPXX036	2500	7.59	20.6						
5/2/2006	XX	LTLPXX082	1941	6.83	9.6						
8/3/2006	XX	LTLPXX06A	1638	7.25	22.4						
10/18/2006	XX	LTLPXX04I	2050	7.53	10.6						
5/21/2007	XX	LTLPXX09E	1718	6.8	9						
8/8/2007	XX	LTLPXX0B7	A	A	A					A	A
11/6/2007	XX	LTLPXX0CJ	1772	7.06	7.1						
5/27/2008	XX	LTLPXX0F7	1806	7.58	20.4						
8/19/2008	XX	LTLPXX0H7	1755	7.38	20						
10/22/2008	XX	LTLPXX0IF	2070	7.59	6.3						
5/7/2009	XX	LTLPXX10F	2070	7.09	10.4						
8/12/2009	XX	LTLPXX12F	2320	6.88	18						
10/27/2009	XX	LTLPXX143	1570	6.46	7.9						
6/7/2010	XX	LTLPXX164	2090	7.12	16.4						D3
8/18/2010	XX	LTLPXX185	3120	7.84	20.8						D3
10/21/2010	XX	LTLPXX19D	2290	6.98	9.9						D3
5/18/2011	XX	LTXXXX1ED	1055	6.8	10.7					8	74.3
8/10/2011	XX	LTXXXX1G4	2200	8.46	18.8					10	55.6
11/2/2011	XX	LTXXXX1HF	1904	7	9.6					5	45.4
5/14/2012	XX	LTXXXX1J9	1182	6.9	18.2					5	62.4
8/15/2012	XX	LTXXXX212	1828	8.3	24.4					8	63.6
10/30/2012	XX	LTXXXX22G	1405	7.4	13.4					6	4.2
5/21/2013	XX	LTXXXX24A	1560	7.7	16					6	20
7/25/2013	XX	LTXXXX264	1379	7.8	23					6	26.5
10/1/2013	XX	LTXXXX27I	1600	7.4	24.9					6	6.5
6/5/2014	XX	LTXXXX29C	1648	7.7	15.7					4	5.8
8/21/2014	XX	LTXXXX2B6	2730	7.7	18.2					6	8.2
11/13/2014	XX	LTXXXX2D0	1210	7	6.6					4	8.4
6/4/2015	XX	LTXXXX2EG	1202	7.1	15.1					6.8	13.8
9/3/2015	XX	LTXXXX2GB	1600	8	26.8					8.4	18.6
11/5/2015	XX	LTXXXX2I5	1172	7.2	9.2					5.8	12.8
6/16/2016	XX	LTXXXX31F	1806	7.7	20.5					6.6	23.1
9/22/2016	XX	LTXXXX339	2171	8.2	20.6					10.7	5.8
11/10/2016	XX	LTXXXX353	2346	7.6	6.3					7.4	6.8
6/15/2017	XX	LTXXXX36I	1650	7.8	20.6					6.9	12.2
8/31/2017	XX	LTXXXX38C	2829	7.7	18.1					6.9	8.4
11/16/2017	XX	LTXXXX3A6	1170	7.7	4.1					8.5	6.7
6/21/2018	XX	LTXXXX3C1	2070	7.9	23.2					9.6	14.5
8/16/2018	XX	LTXXXX3CG	1677	7.9	25.5					13.9	4.6
11/29/2018	XX	LTXXXX3F9	630	7.7	1.7					2.4	0.8
6/6/2019	XX	LTXXXX3H4	1182	7.4	23.4					12.4	12.6
8/15/2019	XX	LTXXXX3HJ	1875	7.9	25.2					6.6	6.7
10/24/2019	XX	LTXXXX40C	1549	7.7	11					5.4	2.6

LPD2

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

(LPD2)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
5/19/2005	XX	LTLPD2003	246	7.31	10.8					9.6	5.4
8/2/2005	XX	LTLPD201F	642	6.67	16.6					10.3	18.5
10/26/2005	XX	LTLPD2037	292	7.64	8.4					4.3	11.8
5/10/2006	XX	LTLPD2083	204	6.87	12.8					7	3.68
7/24/2006	XX	LTLPD206B	199	6.99	21.6					7.5	9
10/10/2006	XX	LTLPD204J	582	8.29	10					12.3	25.8
5/21/2007	XX	LTLPD209F	200	7.23	9.7					8.4	2.2
8/6/2007	XX	LTLPD20B8	597	7.19	20.6					6.46	39
10/24/2007	XX	LTLPD20D0	200	7.37	11.7					9.6	4.8
5/28/2008	XX	LTLPD20F8	280	6.96	13.7					7.9	5.4
8/11/2008	XX	LTLPD20H8	236	7.08	18.4					3	2.5
10/15/2008	XX	LTLPD20IG	243	7.11	9.7					3.8	5.1
5/6/2009	XX	LTLPD210G	202	6.72	11.7					6.8	3.4
8/4/2009	XX	LTLPD212G	177	6.6	19.6					5.45	2.4
10/19/2009	XX	LTLPD2144	198	6.67	4.6					6.1	4.7
5/25/2010	XX	LTLPD2165	344	6.97	19.4					4.25	6.53
8/2/2010	XX	LTLPD2186	479	6.91	16.8						54
10/12/2010	XX	LTLPD219E	232	7.13	9.1					6.61	5.61
5/18/2011	XX	LTXXXX1EE	94	7.8	9.9					6	1.2
8/10/2011	XX	LTXXXX1G5	588	7.49	19					1	25.8
11/2/2011	XX	LTXXXX1HG	413	6.3	8.8					3	55.3
5/14/2012	XX	LTXXXX1JA	143	6.8	12.9					5	1.4
8/14/2012	XX	LTXXXX213	503	7.3	21.1					3	22.3
10/30/2012	XX	LTXXXX22H	729	6.7	14.6					6	0
5/21/2013	XX	LTXXXX24B	112	6.7	15.1					5	3.1
7/25/2013	XX	LTXXXX265	220	7.6	19.1					5	5.3
10/1/2013	XX	LTXXXX27J	265	6.9	20.4					3	2.1
6/5/2014	XX	LTXXXX29D	181	6.9	16.5					1	2.8
8/21/2014	XX	LTXXXX2B7	461	7.9	16.9					5	5.7
11/13/2014	XX	LTXXXX2D1	314	7	2.8					1	4.6
6/4/2015	XX	LTXXXX2EH	133	7.6	11.9					5.7	2.6
9/3/2015	XX	LTXXXX2GC	249	8.2	20.5					4.9	1.9
11/5/2015	XX	LTXXXX2I6	334	6.6	8.6					6.4	4.8
6/16/2016	XX	LTXXXX31G	517	6.5	16.7					5.9	17.6
9/22/2016	XX	LTXXXX33A	D	D	D					D	D
11/10/2016	XX	LTXXXX354	D	D	D					D	D
6/15/2017	XX	LTXXXX36J	162	7.4	16.9					4.9	7.9
8/31/2017	XX	LTXXXX38D	523	8	14.9					2	8.2
11/16/2017	XX	LTXXXX3A7	285	6.8	3.7					3.4	5.6
6/21/2018	XX	LTXXXX3C2	352	7	18.4					4.6	8.1
8/16/2018	XX	LTXXXX3CH	300	7.5	20.5					2.9	1.3
11/29/2018	XX	LTXXXX3FA	299	7.5	1.8					2.8	1.2
6/6/2019	XX	LTXXXX3H5	123	7.8	19.3					8.5	0.8
8/15/2019	XX	LTXXXX3I0	451	7.5	18.1					0.5	2.6
10/24/2019	XX	LTXXXX40D	231	7.6	11.5					2.3	2.1
ND											
5/3/2000	XX	NDXX36649	D	D	D						
8/9/2000	XX	NDXX36747	D	D	D						
11/8/2000	XX	NDXX36838	D	D	D						

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

(ND)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
5/16/2001	XX	NDXX37027	D	D	D					D	D						
7/31/2001	XX	NDXX37103	D	D	D					D	D						
10/23/2001	XX	NDXX37187	D	D	D					D	D						
5/21/2002	XX	NDXX37397	D	D	D					D	D						
7/30/2002	XX	NDXX37467	D	D	D					D	D						
10/22/2002	XX	NDXX37551	D	D	D					D	D						
6/23/2003	XX	NDXX37795	D	D	D					D	D						
8/13/2003	XX	NDXX37846	D	D	D					D	D						
10/20/2003	XX	NDXX37914	D	D	D					D	D						
5/6/2004	XX	NDXX38113	D	D	D					D	D						
7/27/2004	XX	NDXX38195	D	D	D					D	D						
10/25/2004	XX	NDXX38285	D	D	D					D	D						
5/12/2005	XX	SWNDXX016	D	D	D					D	D						
7/25/2005	XX	SWNDXX02I	D	D	D					D	D						
11/10/2005	XX	SWNDXX04A	162	8.58	2.8					14.5	16.5						
5/2/2006	XX	SWNDXX096	138.5	6.86	11.5					12.7	158						
8/3/2006	XX	SWNDXX07E	D	D	D					D	D						
10/18/2006	XX	SWNDXX062	D	D	D					D	D						
5/21/2007	XX	SWNDXX0AI	D	D	D		D			D	D						
8/8/2007	XX	SWNDXX0CB	D	D	D					D	D						
11/6/2007	XX	SWNDXX0E3	D	D	D					D	D						
6/11/2008	XX	SWNDXX0GB	264	7.57	19.9					7.6	9.4						
8/19/2008	XX	SWNDXX0IB	D	D	D		D			D	D						
10/22/2008	XX	SWNDXX0JJ	D	D	D					D	D						
5/18/2009	XX	SWNDXX11J	D	D	D					D	D						
8/17/2009	XX	SWNDXX13J	D	D	D					D	D						
10/29/2009	XX	SWNDXX157	D	D	D					D	D						
6/7/2010	XX	SWNDXX178	259	8.27	21.4					7.01	1.76						
8/18/2010	XX	SWNDXX199	D	D	D					D	D						
10/21/2010	XX	SWNDXX1AH	D	D	D					D	D						
5/18/2011	XX	SWXXXX1E9	186	7.5	9.4					6	0.4						
8/10/2011	XX	SWXXXX1G0	D	D	D					D	D						
11/2/2011	XX	SWXXXX1HB	D	D	D					D	D						
5/14/2012	XX	SWXXXX1J5	D	D	D					D	D						
8/14/2012	XX	SWXXXX20I	F6	F6	F6					F6	F6						
10/29/2012	XX	SWXXXX22C	D	D	D					D	D						
5/21/2013	XX	SWXXXX246	D	D	D					D	D						
7/24/2013	XX	SWXXXX260	D	D	D					D	D						
10/1/2013	XX	SWXXXX27E	D	D	D					D	D						
6/5/2014	XX	SWXXXX298	D	D	D					D	D						
8/21/2014	XX	SWXXXX2B2	D	D	D					D	D						
11/13/2014	XX	SWXXXX2CG	D	D	D					D	D						
6/4/2015	XX	SWXXXX2EC	D	D	D					D	D						
9/3/2015	XX	SWXXXX2G7	D	D	D					D	D						
11/5/2015	XX	SWXXXX2I1	I	I	I					I	I						
6/16/2016	XX	SWXXXX31B	D	D	D					D	D						
9/22/2016	XX	SWXXXX335	D	D	D					D	D						
11/10/2016	XX	SWXXXX34J	D	D	D					D	D						
6/15/2017	XX	SWXXXX36E	D	D	D					D	D						
8/31/2017	XX	SWXXXX388	D	D	D					D	D						

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

(ND) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
11/16/2017	XX	SWXXXX3A2	D	D	D					D	D						
6/21/2018	XX	SWXXXX3BH	D	D	D					D	D						
8/16/2018	XX	SWXXXX3CC	D	D	D					D	D						
11/29/2018	XX	SWXXXX3F5	D	D	D					D	D						
6/6/2019	XX	SWXXXX3H0	D	D	D					D	D						
8/15/2019	XX	SWXXXX3HF	D	D	D					D	D						
10/24/2019	XX	SWXXXX408	I	I	I					I	I						
PBFR																	
5/14/2012	XX	SWXXXX1J4	108	6.8	11.4					6	0.1						
8/14/2012	XX	SWXXXX20H	99	7.1	20.1					5	11.6						
10/29/2012	XX	SWXXXX22B	133	6.9	12.4					5	5.9						
5/21/2013	XX	SWXXXX245	50	7.3	13.8					6	1						
7/24/2013	XX	SWXXXX25J	57	6.3	22.8					5	1.8						
10/1/2013	XX	SWXXXX27D	70	6.4	13.7					5	1.2						
6/5/2014	XX	SWXXXX297	45	7.2	19.7					5	0.9						
8/21/2014	XX	SWXXXX2B1	49	7.5	19.8					6	2.1						
11/13/2014	XX	SWXXXX2CF	78	7.1	4.3					5	1.2						
6/4/2015	XX	SWXXXX2EB	112	7.5	12.3					6.9	1.5						
9/3/2015	XX	SWXXXX2G6	74	7.9	21.5					4	1.7						
11/5/2015	XX	SWXXXX2I0	55	7.6	6.3					9.2	1.1						
6/16/2016	XX	SWXXXX31A	54	7.9	17.2					5.6	2.3						
9/22/2016	XX	SWXXXX334	70	8.2	17.1					4.7	1.7						
11/10/2016	XX	SWXXXX34I	109	8.6	4.4					9.3	1.1						
6/15/2017	XX	SWXXXX36D	65	8.2	18					5.4	1.4						
8/31/2017	XX	SWXXXX387	84	8.4	17.8					5.6	2.7						
11/16/2017	XX	SWXXXX3A1	89	7.6	1.2					9.7	5.4						
6/21/2018	XX	SWXXXX3BG	60	8.2	20.8					5	1.3						
8/16/2018	XX	SWXXXX3CB	67	7.1	23.1					3.7	1.1						
11/29/2018	XX	SWXXXX3F4	332	7.6	1.9					9.1	1.1						
6/6/2019	XX	SWXXXX3GJ	156	7.3	21.5					5.8	0.6						
8/15/2019	XX	SWXXXX3HE	61	8	21.7					8.1	0.8						
10/24/2019	XD	SWDP3X40G	378	3.8	11.6					7.1	0.8						
PBFB																	
5/3/2000	XX	PBFBXX36649	50	6.61	12.2												
8/9/2000	XX	PBFBXX36747	56	6.35	21												
11/8/2000	XX	PBFBXX36838	44	7.29	9.7												
5/16/2001	XX	PBFBXX37027	37	6.75	10.5					8.4	1.7						
7/31/2001	XX	PBFBXX37103	47	7.38	28.7					7.3	2.8						
10/24/2001	XX	PBFBXX37188	147	6.96	12					5.5	2.5						
5/21/2002	XX	PBFBXX37397	322	7.13	14					9.1	0.5						
8/6/2002	XX	PBFBXX37474	63.5	7.03	21.3					2.9	2.7						
10/24/2002	XX	PBFBXX37553	70	6.42	4.8					3.7	0.7						
6/26/2003	XX	PBFBXX37798	48	6.81	23.2					7.43	1.8						
8/13/2003	XX	PBFBXX37846	48.7	7.03	25.3					4.8	2.04						
10/23/2003	XX	PBFBXX37917	40.3	6.92	4.6					3.9	1.86						
5/6/2004	XX	PBFBXX38113	53.2	7.23	12.2					4.4	1.94						
7/27/2004	XX	PBFBXX38195	49.6	7.48	15.8					6	3.33						
10/25/2004	XX	PBFBXX38285	48.3	8.84	7.1					5.6	4.48						

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

(PBFB)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
5/12/2005	XX	SWPBFB018	53	8.36	14.3					5.3	2						
7/25/2005	XX	SWPBFB030	60	8.51	18.8					4.2	3.4						
11/10/2005	XX	SWPBFB04C	38	9.02	5.7					4.2	1.8						
5/2/2006	XX	SWPBFB098	36.9	7.53	9.4					8.4	2.8						
8/3/2006	XX	SWPBFB07G	52	8.63	22.4					2.6	2.4						
10/18/2006	XX	SWPBFB064	40	8.61	8.7					8.2	3						
5/21/2007	XX	SWPBFB0B0	29	8.05	9.8					7.6	1.4						
8/8/2007	XX	SWPBFB0CD	55.2	6.62	20.2					5	2.6						
11/6/2007	XX	SWPBFB0E5	30.8	8.04	5.4					6.3	1.2						
6/11/2008	XX	SWPBFB0GD	27	7.1	14.2					5.9	7.6						
8/19/2008	XX	SWPBFB0ID	50	6.52	21					4.4	1.7						
10/22/2008	XX	SWPBFB101	48	6.96	4.5					7.8	1.8						
5/7/2009	XX	SWPBFB121	51.5	6.78	10.3					5.4	2.9						
8/12/2009	XX	SWPBFB141	54.2	6.8	15.7					2.3	3.6						
10/27/2009	XX	SWPBFB159	35.5	6.39	4.1					6.3	1.6						
6/7/2010	XX	SWPBFB17A	36	7.21	13.1					4.38	3.73						
8/18/2010	XX	SWPBFB19B	60.5	7.63	17.8						2.1						
10/21/2010	XX	SWPBFB1AJ	35.9	7.29	6.3					6.8	0.75						
5/18/2011	XX	SWXXXX1E7	33	7.8	12.9					8	1.2						
8/10/2011	XX	SWXXXX1FI	48	7.32	20.6					5	2.43						
11/2/2011	XX	SWXXXX1H9	45	7.2	6					8	19.8						
5/14/2012	XX	SWXXXX1J3	49	6.8	18.9					10	1.1						
8/14/2012	XX	SWXXXX20G	58	6.9	24.5					5	7						
10/29/2012	XX	SWXXXX22A	51	6.6	12.9					6	4						
5/21/2013	XX	SWXXXX244	48	7.1	15.3					6	1.5						
7/24/2013	XX	SWXXXX25I	63	5.8	24.8					6	2.2						
10/1/2013	XX	SWXXXX27C	110	7.1	22.4					5	1.1						
6/5/2014	XX	SWXXXX296	60	7	16.7					5	0.8						
8/21/2014	XX	SWXXXX2B0	50	7.8	18.8					4	2.6						
11/13/2014	XX	SWXXXX2CE	46	7.5	3.3					5	0.6						
6/4/2015	XX	SWXXXX2EA	46	8	13.7					7.1	2.1						
9/3/2015	XX	SWXXXX2G5	44	7.8	23.3					5.1	2.7						
11/5/2015	XX	SWXXXX2HJ	39	7.7	7					9.1	1.3						
6/16/2016	XX	SWXXXX319	69	8.2	17.3					5.9	2.7						
9/22/2016	XX	SWXXXX333	48	8	19.1					5.2	1.2						
11/10/2016	XX	SWXXXX34H	50	8.6	5.2					8.8	0.4						
6/15/2017	XX	SWXXXX36C	45	8	19.2					6.2	1.1						
8/31/2017	XX	SWXXXX386	58	8.1	19.3					6	1.2						
11/16/2017	XX	SWXXXX3A0	68	7.8	2.4					10.9	0.8						
6/21/2018	XX	SWXXXX3BF	49	7.6	22					4.9	1.3						
8/16/2018	XX	SWXXXX3CA	61	7.7	23.9					4.3	1.8						
11/29/2018	XX	SWXXXX3F3	71	8.1	1.2					11.4	0.8						
6/6/2019	XX	SWXXXX3GI	43	7.9	23.4					7.5	0.6						
8/15/2019	XX	SWXXXX3HD	48	7.9	22.8					9.1	1.1						
10/24/2019	XX	SWXXXX406	M7	7.7	11					7.6	1.3						
SPO																	
5/3/2000	XX	SPOXX36649	D	D	D												
8/9/2000	XX	SPOXX36747	D	D	D												
11/8/2000	XX	SPOXX36838	D	D	D												

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

(SPO)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
5/16/2001	XX	SPOXX37027	D	D	D					D	D						
7/31/2001	XX	SPOXX37103	D	D	D					D	D						
10/23/2001	XX	SPOXX37187	D	D	D					D	D						
5/21/2002	XX	SPOXX37397	D	D	D					D	D						
7/30/2002	XX	SPOXX37467	D	D	D					D	D						
10/22/2002	XX	SPOXX37551	D	D	D					D	D						
6/23/2003	XX	SPOXX37795	D	D	D					D	D						
8/13/2003	XX	SPOXX37846	D	D	D					D	D						
10/20/2003	XX	SPOXX37914	D	D	D					D	D						
5/6/2004	XX	SPOXX38113	174.3	6.69	8.2					7.1	4.49						
7/27/2004	XX	SPOXX38195	D	D	D					D	D						
10/25/2004	XX	SPOXX38285	D	D	D					D	D						
5/12/2005	XX	SWSPOX01A	D	D	D					D	D						
7/25/2005	XX	SWSPOX032	D	D	D					D	D						
11/10/2005	XX	SWSPOX04E	196	8.71	3.6					5	1.1						
5/2/2006	XX	SWSPOX09A	195.3	6.55	8.1					8.7	4.21						
8/3/2006	XX	SWSPOX07I	174	7.34	21.1					2.3	8.7						
10/18/2006	XX	SWSPOX066	121	8.36	8.5					5.6	5.9						
5/21/2007	XX	SWSPOX0B2	146	7.07	10.6					10	2.9						
8/9/2007	XX	SWSPOX0CF	D	D	D					D	D						
11/6/2007	XX	SWSPOX0E7	87	8.15	2.7					9.6	4.4						
6/11/2008	XX	SWSPOX0GF	72	5.83	17.9					4.3	12						
8/19/2008	XX	SWSPOX0GJ	D	D	D		D			D	D						
10/22/2008	XX	SWSPOX103	D	D	D					D	D						
5/7/2009	XX	SWSPOX123	159.2	7.1	11.9					6	4.9						
8/17/2009	XX	SWSPOX127	D	D	D					D	D						
10/27/2009	XX	SWSPOX15B	92.5	7.27	4.6					6.9	2.2						
6/7/2010	XX	SWSPOX17C	106	7.38	16.9					4.65	2.25						
8/18/2010	XX	SWSPOX17H	D	D	D					D	D						
10/21/2010	XX	SWSPOX1B1	D	D	D					D	D						
5/18/2011	XX	SWXXXX1EA	96	8	13.3					8	1.4						
8/10/2011	XX	SWXXXX1G1	D	D	D					D	D						
11/2/2011	XX	SWXXXX1HC	F6	F6	F6					F6	F6						
5/14/2012	XX	SWXXXX1J6	115	6.7	15.1					5	0.6						
8/14/2012	XX	SWXXXX20J	F6	F6	F6					F6	F6						
10/29/2012	XX	SWXXXX22D	114	6.8	12.7					3	2.7						
5/21/2013	XX	SWXXXX247	153	6.7	14.2					6	1.8						
7/24/2013	XX	SWXXXX261	99	6.1	22.7					6	2.8						
10/1/2013	XX	SWXXXX27F	I	I	I					I	I						
6/5/2014	XX	SWXXXX299	D	D	D					D	D						
8/21/2014	XX	SWXXXX2B3	I	I	I					I	I						
11/13/2014	XX	SWXXXX2CH	97	7.8	3.6					3	1.2						
6/4/2015	XX	SWXXXX2ED	101	7.5	13.2					4	2.2						
9/3/2015	XX	SWXXXX2G8	D	D	D					D	D						
11/5/2015	XX	SWXXXX2I2	94	7.4	5.4					8.3	1.2						
6/16/2016	XX	SWXXXX31C	D	D	D					D	D						
9/22/2016	XX	SWXXXX336	D	D	D					D	D						
11/10/2016	XX	SWXXXX350	I	I	I					I	I						
6/15/2017	XX	SWXXXX36F	I	I	I					I	I						
8/31/2017	XX	SWXXXX389	D	D	D					D	D						

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

(SPO) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
11/16/2017	XX	SWXXXX3A3	D	D	D					D	D						
6/21/2018	XX	SWXXXX3BI	D	D	D					D	D						
8/16/2018	XX	SWXXXX3CD	D	D	D					D	D						
11/29/2018	XX	SWXXXX3F6	D	D	D					D	D						
6/6/2019	XX	SWXXXX3H1	134	7.5	21.2					8.5	0.8						
8/15/2019	XX	SWXXXX3HG	D	D	D					D	D						
10/24/2019	XX	SWXXXX409	105	7.8	11.8					7.8	0.9						
SPON																	
5/12/2005	XX	SWSPON01B	581	7.96	9.7					6.5	9.4						
7/25/2005	XX	SWSPON033	D	D	D					D	D						
11/10/2005	XX	SWSPON04F	674	8.03	2.1					8.7	4.6						
5/2/2006	XX	SWSPON09B	525	7.14	4					7.9	21.6						
8/3/2006	XX	SWSPON07J	1483	7.17	19.4					2	9.1						
10/18/2006	XX	SWSPON067	696	7.62	7.3					5.2	4.8						
5/21/2007	XX	SWSPON0B3	546	6.94	7.1					5.2	2.1						
8/9/2007	XX	SWSPON0CG	D	D	D					D	D						
11/6/2007	XX	SWSPON0E8	395	7.7	3.1					8.2	16.8						
6/11/2008	XX	SWSPON0GG	315	7.32	19					7.1	29.6						
8/19/2008	XX	SWSPON0H0	563	6.93	18.2					4.2	10.5						
10/22/2008	XX	SWSPON104	755	6.72	5.1					5.7	6.2						
5/7/2009	XX	SWSPON124	667	7.43	10.3					6	3.9						
8/12/2009	XX	SWSPON128	462	7.24	17.4					6.1	6.5						
10/27/2009	XX	SWSPON15C	446	6.2	3					10.6	3.1						
6/7/2010	XX	SWSPON17D	291	7.12	13.5					5.66	3						
8/18/2010	XX	SWSPON17I	D	D	D					D	D						
10/21/2010	XX	SWSPON1B2	694	7.18	7.3						1.82						
5/18/2011	XX	SWXXXX1EB	292	7.8	8.3					6	0.6						
8/10/2011	XX	SWXXXX1G2	D	D	D					D	D						
11/2/2011	XX	SWXXXX1HD	878	6.9	5.1					8	1.8						
5/14/2012	XX	SWXXXX1J7	287	7.1	11.3					5	2.4						
8/14/2012	XX	SWXXXX210	F6	F6	F6					F6	F6						
10/29/2012	XX	SWXXXX22E	753	6.7	12.2					6	8.2						
5/21/2013	XX	SWXXXX248	713	6.9	11.9					6	1.1						
7/24/2013	XX	SWXXXX262	412	6.4	19.3					5	2.8						
10/1/2013	XX	SWXXXX27G	709	7	15.9					6	2.6						
6/5/2014	XX	SWXXXX29A	843	7.2	13					3	0.6						
8/21/2014	XX	SWXXXX2B4	626	7.5	15.7					2	4.5						
11/13/2014	XX	SWXXXX2CI	672	7.3	2.3					3	0.8						
6/4/2015	XX	SWXXXX2EE	747	7.1	11					4	0.8						
9/3/2015	XX	SWXXXX2G9	812	7.6	18.8					5	2.2						
11/5/2015	XX	SWXXXX2I3	564	6.9	5.1					5.4	2.6						
6/16/2016	XX	SWXXXX31D	717	7.6	13.7					3.9	6.1						
9/22/2016	XX	SWXXXX337	D	D	D					D	D						
11/10/2016	XX	SWXXXX351	1213	7.8	4.9					9.4	7.8						
6/15/2017	XX	SWXXXX36G	647	7.7	15					5.2	2.1						
8/31/2017	XX	SWXXXX38A	D	D	D					D	D						
11/16/2017	XX	SWXXXX3A4	1033	7.1	2.6					11.5	1.3						
6/21/2018	XX	SWXXXX3BJ	D	D	D					D	D						
8/16/2018	XX	SWXXXX3CE	D	D	D					D	D						

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

(SPON) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
11/29/2018	XX	SWXXXX3F7	227	7.6	1.2					8.3	0.6						
6/6/2019	XX	SWXXXX3H2	601	7.3	18.1					3.4	0.6						
8/15/2019	XX	SWXXXX3HH	481	7.5	17.5					3	0.8						
10/24/2019	XX	SWXXXX40A	473	7.7	8.5					7.9	1.1						
SPOS																	
5/12/2005	XX	SWSPOS01C	111	8.42	9.9					6.1	0.8						
7/25/2005	XX	SWSPOS034	202	7.83	15.9					6.3	14.9						
11/10/2005	XX	SWSPOS04G	109	8.8	2.5					11.4	1						
5/2/2006	XX	SWSPOS09C	116.8	6.97	6.7					8.2	5.45						
8/3/2006	XX	SWSPOS080	174	7.51	19.1					3	0.9						
10/18/2006	XX	SWSPOS068	143	8.31	7.6					7.7	6.3						
5/21/2007	XX	SWSPOS0B4	102	7.68	7.3					9.7	0.7						
8/8/2007	XX	SWSPOS0CH	140	6.7	17.1					6	3.9						
11/6/2007	XX	SWSPOS0E9	102	7.71	3					12.1	0.8						
6/11/2008	XX	SWSPOS0GH	101	7.25	16					7.6	4.9						
8/19/2008	XX	SWSPOS0H1	195	6.87	17.2					3.6	1.1						
10/22/2008	XX	SWSPOS105	185	7.12	4.5					7.8	0.8						
5/7/2009	XX	SWSPOS125	125.7	6.64	8.9					4.9	0.8						
8/12/2009	XX	SWSPOS129	171	6.9	16.5					3.5	0.8						
10/27/2009	XX	SWSPOS15D	95.1	6.41	3.2					10.5	0.7						
6/7/2010	XX	SWSPOS17E	116	7.22	12.9					7.08	0.97						
8/18/2010	XX	SWSPOS17J	D	D	D					D	D						
10/21/2010	XX	SWSPOS1B3	149.7	7.07	6.5					8.66	0.37						
5/18/2011	XX	SWXXXX1EC	88	7.5	10.3					8	0.4						
8/10/2011	XX	SWXXXX1G3	D	D	D					D	D						
11/2/2011	XX	SWXXXX1HE	127	7.3	5.2					6	0.3						
5/14/2012	XX	SWXXXX1J8	137	7.5	9.7					8	0.3						
8/14/2012	XX	SWXXXX211	F6	F6	F6					F6	F6						
10/29/2012	XX	SWXXXX22F	143	6.9	12					2	3.1						
5/21/2013	XX	SWXXXX249	123	7	7.1					6	1.1						
7/24/2013	XX	SWXXXX263	120	6.4	18.8					5	0.8						
10/1/2013	XX	SWXXXX27H	171	6.9	13.3					6	0.8						
6/5/2014	XX	SWXXXX29B	173	7.2	13.3					4	0.3						
8/21/2014	XX	SWXXXX2B5	166	7.8	16.9					5	1.4						
11/13/2014	XX	SWXXXX2CJ	107	7.3	3.2					4	0.8						
6/4/2015	XX	SWXXXX2EF	132	8	10.5					6.5	0.3						
9/3/2015	XX	SWXXXX2GA	233	7.9	17.9					5.6	2.2						
11/5/2015	XX	SWXXXX2I4	97	7.4	4.6					9	1.3						
6/16/2016	XX	SWXXXX31E	D	D	D					D	D						
9/22/2016	XX	SWXXXX338	D	D	D					D	D						
11/10/2016	XX	SWXXXX352	261	8.3	5.3					8.8	0.8						
6/15/2017	XX	SWXXXX36H	172	8.1	16.7					5.8	3.6						
8/31/2017	XX	SWXXXX38B	D	D	D					D	D						
11/16/2017	XX	SWXXXX3A5	155	7.6	3.5					9.4	0.8						
6/21/2018	XX	SWXXXX3C0	191	7.8	20.1					5.3	1.6						
8/16/2018	XX	SWXXXX3CF	172	7.9	21.1					5.4	0.5						
11/29/2018	XX	SWXXXX3F8	135	8.1	1.9					10.5	0.6						
6/6/2019	XX	SWXXXX3H3	111	7.8	20.6					8.1	0.8						
8/15/2019	XX	SWXXXX3HI	169	8.1	19.6					9	1.6						

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

(SPOS) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU						
10/24/2019	XX	SWXXXX40B	106	7.8	9.7					9.2	1.2						

Notes: TYPE - Sample Type Qualifier where D = 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.
D3 - Sample too dark to take reading.
F - The sampling location was frozen.
F6 - No flow. Sample not taken.
I - The sampling location yielded insufficient quantity to collect a sample.
M7 - No reading taken at this location.
U - Not Detected above the laboratory reporting limit.
Z3 - Reference Point (Top of PVC) Changed.

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

(103)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L
103										
4/27/2000	XX	103XX36643				0.02 U		0.01 U	0.36	1.38
8/1/2000	XX	103XX36739				0.058		0.01 U	0.3	1.49
10/24/2000	XX	103XX36823				D				D
5/8/2001	XX	103XX37019	0.008 U			0.119		0.01 U	0.24	1.2
7/24/2001	XX	103XX37096	D			D		D	D	D
10/16/2001	XX	103XX37180	D			D		D	D	D
5/15/2002	XX	103XX37391	0.01 U	0.9		0.095	0.4	0.01 U	0.36	1.5
7/29/2002	XX	103XX37466	0.01	1.3		0.034	0.4	0.01 U	0.28	1.5
10/18/2002	XX	103XX37547	D	D		D	D	D	D	D
6/18/2003	XX	103XX37790	0.005 U	2.8		0.032	1 U	0.01 U	1 U	1.3
8/6/2003	XX	103XX37839	0.005 U	3.1		0.02	1 U	0.01 U	1 U	1.4
10/6/2003	XX	103XX37900	0.005 U	3.5		0.031	1 U	0.01 U	1 U	1.8
5/12/2004	XX	103XX38119	0.005 U	3.1		0.022	1 U	0.01 U	1 U	1 U
8/19/2004	XX	103XX38218	0.005 U	3.5		0.031	1 U	0.01 U	1 U	1.9
10/18/2004	XX	103XX38278	D	D		D	D	D	D	D
5/24/2005	XX	GW103X004	0.005 U	2.9		0.03	1 U	0.01 U	1 U	1.2
8/17/2005	XX	GW103X01G	0.005 U	2.8		0.02	1 U	0.01 U	1 U	1.6
10/13/2005	XX	GW103X038	D	D		D	D	D	D	D
5/15/2006	XX	GW103X084	0.005 U	3.7		0.02	1 U	0.01 U	1 U	1.7
8/7/2006	XX	GW103X06C	0.005 U	4.1		0.02	1 U	0.01 U	1 U	1.8
10/11/2006	XX	GW103X050	0.005 U	3.9		0.02 B	1 U	0.01 U	1 U	1.7
5/22/2007	XX	GW103X09G	0.005 U	3.6		0.11	1 U	0.01 U	1 U	1.7
8/21/2007	XX	GW103X0B9	D	D		D	D	D	D	D
11/1/2007	XX	GW103X0D1	0.005 U	4.1		0.059	1 U	0.01 U	1 U	1.8
5/28/2008	XX	GW103X0F9	0.005 U	3.8		0.024	1 U	0.01 U	1 U	1.6
8/26/2008	XX	GW103X0H9	0.005 U	3.3		0.03	1 U	0.01 U	1 U	1.5
10/28/2008	XX	GW103X0IH	0.005 U	4.3		0.043	1 U	0.01 U	1 U	1.8
5/18/2009	XX	GW103X10H	0.005 U	2.9		0.017	1 U	0.01 U	1 U	1.4
8/17/2009	XX	GW103X12H	0.005 U	3.4		0.072	1 U	0.01 U	1 U	1.3
10/29/2009	XX	GW103X145	0.005 U	3		0.068	1 U	0.01 U	1 U	1.4
6/10/2010	XX	GW103X166	0.005 U	3.2		0.019	1 U	0.01 U	1 U	1.4
8/19/2010	XX	GW103X187	D	D		D	D	D	D	D
10/26/2010	XX	GW103X19F	0.005 U	4		0.36	1 U	0.013	1 U	1.6
104B										
4/27/2000	XX	104BXX36643				0.049		0.132	1.12	4.25
8/1/2000	XX	104BXX36739				0.043		0.08	1.01	4.05
10/24/2000	XX	104BXX36823	0.008 U			0.189		0.08	1.01	4.2
5/8/2001	XX	104BXX37019	0.008 U			0.329		0.09	1.14	4.6
7/24/2001	XX	104BXX37096	0.008 U			0.063		0.08	1.12	4.3
10/16/2001	XX	104BXX37180	0.01 U			0.064		0.06	1.04	4.1
5/15/2002	XX	104BXX37391	0.01 U	9.6		0.13	1.8	0.07	1.177	4.7
7/29/2002	XX	104BXX37466	0.01 U	10.2		0.036	1.7	0.07	1.03	4.1
10/15/2002	XX	104BXX37544	0.01 U	9.1		0.062	1.6	0.06	1	3.8
6/19/2003	XX	104BXX37791	0.005 U	26		0.016	2	0.08	1 U	4
8/5/2003	XX	104BXX37838	0.005 U	24		0.01 U	1.9	0.064	1	3.5
10/7/2003	XX	104BXX37901	0.005 U	22		0.01	1.8	0.056	1 U	3.6
4/26/2004	XX	104BXX38103	0.005 U	25		0.01 U	2	0.063	1.2	5.1

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

(104B)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L
8/9/2004	XX	104BXX38208	0.005 U	22		0.044	1.8	0.063	1 U	3.5
10/11/2004	XX	104BXX38271	0.005 U	23		0.024	1.8	0.063	1 U	3.7
5/24/2005	XX	GW104B005	0.005 U	20		0.03	1.6	0.04	1 U	3.5
8/1/2005	XX	GW104B01H	0.005 U	21		0.02	1.7	0.05	1 U	4.1
10/25/2005	XX	GW104B039	0.005 U	24		0.03	1.7	0.04	1 U	4.1
5/10/2006	XX	GW104B085	0.005 U	27		0.01 B	1.8	0.04	1 U	3.9
7/24/2006	XX	GW104B06D	0.005 U	25		0.02 B	1.8	0.04	1.2	4.3
10/10/2006	XX	GW104B051	0.005 U	23		0.04 B	1.8	0.05	1	4
5/10/2007	XX	GW104B09H	0.005 U	23		0.041	1.7	0.032	1 U	3.6
8/6/2007	XX	GW104B0BA	0.005 U	25		0.02	1.8	0.045	1.2	4.7
10/24/2007	XX	GW104B0D2	0.005 U	22		0.01	1.7	0.04	1 U	4
10/24/2007	XD	GWDP2X0EJ	0.005 U	23		0.01 U	1.7	0.04	1 U	4.2
5/28/2008	XX	GW104B0FA	0.005 U	23		0.04	1.8	0.03	1	4.3
8/11/2008	XX	GW104B0HA	0.005 U	19		0.011	1.6	0.03	1 U	3.8
10/15/2008	XX	GW104B0II	0.005 U	20		0.02	1.6	0.03	1	3.7
10/15/2008	XD	GWDP1X106	0.005 U	20		0.01 U	1.6	0.03	1	3.7
5/6/2009	XX	GW104B10I	0.005 U	19		0.02	1.5	0.027	1 U	3.6
8/4/2009	XX	GW104B12I	0.005 U	18		0.015	1.5	0.026	1 U	3.3
10/19/2009	XX	GW104B146	0.005 U	21		0.02	1.7	0.03	1	4.3
5/25/2010	XX	GW104B167	0.005 U	20		0.01 U	1.6	0.024	1.1	3.9
5/25/2010	XD	GWDP1X15J	0.005 U	20		0.025	1.6	0.024	1.1	3.9
8/2/2010	XX	GW104B188	0.005 U	20		0.025	1.6	0.022	1.1	3.8
10/12/2010	XX	GW104B19G	0.005 U	20		0.16	2	0.022	1 U	3.5
5/16/2011	XX	GW104B1DI	0.005 U	21		0.01 U	1.6	0.023	1.1	3.8
5/16/2011	XD	GWXXXX1EG	0.005 U	21		0.01 U	1.7	0.024	1.1	4
8/9/2011	XX	GW104B1F9	0.0016 U	21		0.017	1.7	0.028	1	4
11/3/2011	XX	GW104B1H0	0.0016 U	20		0.011	1.6	0.031	0.91 J	3.9
11/3/2011	XD	GWDP2X1HJ	0.0016 U	18		0.0088 J	1.5	0.027	0.86 J	3.6
5/14/2012	XX	GW104B1IE	0.005 U	20		0.02	1.7	0.03	1.1	4.1
5/14/2012	XD	GWXXXX1JC	0.005 U	21		0.014	1.7	0.03	1.1	4.1
8/14/2012	XX	GW104B207	0.005 U	18		0.01	1.6	0.029	1 U	3.9
8/14/2012	XD	GWDP1X215	0.005 U	18		0.029	1.5	0.03	1 U	3.9
10/31/2012	XX	GW104B221	0.005 U	21		0.01 U	1.7	0.028	1.1	4.2
5/22/2013	XX	GW104B23F	0.005 U	19		0.01 U	1.5	0.023	1 U	3.5
5/22/2013	XD	GWDP3X24F	0.005 U	15		0.01 U	1.2	0.018	1 U	2.8
7/23/2013	XX	GW104B259	0.005 U	22		0.01 U	1.6	0.021	1.3	4.1
10/1/2013	XX	GW104B273	0.005 U	20		0.01 U	1.6	0.026	1 U	4.1
6/4/2014	XX	GW104B28H	0.008 U	21.5		0.1 U	1.87	0.0176	1	4.29
6/4/2014	XD	GWDP3X29H	0.008 U	21.6		0.1 U	1.89	0.0183	1 U	4.29
8/19/2014	XX	GW104B2AB	0.008 U	22.5		0.1 U	1.7	0.0213	1 U	4.29
11/12/2014	XX	GW104B2C5	0.008 U	20.7		0.1 U	1.71	0.0223	1 U	4.23
6/3/2015	XX	GW104B2E1	0.008 U	20.4		0.1 U	1.77	0.019	1.05	4.16
6/3/2015	XD	GWDP3X2F1	0.008 U	20		0.1 U	1.7	0.019	1 U	4.03
9/2/2015	XX	GW104B2FG	0.008 U	22.4		0.1 U	1.83	0.014	1 U	4.66
11/4/2015	XX	GW104B2HA	0.008 U	21.2		0.1 U	1.78	0.019	1.01	4.39
6/14/2016	XD	GWDP3X320	0.008 U	21.8		0.1 U	1.84	0.021	1.1	4.4
6/14/2016	XX	GW104B310	0.008 U	20.9		0.1 U	1.81	0.021	1.1	4.35
9/20/2016	XX	GW104B32E	0.008 U	22		0.1 U	1.78	0.018	1	4.49
11/8/2016	XX	GW104B348	0.008 U	22.6		0.1 U	1.61	0.016	1	4.54
6/14/2017	XD	GWDP3X373	0.008 U	22.3		0.1 U	1.82	0.0223	1.15	4.41

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

(104B) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
6/14/2017	XX	GW104B363	0.008 U	21.9		0.1 U	1.83	0.0277	1.22	4.32							
8/30/2017	XX	GW104B37H	0.008 U	22		0.297	1.76	0.0552	1.05	4.5							
11/15/2017	XX	GW104B39B	0.008 U	22.1		0.1 U	1.7	0.0166	1	4.51							
6/19/2018	XD	GWDP3X3C6	0.008 U	19.5		0.1 U	1.86	0.0253	1 U	3.95							
6/19/2018	XX	GW104B3B6	0.008 U	21		0.1 U	2.01	0.0273	1 U	4.22							
8/14/2018	XX	GW104B3DF	0.008 U	21.6		0.1 U	1.74	0.0172	1 U	4.26							
11/27/2018	XX	GW104B3EE	0.008 U	22.9		0.1 U	1.7	0.0197	1.12	4.65							
6/4/2019	XD	GWDP3X3H9	0.008 U	21.7		0.1 U	1.7	0.0123	1 U	4.18							
6/4/2019	XX	GW104B3G9	0.008 U	23.7		0.1 U	1.84	0.0132	1.04	4.62							
8/14/2019	XX	GW104B3II	0.008 U	22.5		0.1 U	1.78	0.0144	1 U	4.38							
10/22/2019	XX	GW104B3JH	0.008 U	22.1		0.1 U	1.78	0.0079	1.03	4.81							
107A																	
5/3/2000	XX	107AXX36649				0.02 U		0.951	1.98	37.35							
8/10/2000	XX	107AXX36748				0.75		0.94	1.86	31.9							
11/9/2000	XX	107AXX36839	0.008 U			1.669		0.99	1.48	25.8							
5/16/2001	XX	107AXX37027	0.008 U			0.366		0.94	1.68	30.2							
8/1/2001	XX	107AXX37104	0.008 U			0.87		12.96	2.56	67.1							
10/24/2001	XX	107AXX37188	0.008 U			1.85		24.96	3.12	93.2							
5/22/2002	XX	107AXX37398	0.01 U	370.2		1.74	131.7	7.05	2.751	89.2							
8/2/2002	XX	107AXX37470	0.03	307.2	0.01 U	1.22	133.3	13.92	3.6	90.9							
10/23/2002	XX	107AXX37552	0.043	226.2	0.01 U	1.007	123	13.17	2.43	73.8							
6/24/2003	XX	107AXX37796	0.005 U	270	0.003 U	1.2	140	17	4	57							
8/13/2003	XX	107AXX37846	0.005 U	220	0.011	0.9	120	15	3.8	56							
10/16/2003	XX	107AXX37910	0.005 U	210	0.003 U	0.65	120	16	4.3	64							
5/13/2004	XX	107AXX38120	0.005 U	130	0.005	0.36	67	0.79	2.9	46							
8/2/2004	XX	107AXX38201	0.005 U	98	0.0081	0.42	43	7.6	2.5	32							
10/19/2004	XX	107AXX38279	0.005 U	100	0.003 U	0.62	52	7.6	2.3	33							
5/10/2005	XX	GW107A006	0.005 U	160	0.003 U	0.36	100	20	3	38							
7/27/2005	XX	GW107A01I	0.005 U	160	0.003 U	0.46	110	9.8	3	45							
10/27/2005	XX	GW107A03A	0.005 U	130	0.003 U	0.94	76	14	2.3	37							
5/3/2006	XX	GW107A086	0.005 U	88	0.005 B	0.14	46	7.2	1.5	28							
8/1/2006	XX	GW107A06E	0.005 U	73	0.003 U	0.27	31	5.3	1.9	19							
10/25/2006	XX	GW107A052	0.005 U	50	0.003 U	0.16	19	4.4	1.1	12							
5/8/2007	XX	GW107A09I	0.005 U	62		0.12	32	6.1	1.4	18							
5/8/2007	XD	GWDP3X0EC	0.005 U	58		0.12	30	5.8	1.4	18							
8/7/2007	XX	GW107A0BB	0.005 U	75		0.26	37	11	1.9	18							
10/31/2007	XX	GW107A0D3	0.005 U	99		0.42	56	19	2.4	19							
5/28/2008	XX	GW107A0FB	0.005 U	90		0.2	51	18	2.9	20							
8/18/2008	XX	GW107A0HB	0.005 U	68		0.26	35	14	1.4	18							
10/23/2008	XX	GW107A0IJ	0.005 U	70		0.32	32	12	1.6	20							
5/12/2009	XX	GW107A10J	0.005 U	55		0.059	24	10	1.1	16							
5/12/2009	XD	GWDP3X10C	0.005 U	65		0.083	23	12	1.1	15							
8/11/2009	XX	GW107A12J	0.005 U	67		0.17	26	13	2	15							
10/26/2009	XX	GW107A147	0.005 U	57		0.24	29	13	2.3	15							
6/2/2010	XX	GW107A168	0.005 U	75		0.054	24	16	1.8	12							
8/5/2010	XX	GW107A189	0.005 U	79		0.17	25	22	3	14							
8/5/2010	XD	GWDP3X182	0.005 U	84		0.19	25	24	3	14							
10/18/2010	XX	GW107A19H	0.005 U	90		0.28	41	33	4.3	24							
5/18/2011	XX	GW107A1D8	0.005 U	100		0.12	46	39	3.3	28							

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

(107A)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
8/9/2011	XX	GW107A1EJ	0.0016 U	65		0.19	24	24	2.2	24							
11/2/2011	XX	GW107A1GA	0.0016 U	74		0.61	28	26	4	28							
5/17/2012	XX	GW107A1I4	0.005 U	92		0.15	37	36	3.7	27							
8/14/2012	XX	GW107A1JH	0.005 U	93		0.23	47	50	7.3	38							
10/31/2012	XX	GW107A21B	0.005 U	110		0.42	52	56	7.7	45							
5/21/2013	XX	GW107A235	0.005 U	120		0.22	52	61	5.8	44							
7/22/2013	XX	GW107A24J	0.005 U	110		0.3	40	51	5.5	37							
10/1/2013	XX	GW107A26D	0.005 U	94		0.41	37	41	5.2	34							
6/4/2014	XX	GW107A287	0.008 U	58.2		0.134	18.6	1.2	1.63	18.1							
8/19/2014	XX	GW107A2A1	0.008 U	96.6		0.178	35.2	26.4	2.26	29.8							
11/12/2014	XX	GW107A2BF	0.008 U	103		0.213	50.3	37.6	5	38							
6/3/2015	XX	GW107A2DB	0.008 U	106		0.387	59	45.5	3.78	37.7							
9/2/2015	XX	GW107A2F6	0.008 U	103		0.32	53.3	29.8	4.02	38.1							
11/4/2015	XX	GW107A2H0	0.04 U	106		0.5 U	66	54.5	4.49	48.7							
6/15/2016	XX	GW107A30A	0.008 U	70.6		0.349	33.7	12.3	2.5	26.8							
9/20/2016	XX	GW107A324	0.008 U	64.1		0.5	33.7	9.57	8.3	24.6							
11/8/2016	XX	GW107A33I	0.008 U	75.7		0.424	56	17.9	28.9	28							
6/14/2017	XX	GW107A35D	0.008 U	143		0.519	124	72.5	12.2	52.4							
8/29/2017	XX	GW107A377	0.008 U	126		0.678	98.2	43	13.6	47.3							
11/15/2017	XX	GW107A391	0.008 U	108		0.597	99.9	36.2	24	56							
6/19/2018	XX	GW107A3AG	0.008 U	77.1		0.283	68.8	14.6	10.7	32.1							
8/16/2018	XX	GW107A3D5	0.008 U	91.6		0.3	77.6	24.4	11.1	37.7							
11/28/2018	XX	GW107A3E4	0.008 U	78.2		0.487	61.4	13	18.4	33.7							
6/5/2019	XX	GW107A3FJ	0.008 U	74.3		0.1 U	56.6	8.16	10.6	27.1							
8/14/2019	XX	GW107A3I8	0.008 U	80.5		0.1 U	65.4	17	9.96	28.2							
10/23/2019	XX	GW107A3J7	0.008 U	84.3		0.197	63.9	18.6	15.6	32.3							
113																	
4/27/2000	XX	113XX36643				40.65		7.1	6.53	11.77							
8/1/2000	XX	113XX36739				66.14		9.14	9.68	11.97							
11/8/2000	XX	113XX36838	0.107			54.75		7.95	9.8	10.9							
5/8/2001	XX	113XX37019	0.072			54.55		6.81	6.94	9.4							
7/24/2001	XX	113XX37096	0.096			76.6		9.64	9.51	9.5							
10/16/2001	XX	113XX37180	0.104			59.1		7.78	9.18	9.5							
5/15/2002	XX	113XX37391	0.094	116		61.38	62.3	7.8	7.48	10.7							
7/31/2002	XX	113XX37468	0.12	118.5	0.01 U	81.42	75.3	9.24	9.29	10.9							
10/18/2002	XX	113XX37547	0.21	102.6	0.014	65.2	69.7	7.05	9.09	9.6							
6/18/2003	XX	113XX37790	0.093	120	0.003 U	56	71	8.5	11	11							
8/6/2003	XX	113XX37839	0.005 U	130	0.003 U	60	78	9	10	12							
10/6/2003	XX	113XX37900	0.1	120	0.003 U	62	76	8.1	9.9	12							
5/12/2004	XX	113XX38119	0.078	130	0.005	58	70	8.3	20	15							
8/19/2004	XX	113XX38218	0.079	120	0.003 U	62	74	8.7	11	12							
10/18/2004	XX	113XX38278	0.1	110	0.003 U	68	79	8.8	14	11							
5/24/2005	XX	GW113X008	0.058	110	0.003 U	54	63	8.1	8.4	9.5							
8/17/2005	XX	GW113X020	0.1	77	0.003 U	38	44	6.5	7.8	8.2							
10/13/2005	XX	GW113X03C	0.097	120	0.008	71	81	10	10	11							
5/15/2006	XX	GW113X088	0.06	140	0.003 U	68	79	9.4	9.9	13							
8/7/2006	XX	GW113X06G	0.086	120	0.005 B	63	69	8.8	11	11							
10/11/2006	XX	GW113X054	0.097	130	0.003 U	79 B	78	9.9	12	11							
5/22/2007	XX	GW113X0A0	0.058	100		58	58	7.8	10	12							

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

(113) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
8/21/2007	XX	GW113X0BD	0.092	110		70	64	9.1	10	9.3							
11/1/2007	XX	GW113X0D5	0.095	98		63	62	8.2	9	8.3							
11/1/2007	XD	GWDP1X0EI	0.097	100		66	65	8.7	9.3	8.6							
5/28/2008	XX	GW113X0FD	0.08	110		70	69	9.1	14	11							
8/26/2008	XX	GW113X0HD	0.069	110		72	56	9.6	9.4	9.2							
10/28/2008	XX	GW113X0J1	0.09	140		78	86	11	11	9.8							
5/18/2009	XX	GW113X111	0.049	140		59	71	10	8.9	9.5							
5/18/2009	XD	GWDP1X10A	0.045	150		76	62	11	8.5	9							
8/17/2009	XX	GW113X131	0.064	110		65	59	8.6	9.5	9.5							
10/29/2009	XX	GW113X149	0.07	94		54	52	7	7.9	8.2							
6/10/2010	XX	GW113X16A	0.066	130		78	70	11	9.3	7.8							
8/19/2010	XX	GW113X18B	0.078	97		68	58	8.9	8.8	6.7							
10/26/2010	XX	GW113X19J	0.082	78		56	45	6.8	8.8	6.7							
202AR																	
4/27/2000	XX	202ARXX36643				0.35		19.46	8.32	28.77							
8/2/2000	XX	202ARXX36740				1.047		15.03	9.42	27.22							
10/24/2000	XX	202ARXX36823	0.015			1.615		20.25	10.33	27.8							
5/9/2001	XX	202ARXX37020	0.011			0.882		18.78	9.13	26.2							
7/24/2001	XX	202ARXX37096	0.014			1.528		19.17	9.9	24.4							
10/16/2001	XX	202ARXX37180	0.015			1.834		22.32	12.15	29							
5/16/2002	XX	202ARXX37392	0.01 U	276.9		0.94	89.8	19.77	10.296	30							
7/31/2002	XX	202ARXX37468	0.045	122.8	0.01 U	0.898	39.5	16.83	8.8	24.7							
7/31/2002	XD	202ARXD37468			0.01 U												
10/16/2002	XX	202ARXX37545	0.01 U	235.8	0.01 U	1.404	86.1	16.5	9.98	21.9							
6/17/2003	XX	202ARXX37789	0.071	290	0.003 U	0.76	94	20	11	34							
8/6/2003	XX	202ARXX37839	0.007	290	0.003 U	0.95	100	22	12	32							
10/8/2003	XX	202ARXX37902	0.056	290	0.003 U	0.99	95	20	12	30							
4/28/2004	XX	202ARXX38105	0.0095	320	0.003 U	1	100	22	14	34							
8/11/2004	XX	202ARXX38210	0.0076	260	0.0031	1.2	95	20	13	27							
10/12/2004	XX	202ARXX38272	0.012	280	0.003 U	1.3	100	19	11	27							
5/19/2005	XX	GW202A009	0.008	230	0.003 U	0.83	91	19	11	29							
8/4/2005	XX	GW202A021	0.01	220	0.003	1	82	18	13	28							
10/25/2005	XX	GW202A03D	0.011	270	0.003 U	1.2	92	19	13	29							
5/9/2006	XX	GW202A089	0.01	500	0.003 U	0.76	98	20	13	30							
7/25/2006	XX	GW202A06H	0.009	360	0.003 B	0.83 B	97	20	13	30							
10/19/2006	XX	GW202A055	0.012	260	0.003 U	1.2	89	19	14	26							
5/10/2007	XX	GW202A0A1	0.015	290		0.91	93	19	13	31							
8/6/2007	XX	GW202A0BE	0.013	310		1.3	96	21	17	32							
10/25/2007	XX	GW202A0D6	0.012	340		1.4	130	26	13	39							
5/29/2008	XX	GW202A0FE	0.009	260		0.94	93	19	12	30							
8/12/2008	XX	GW202A0HE	0.007	240		0.95	84	17	12	29							
8/12/2008	XD	GWDP1X0H2	0.007	230		0.98	79	17	11	28							
10/16/2008	XX	GW202A0J2	0.008	210		0.98	74	15	11	26							
5/4/2009	XX	GW202A112	0.005 U	300		0.96	100	21	14	27							
8/5/2009	XX	GW202A132	0.013	340		1	120	23	12	26							
8/5/2009	XD	GWDP1X12A	0.012	340		1	120	19	12	26							
10/20/2009	XX	GW202A14A	0.01	210		1.3	77	18	12	25							
5/26/2010	XX	GW202A16B	0.01	270		1.1	93	20	17	26							
8/2/2010	XX	GW202A18C	0.011	265		1.2	84	18	17	25							

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

(202AR)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
10/12/2010	XX	GW202A1A0	0.0069	210		1.5	81	16	13	23							
5/17/2011	XX	GW202A1DJ	0.005 U	240		1	79	16	15	22							
8/10/2011	XX	GW202A1FA	0.0052	220		1.2	77	18	12	26							
8/10/2011	XD	GWDP1X1G7	0.0024	220		1.2	76	18	12	25							
11/3/2011	XX	GW202A1H1	0.0085	200		1.2	78	17	14	25							
5/16/2012	XX	GW202A1IF	0.005 U	200		1.1	78	16	14	26							
8/15/2012	XX	GW202A208	0.0086	190		1.2	72	16	12	24							
10/31/2012	XX	GW202A222	0.012	200		1.6	83	16	15	25							
5/20/2013	XX	GW202A23G	0.005 U	200		0.95	69	16	13	22							
7/23/2013	XX	GW202A25A	0.0065	200		1	70	16	15	23							
10/2/2013	XX	GW202A274	0.0085	200		1.3	71	16	14	22							
6/3/2014	XX	GW202A28I	0.012	205		1.39	74.2	14.6	12.3	22.8							
8/19/2014	XX	GW202A2AC	0.015	213		1.54	68.3	15.1	12.1	21.2							
11/12/2014	XX	GW202A2C6	0.018	212		2.04	77.2	15.6	13.3	22.5							
6/2/2015	XX	GW202A2E2	0.016	207		1.38	71.9	15.8	12.3	22.7							
9/2/2015	XX	GW202A2FH	0.013	217		1.83	78.3	15.8	13.2	22.8							
11/3/2015	XX	GW202A2HB	0.011	211		1.7	75.9	16.2	13	22.9							
6/14/2016	XX	GW202A311	0.016	205		1.87	73.8	14.5	12.8	23.1							
9/22/2016	XX	GW202A32F	0.015	202		1.84	71.6	14.9	12.4	22.5							
11/9/2016	XX	GW202A349	0.015	216		1.89	68	15.1	13.4	23							
6/13/2017	XX	GW202A364	0.0125	206		1.73	74.8	15.2	13.1	22.6							
8/30/2017	XX	GW202A37I	0.014	204		1.52	71	15.3	12.8	21.9							
11/16/2017	XX	GW202A39C	0.014	209		1.75	72.8	15.5	13.1	23							
6/20/2018	XX	GW202A3B7	0.015	222		1.48	71.6	15.7	13.8	23.7							
8/14/2018	XX	GW202A3DG	0.012	204		1.6	71	14.8	12.8	21.5							
6/4/2019	XX	GW202A3GA	0.026	204		1.66	71.6	15	12.6	21.5							
8/13/2019	XX	GW202A3IJ	0.016	198		1.48	75	14.5	12.9	22.1							
10/24/2019	XX	GW202A3JI	0.014	190		1.58	75	14.5	12.7	21.6							
202B																	
4/27/2000	XX	202BXX36643				0.02 U		8.14	4.32	17.37							
8/2/2000	XX	202BXX36740				0.552		9.06	7.18	30.35							
10/24/2000	XX	202BXX36823	0.008 U			1.861		15.96	10.26	38.3							
5/9/2001	XX	202BXX37020	0.008 U			0.266		10.35	6.17	21.8							
7/25/2001	XX	202BXX37097	0.008 U			1.099		15.75	11.14	33.8							
10/16/2001	XX	202BXX37180	0.01 U			0.201		9.33	10.8	30.2							
5/16/2002	XX	202BXX37392	0.01 U	140.6		0.043	72.3	8.24	7.958	23.5							
7/31/2002	XX	202BXX37468	0.031	183.2	0.01 U	0.142	102.5	10.96	10.15	30.2							
10/16/2002	XX	202BXX37545	0.01 U	188.5	0.011	0.36	102.6	8.82	11.52	29.2							
6/17/2003	XX	202BXX37789	0.031	25	0.03	1.9	69	8	9.9	20							
8/6/2003	XX	202BXX37839	0.005 U	190	0.003 U	0.14	110	11	11	32							
10/8/2003	XX	202BXX37902	0.005 U	180	0.004	0.051	100	11	13	32							
4/28/2004	XX	202BXX38105	0.005 U	160	0.0058	0.1	81	10	9.9	25							
8/11/2004	XX	202BXX38210	0.017	200	0.0089	0.41	120	14	13	31							
10/12/2004	XX	202BXX38272	0.005 U	230	0.003 U	0.46	130	14	13	35							
5/19/2005	XX	GW202B00A	0.005 U	110	0.005	1.1	62	7.5	9.1	18							
8/4/2005	XX	GW202B022	0.005 U	150	0.01	1.3	84	10	11	26							
10/25/2005	XX	GW202B03E	0.005 U	120	0.006	0.49	68	7.6	13 E	21							
5/9/2006	XX	GW202B08A	0.005 U	120	0.003 U	0.47	71	8.1	9.7	20							
7/25/2006	XX	GW202B06I	0.005 U	140	0.005 B	1 B	82	9.6	12 E	20							

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

(202B)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
10/19/2006	XX	GW202B056	0.005 U	170	0.008	2.4	98	9.7	13	26							
5/10/2007	XX	GW202B0A2	0.005 U	99		0.67	60	7.8	8.8	17							
5/10/2007	XD	GWDP1X0EA	0.005 U	97		0.97	58	7.5	8.6	17							
8/6/2007	XX	GW202B0BF	0.007	160		4.6	97	12	15	28							
10/25/2007	XX	GW202B0D7	0.005 U	130		3.1	76	8.8	9.5	24							
5/29/2008	XX	GW202B0FF	0.005 U	95		3	53	7.8	7.7	15							
8/26/2008	XX	GW202B0HF	0.005 U	87		0.59	48	7.4	8.2	16							
10/16/2008	XX	GW202B0J3	0.005 U	100		2.7	58	8.1	8	17							
5/4/2009	XX	GW202B113	0.005 U	120		1.3	68	10	8.5	14							
8/5/2009	XX	GW202B133	0.0057	130		1.6	73	11	8	15							
10/20/2009	XX	GW202B14B	0.005 U	100		4.1	57	8	8.2	16							
5/26/2010	XX	GW202B16C	0.005 U	100		1.1	58	8.8	11	15							
8/2/2010	XX	GW202B18D	0.005 U	33		1.2	22	3.1	4	6							
10/12/2010	XX	GW202B1A1	0.005 U	99		0.22	48	4.6	9.1	15							
5/17/2011	XX	GW202B1E0	0.005 U	51		0.22	27	3.8	5.6	8.7							
8/10/2011	XX	GW202B1FB	0.0016 U	120		0.31	62	12	9.6	20							
11/3/2011	XX	GW202B1H2	0.0016 U	86		0.62	51	7.3	10	16							
5/16/2012	XX	GW202B1IG	0.005 U	74		0.28	43	6.8	9.1	13							
8/15/2012	XX	GW202B209	0.005 U	120		0.38	69	11	11	20							
10/31/2012	XX	GW202B223	0.005 U	83		0.2	47	6.1	11	16							
5/20/2013	XX	GW202B23H	0.005 U	76		0.6	40	6.3	8.8	12							
7/23/2013	XX	GW202B25B	0.005 U	87		0.39	45	6.9	10	14							
10/2/2013	XX	GW202B275	0.005 U	87		0.38	47	6.5	10	13							
6/3/2014	XX	GW202B28J	0.008 U	78.3		1.38	45.5	5.8	8.16	15.4							
8/19/2014	XX	GW202B2AD	0.008 U	135		3.07	74.4	10.2	13.2	19.4							
11/12/2014	XX	GW202B2C7	0.008 U	125		0.642	75.6	8.26	13.2	20.2							
6/2/2015	XX	GW202B2E3	0.008 U	72.2		10.6	40.6	5.52	8.54	19.1							
9/2/2015	XX	GW202B2FI	0.008 U	144		1.9	81	11	14.4	20.9							
11/3/2015	XX	GW202B2HC	0.008 U	117		1.1	65.3	8.72	12.5	20.7							
6/14/2016	XX	GW202B312	0.008 U	85.4		1.32	46.4	6.8	9	12.9							
9/22/2016	XX	GW202B32G	I	I		I	I	I	I	I							
11/9/2016	XX	GW202B34A	I	I		I	I	I	I	I							
6/13/2017	XX	GW202B365	0.008 U	101		2.86	53	7.08	11	15.2							
8/30/2017	XX	GW202B37J	I	I		I	I	I	I	I							
11/16/2017	XX	GW202B39D	0.008 U	141		3.11	78	8.42	15.2	26.4							
6/20/2018	XX	GW202B3B8	0.008 U	89.4		6.26	42.4	5.77	10.9	20.8							
8/14/2018	XX	GW202B3DH	0.008 U	143		2.74	77.3	9.8	15.3	20.3							
11/27/2018	XX	GW202B3EG	0.008 U	145		1.49	75.7	7.09	15.8	21.9							
6/4/2019	XX	GW202B3GB	0.008 U	70.8		1.68	34.8	4.66	9.12	15.8							
8/13/2019	XX	GW202B3J0	0.008 U	111		1.16	63.5	8.13	14.1	17.3							
10/24/2019	XX	GW202B3JJ	0.008 U	86.2		0.538	56.1	5.89	13.1	17							
205A																	
4/27/2000	XX	205AXX36643				0.538		1.11	1.44	14.13							
8/2/2000	XX	205AXX36740				2.492		0.84	1.83	20.3							
10/25/2000	XX	205AXX36824	0.008 U			2.124		0.93	1.66	16.7							
5/9/2001	XX	205AXX37020	0.008 U			1.848		1.07	1.62	18.5							
7/25/2001	XX	205AXX37097	0.008 U			2.28		1.29	1.76	17.2							
10/17/2001	XX	205AXX37181	0.01 U			2.18		0.94	1.98	19.7							
5/15/2002	XX	205AXX37391	0.01 U	104.9		3.326	28.9	1.35	2.079	23.4							

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

(205A)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
8/1/2002	XX	205AXX37469	0.016	80.5	0.01 U	2.806	22.2	1.17	1.83	20.5							
10/16/2002	XX	205AXX37545	0.01 U	76.5	0.01 U	2.84	20.4	1.11	1.81	16.4							
6/19/2003	XX	205AXX37791	0.005 U	140	0.003 U	2.5	31	1.5	2.6	26							
8/20/2003	XX	205AXX37853	0.005 U	98	0.012	2.2	23	1.2	2.8	22							
10/9/2003	XX	205AXX37903	0.005 U	96	0.003 U	2.2	22	1.2	2.4	20							
4/27/2004	XX	205AXX38104	0.005 U	120	0.003 U	2	25	1.1	3.9	27							
8/12/2004	XX	205AXX38211	0.005 U	180	0.003 U	2.5	38	1.7	4.5	42							
10/14/2004	XX	205AXX38274	0.005 U	97	0.003 U	1.4	21	0.9	2.3	18							
5/17/2005	XX	GW205A00B	0.005 U	130	0.003 U	1.7	30	0.89	2.9	25							
8/4/2005	XX	GW205A023	0.005 U	130	0.003 U	1.4	29	1	2.6	28							
10/27/2005	XX	GW205A03F	0.005 U	120	0.003 U	1.4	26	0.93	2.9	28							
5/9/2006	XX	GW205A08B	0.005 U	140	0.003 U	1.8	32	0.97	3.4	30							
7/25/2006	XX	GW205A06J	0.005 U	170	0.003 U	1.7 B	39	1	3.7	32							
10/23/2006	XX	GW205A057	0.005 U	100	0.003 U	1.3 B	20	0.8	2.1	26							
5/14/2007	XX	GW205A0A3	0.009	130		2.3	33	0.97	3.9	37							
8/16/2007	XX	GW205A0BG	0.005 U	120		1.5	27	0.96	3	24							
8/16/2007	XD	GWDP1X0EE	0.005 U	110		1.5	26	0.97	3	23							
10/25/2007	XX	GW205A0D8	0.005 U	120		1.4	24	0.89	2.5	27							
5/29/2008	XX	GW205A0FG	0.005 U	150		1.7	33	1.1	2.6	33							
8/12/2008	XX	GW205A0HG	0.005 U	130		1.4	30	0.94	2.5	31							
10/16/2008	XX	GW205A0J4	0.005 U	120		1.3	28	0.91	2	30							
10/16/2008	XD	GWDP2X107	0.005 U	120		1.3	28	0.91	2	31							
5/4/2009	XX	GW205A114	0.005 U	160		1.8	29	0.93	3.8	29							
8/5/2009	XX	GW205A134	0.005 U	180		1.2	27	0.97	2.4	30							
10/20/2009	XX	GW205A14C	0.005 U	100		1.1	24	0.84	3.5	25							
5/26/2010	XX	GW205A16D	0.005 U	150		1.2	25	0.82	3.5	28							
5/26/2010	XD	GWDP2X160	0.005 U	120		1.2	24	0.81	3.3	28							
8/3/2010	XX	GW205A18E	0.005 U	100		0.82	24	0.8	3.5	28							
10/13/2010	XX	GW205A1A2	0.005 U	69		0.44	16	0.59	1.8	21							
5/17/2011	XX	GW205A1E1	0.005 U	110		0.4	25	1	3.6	23							
8/9/2011	XX	GW205A1FC	0.0016 U	73		0.86	17	0.75	2.3	20							
11/3/2011	XX	GW205A1H3	0.0016 U	85		0.79	22	0.79	3.4	25							
5/16/2012	XX	GW205A1IH	0.005 U	73		0.23	16	0.99	3.2	23							
8/16/2012	XX	GW205A20A	0.0079	80		1.1	18	1.2	3.5	25							
10/30/2012	XX	GW205A224	0.0057	78		0.88	17	0.9	3.6	22							
5/20/2013	XX	GW205A23I	0.005 U	64		0.18	13	0.75	2.9	20							
7/23/2013	XX	GW205A25C	0.005 U	72		0.68	15	1.2	3.4	21							
10/2/2013	XX	GW205A276	0.0094	57		1.7	12	1	2.5	19							
6/3/2014	XX	GW205A290	0.008 U	55.8		0.388	12	1.09	1.62	19.5							
8/19/2014	XX	GW205A2AE	0.012	70.8		0.821	13.9	1.09	1.8	22.1							
11/12/2014	XX	GW205A2C8	0.008	63.8		0.706	13.8	0.976	1.8	20.8							
6/2/2015	XX	GW205A2E4	0.008 U	61.9		0.385	13.8	0.734	1.71	20.7							
9/2/2015	XX	GW205A2FJ	0.008 U	64.2		0.366	13.5	1.16	1.74	21.9							
11/3/2015	XX	GW205A2HD	0.008 U	64.4		0.418	13.8	0.738	1.86	21.7							
6/14/2016	XX	GW205A313	0.008 U	68.6		0.168	15.1	0.807	2	24.6							
9/21/2016	XX	GW205A32H	0.008 U	60.3		0.449	13.5	1.1	2	22.4							
11/9/2016	XX	GW205A34B	0.008	66.2		0.715	13.2	0.97	2.1	23.6							
6/13/2017	XX	GW205A366	0.008 U	65.6		0.162	13.7	0.302	1.81	21.2							
8/30/2017	XX	GW205A380	0.008 U	68		0.175	14.3	1.28	1.9	22.4							
11/16/2017	XX	GW205A39E	0.008 U	63.6		0.378	13.2	0.816	1.9	21.9							

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

(205A)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
6/19/2018	XX	GW205A3B9	0.008 U	65.7		0.1 U	15.5	0.214	2.06	22.7							
8/14/2018	XX	GW205A3DI	0.008 U	62.7		0.119	13	0.631	1.82	22							
11/27/2018	XX	GW205A3EH	0.008 U	60.6		0.1 U	11.7	0.258	1.88	20.4							
6/4/2019	XX	GW205A3GC	0.008 U	64.7		0.1 U	13.6	0.16	1.82	21.5							
8/13/2019	XX	GW205A3J1	0.008 U	62.3		0.112	14.4	0.913	1.84	22.1							
10/23/2019	XX	GW205A400	0.008 U	63.3		0.138	13.1	0.911	1.98	22.1							
205B																	
4/27/2000	XX	205BXX36643				0.02 U		0.756	0.97	11.06							
8/2/2000	XX	205BXX36740				0.231		1.39	1.03	9.11							
10/25/2000	XX	205BXX36824	0.008 U			0.377		2.36	0.96	9.4							
5/9/2001	XX	205BXX37020	0.008 U			0.623		0.68	1.49	20							
7/25/2001	XX	205BXX37097	0.008 U			0.35		2.75	1.15	9.6							
10/17/2001	XX	205BXX37181	0.01 U			0.363		5.66	1.45	11.6							
5/15/2002	XX	205BXX37391	0.01 U	111.8		0.607	36.7	0.89	2.047	21.4							
8/1/2002	XX	205BXX37469	0.021	88.2	0.01 U	0.553	44.6	6.3	1.56	10.7							
10/16/2002	XX	205BXX37545	0.01 U	116.1	0.011	0.63	60.9	9.33	1.78	10.5							
10/16/2002	XD	205BXX37468			0.01 U												
6/19/2003	XX	205BXX37791	0.005 U	110	0.003 U	0.41	40	3	1.9	12							
8/19/2003	XX	205BXX37852	0.005 U	76	0.011	0.47	35	5.3	1.8	9.5							
10/9/2003	XX	205BXX37903	0.005 U	79	0.003 U	0.36	34	5.3	1.7	10							
4/27/2004	XX	205BXX38104	0.005 U	67	0.0032	0.26	22	1.9	1.8	11							
8/12/2004	XX	205BXX38211	0.005 U	50	0.003 U	0.2	22	3.1	1.2	7.4							
10/14/2004	XX	205BXX38274	0.005 U	54	0.0058	0.3	24	3.3	1.3	7.3							
5/17/2005	XX	GW205B00C	0.005 U	110	0.003 U	0.22	30	0.65	1.8	16							
8/4/2005	XX	GW205B024	0.005 U	46	0.003	0.16	13	1.1	1.4	7.1							
10/27/2005	XX	GW205B03G	0.005 U	140	0.003 U	0.47	36	0.82	2.4	27							
5/9/2006	XX	GW205B08C	0.005 U	97	0.003 U	0.11	22	0.41	1.8	15							
7/25/2006	XX	GW205B070	0.005 U	49	0.003 U	0.08 B	11	0.13	1.2	7.4							
10/19/2006	XX	GW205B058	0.005 U	26	0.003 U	0.11	9.8	1	1 U	4.8							
5/14/2007	XX	GW205B0A4	0.009	86		0.091	22	0.21	2.1	17							
8/16/2007	XX	GW205B0BH	0.005 U	68		0.14	18	0.58	1.8	12							
10/25/2007	XX	GW205B0D9	0.005 U	57		0.1	15	0.61	1.3	9.2							
5/27/2008	XX	GW205B0FH	0.005 U	66		0.2	16	0.31	1.4	12							
5/27/2008	XD	GWDP2X0F3	0.005 U	63		0.18	16	0.2	1.4	12							
8/12/2008	XX	GW205B0HH	0.005 U	79		0.2	20	0.15	1.8	16							
10/16/2008	XX	GW205B0J5	0.005 U	46		0.09	12	0.2	1	8							
5/4/2009	XX	GW205B115	0.005 U	96		0.16	17	0.24	1.9	12							
8/5/2009	XX	GW205B135	0.005 U	120		0.15	17	0.14	1.7	14							
10/20/2009	XX	GW205B14D	0.005 U	35		0.062	8.8	0.19	1.2	6.1							
10/20/2009	XD	GWDP1X15E	0.005 U	36		0.071	9.1	0.19	1.3	6.3							
5/26/2010	XX	GW205B16E	0.005 U	63		0.043	11	0.065	1.6	7.5							
8/3/2010	XX	GW205B18F	0.005 U	53		0.034	11	0.19	1.6	7.4							
8/3/2010	XD	GWDP1X180	0.005 U	47		0.028	10	0.16	1.6	7.3							
10/13/2010	XX	GW205B1A3	0.005 U	33		0.096	9.6	0.66	1.1	5.9							
5/17/2011	XX	GW205B1E2	0.005 U	54		0.16	13	0.11	1.8	9.6							
8/9/2011	XX	GW205B1FD	0.0016 U	27		0.11	7.3	0.23	1.2	4.4							
11/3/2011	XX	GW205B1H4	0.0016 U	31		0.02	7.8	0.15	1.1	5.6							
5/16/2012	XX	GW205B1II	0.005 U	33		0.01 U	8.4	0.069	1.2	5.9							
8/16/2012	XX	GW205B20B	0.005 U	29		0.01 U	7.4	0.15	1.3	4.7							

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

(205B) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
10/30/2012	XX	GW205B225	0.005 U	54		0.032	13	0.31	2.2	9.4							
5/20/2013	XX	GW205B23J	0.005 U	30		0.063	6.8	0.3	1	4.2							
7/23/2013	XX	GW205B25D	0.005 U	35		0.027	7.7	0.13	1.4	5.3							
10/2/2013	XX	GW205B277	0.005 U	31		0.024	7.8	0.35	1.2	4.8							
6/3/2014	XX	GW205B291	0.008 U	55.6		0.1 U	13.4	0.451	1.19	8.2							
8/19/2014	XX	GW205B2AF	0.008 U	37.9		0.27	8.2	1.07	1 U	4.49							
11/12/2014	XX	GW205B2C9	0.008 U	44.2		0.1 U	11.5	0.305	1.19	6.55							
6/2/2015	XX	GW205B2E5	0.008 U	34.1		0.1 U	8.45	0.228	1 U	5.01							
9/2/2015	XX	GW205B2G0	0.008 U	29.4		0.1 U	8.39	0.534	1 U	4.21							
11/3/2015	XX	GW205B2HE	0.008 U	43.6		0.1 U	10.8	0.201	1.19	6.48							
6/14/2016	XX	GW205B314	0.008 U	33.2		0.1 U	7.57	0.127	1	4.57							
9/21/2016	XX	GW205B32I	0.008 U	23.8		0.164	6.86	0.737	1	4.47							
11/9/2016	XX	GW205B34C	0.008 U	25.8		0.179	6.98	0.94	1	3.84							
6/13/2017	XX	GW205B367	0.008 U	48.4		0.1 U	10.9	0.227	1.18	6.93							
8/30/2017	XX	GW205B381	0.008 U	30.1		0.1 U	6.89	0.232	1 U	4.09							
11/16/2017	XX	GW205B39F	0.008 U	48.2		0.1 U	11	0.145	1.3	6.46							
6/19/2018	XX	GW205B3BA	0.008 U	38.2		0.1 U	9.57	0.137	1.17	5.1							
8/14/2018	XX	GW205B3DJ	0.008 U	34		0.1 U	7.76	0.126	1 U	4.1							
11/27/2018	XX	GW205B3EI	0.008 U	50		0.1 U	11	0.0761	1.28	6.17							
6/4/2019	XX	GW205B3GD	0.008 U	58.5		0.1 U	13.5	0.14	1.24	9.01							
8/13/2019	XX	GW205B3J2	0.008 U	27.3		0.1 U	6.88	0.0924	1 U	3.64							
10/23/2019	XX	GW205B401	0.008 U	43		0.1 U	9.89	0.205	1.16	4.93							
206A																	
4/27/2000	XX	206AXX36643				8.51		3.92	49.8	23.2							
8/2/2000	XX	206AXX36740				29.14		7.66	103.5	52.47							
10/25/2000	XX	206AXX36824	0.236			28.38		6.92	116	58.7							
5/8/2001	XX	206AXX37019	0.176			21.58		5.1	83.8	39.7							
7/25/2001	XX	206AXX37097	0.237			37.5		7.95	119.3	56.9							
10/17/2001	XX	206AXX37181	0.267			35.92		5.64	110.6	58.2							
5/16/2002	XX	206AXX37392	0.051	88.6		15.64	144.8	7.88	70.1	34.4							
8/1/2002	XX	206AXX37469	0.19	107.6	0.01 U	31.32	215.8	6.98	90.2	48.8							
10/17/2002	XX	206AXX37546	0.45	121.6	0.01 U	40.36	275.2	6.22	115.2	57.6							
6/19/2003	XX	206AXX37791	0.24	88	0.003 U	25	190	6	81	44							
8/18/2003	XX	206AXX37851	0.22	92	0.012	27	190	6.5	79	45							
10/13/2003	XX	206AXX37907	0.21	89	0.003 U	24	180	5.2	84	44							
4/29/2004	XX	206AXX38106	0.2	89	0.003 U	27	220	6.7	91	41							
8/16/2004	XX	206AXX38215	0.18	120	0.0037	42	250	7.9	110	53							
10/12/2004	XX	206AXX38272	0.25	120	0.003 U	37	250	6.7	96	49							
5/17/2005	XX	GW206A00D	0.17	88	0.003 U	31	190	6	84	36							
8/15/2005	XX	GW206A025	0.25	120	0.003 U	37	230	7.9	110	51							
10/24/2005	XX	GW206A03H	0.26	110	0.003 U	33	210	6.6	86	48							
5/11/2006	XX	GW206A08D	0.21	130	0.003 U	32	290	8.4	110	51							
7/26/2006	XX	GW206A071	0.2	100	0.003 U	35 B	120	9	100	39							
10/23/2006	XX	GW206A059	0.24	92	0.003 U	34 B	190	6	90	38							
5/14/2007	XX	GW206A0A5	0.2	94		33	180	6.6	170	41							
5/14/2007	XD	GWDP2X0EB	0.19	92		31	170	6.3	100	39							
8/16/2007	XX	GW206A0BI	0.25	47		16	86	2.9	35	16							
10/29/2007	XX	GW206A0DA	0.26	140		48	270	8.2	120	49							
5/27/2008	XX	GW206A0FI	0.19	110		33	180	8.3	100	39							

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

(206A)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
5/27/2008	XD	GWDP1X0F2	0.18	91		30	170	7.5	88	34							
8/13/2008	XX	GW206A0HI	0.17	85		29	140	5.6	76	30							
10/20/2008	XX	GW206A0J6	0.23	100		38	170	8.4	93	36							
5/5/2009	XX	GW206A116	0.17	99		33	160	6.3	92	30							
8/6/2009	XX	GW206A136	0.16	110		48	230	7.5	110	26							
8/6/2009	XD	GWDP2X12B	0.15	140		38	230	8.9	130	24							
10/21/2009	XX	GW206A14E	0.23	99		36	160	5.8	91	34							
5/27/2010	XX	GW206A16F	0.12	85		29	120	7.2	82	26							
8/3/2010	XX	GW206A18G	0.28	110		39	180	6.2	82	34							
10/13/2010	XX	GW206A1A4	0.18	65		26	110	3.9	66	24							
10/13/2010	XD	GWDP1X1B4	0.2	71		28	120	4.2	71	23							
5/17/2011	XX	GW206A1E3	0.12	70		21	110	4.1	58	20							
8/9/2011	XX	GW206A1FE	0.25	110		45	180	6.2	98	37							
11/3/2011	XX	GW206A1H5	0.24	85		31	140	4	89	30							
5/16/2012	XX	GW206A1IJ	0.18	72		28	120	4.2	72	24							
8/15/2012	XX	GW206A20C	0.25	98		37	170	5.5	81	34							
10/30/2012	XX	GW206A226	0.21	93		27	140	4	86	30							
5/20/2013	XX	GW206A240	0.19	82		32	130	3.9	70	25							
7/23/2013	XX	GW206A25E	0.19	73		27	100	3.5	68	24							
10/2/2013	XX	GW206A278	0.27	97		38	150	4.1	77	28							
6/3/2014	XX	GW206A292	0.062	54.9		15.8	79.7	2.04	66.5	19.3							
8/20/2014	XX	GW206A2AG	0.333	126		44.4	177	4.69	97.7	35.6							
11/11/2014	XX	GW206A2CA	0.039	17.2		2.84	15.6	0.52	14	4.28							
6/2/2015	XX	GW206A2E6	0.224	82.6		30	132	3.3	82.5	26.5							
9/2/2015	XX	GW206A2G1	0.302	122		44.1	190	4.08	108	38.3							
11/3/2015	XX	GW206A2HF	0.059	38.6		7.09	51.1	1.6	47.6	13.8							
6/15/2016	XX	GW206A315	0.231	93.4		39.5	136	4.03	81.4	25.8							
9/21/2016	XX	GW206A32J	0.324	121		47.6	193	4.72	103	37.5							
11/9/2016	XX	GW206A34D	0.323	146		52.2	212	5.4	132	51.2							
6/13/2017	XX	GW206A368	0.177	89.6		29.9	135	3.69	81.9	26.5							
8/30/2017	XX	GW206A382	0.308	124		44.9	188	4.75	100	37.7							
11/15/2017	XX	GW206A39G	0.291	129		41.8	218	3.97	115	42.8							
6/19/2018	XX	GW206A3BB	0.252	91.3		35.8	154	4.08	82.5	26.9							
8/14/2018	XX	GW206A3E0	0.251	120		43	179	4.33	99.8	35.2							
11/27/2018	XX	GW206A3EJ	0.177	91.7		26.1	133	2.67	92.6	30.8							
6/4/2019	XX	GW206A3GE	0.122	70.5		19.6	106	2.62	66.2	20.1							
8/13/2019	XX	GW206A3J3	0.309	111		45.4	179	3.95	101	33.9							
10/23/2019	XX	GW206A402	0.316	147		49.2	232	4.19	129	44.3							
206B																	
4/27/2000	XX	206BXX36643				0.02 U		0.12	3.18	2.42							
8/2/2000	XX	206BXX36740				D		D	D	D							
10/25/2000	XX	206BXX36824				D		D	D	D							
5/8/2001	XX	206BXX37019	0.008 U			0.171		0.01	3.03	1.9							
7/25/2001	XX	206BXX37097	D			D		D	D	D							
10/17/2001	XX	206BXX37181	D			D		D	D	D							
5/16/2002	XX	206BXX37392	0.01 U	6.1		0.166	7.9	0.03	3.964	4.2							
7/29/2002	XX	206BXX37466	D	D		D	D	D	D	D							
10/15/2002	XX	206BXX37544	D	D		D	D	D	D	D							
6/17/2003	XX	206BXX37789	0.005 U	16		0.24	12	0.03	5.4	4.4							

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

(206B)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
8/18/2003	XX	206BXX37851	0.005 U	13		0.22	8.6	0.04	4	3.9							
10/13/2003	XX	206BXX37907	0.005 U	9.2		0.087	5.6	0.018	3.8	3.5							
4/29/2004	XX	206BXX38106	0.005 U	17		0.082	11	0.011	4.6	3.3							
8/16/2004	XX	206BXX38215	D	D		D	D	D	D	D							
10/12/2004	XX	206BXX38272	D	D		D	D	D	D	D							
5/17/2005	XX	GW206B00E	0.005 U	13		0.04	8.8	0.01 U	3.9	2.9							
8/15/2005	XX	GW206B026	D	D		D	D	D	D	D							
10/24/2005	XX	GW206B03I	0.005 U	8.4		0.08	2.7	0.01	3.9	4							
5/11/2006	XX	GW206B08E	0.005 U	14		0.03	8.1	0.01	5	2.5							
7/26/2006	XX	GW206B072	0.005 U	16		1.5 B	9.4	0.06	6.1	2.6							
10/23/2006	XX	GW206B05A	0.005 U	9.7		0.07	3.1	0.01	4	2.4							
5/14/2007	XX	GW206B0A6	0.005 U	17		0.34	9.7	0.022	6.4	3.1							
8/16/2007	XX	GW206B0BJ	D	D		D	D	D	D	D							
10/29/2007	XX	GW206B0DB	D	D		D	D	D	D	D							
5/27/2008	XX	GW206B0FJ	D	D		D	D	D	D	D							
8/13/2008	XX	GW206B0HJ	0.005 U	17		0.06	8.7	0.02	7	2.8							
10/20/2008	XX	GW206B0J7	D	D		D	D	D	D	D							
5/5/2009	XX	GW206B117	0.005 U	17		0.09	8.4	0.013	5.7	2.5							
8/6/2009	XX	GW206B137	0.005 U	15		0.039	7	0.01 U	5.8	2.2							
10/21/2009	XX	GW206B14F	0.005 U	19		0.29	9.1	0.062	7.5	2.8							
5/27/2010	XX	GW206B16G	D	D		D	D	D	D	D							
8/3/2010	XX	GW206B18H	D	D		D	D	D	D	D							
10/13/2010	XX	GW206B1A5	0.005 U	10		0.54	2.6	0.065	4.7	1.1							
5/17/2011	XX	GW206B1E4	0.005 U	9		0.02	1.4	0.01 U	3.6	1.3							
8/9/2011	XX	GW206B1FF	D	D		D	D	D	D	D							
11/4/2011	XX	GW206B1H6	0.0016 U	16		0.032	6.6	0.013	6.1	2.1							
5/16/2012	XX	GW206B1J0	0.005 U	12		0.014	3.1	0.01 U	4	1.7							
8/15/2012	XX	GW206B20D	I	I		I	I	I	I	I							
10/30/2012	XX	GW206B227	0.005 U	15		0.064	4.3	0.036	5.2	1.8							
5/20/2013	XX	GW206B241	0.005 U	8.6		0.18	3.3	0.03	3	1 U							
7/24/2013	XX	GW206B25F	0.005 U	15		0.41	5.9	0.051	5.6	1.6							
10/2/2013	XX	GW206B279	0.005 U	14		0.41	5.6	0.05	5.8	1.6							
6/3/2014	XX	GW206B293	0.008 U	18.3		0.174	7.33	0.0144	5.85	1.97							
8/20/2014	XX	GW206B2AH	D	D		D	D	D	D	D							
11/11/2014	XX	GW206B2CB	0.008 U	7.48		0.243	1.69	0.0178	3.5	2.45							
6/2/2015	XX	GW206B2E7	0.008 U	9.95		0.439	2.64	0.036	3.32	1.05							
9/2/2015	XX	GW206B2G2	I	I		I	I	I	I	I							
11/3/2015	XX	GW206B2HG	0.008 U	10		0.1 U	2	0.015	3.73	2.34							
6/15/2016	XX	GW206B316	0.008 U	14		0.362	5.69	0.042	5.2	1.51							
9/21/2016	XX	GW206B330	D	D		D	D	D	D	D							
11/9/2016	XX	GW206B34E	D	D		D	D	D	D	D							
6/13/2017	XX	GW206B369	0.008 U	13.4		0.1 U	4.51	0.009	4.73	1.55							
8/30/2017	XX	GW206B383	I	I		I	I	I	I	I							
11/15/2017	XX	GW206B39H	0.008 U	18.5		0.35	7.06	0.0368	6.5	2.1							
6/19/2018	XX	GW206B3BC	0.008 U	16.3		0.374	6.89	0.0924	5.51	1.9							
8/14/2018	XX	GW206B3E1	I	I		I	I	I	I	I							
11/27/2018	XX	GW206B3F0	0.008 U	10.5		0.192	2.03	0.0161	3.56	1.42							
6/4/2019	XX	GW206B3GF	0.008 U	14.4		0.1 U	4.12	0.0182	4.2	1.54							
8/13/2019	XX	GW206B3J4	0.008 U	15.3		2.43	6.24	0.194	5.56	1.93							
10/23/2019	XX	GW206B403	D	D		D	D	D	D	D							

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

(301)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L
301										
5/3/2000	XX	301XX36649				0.02 U		0.128	0.98	5.93
8/9/2000	XX	301XX36747				0.051		0.38	1.29	6.94
11/8/2000	XX	301XX36838	0.008 U			0.049		0.21	1.07	6.4
5/16/2001	XX	301XX37027	0.008 U			0.02 U		0.77	1.19	8.2
7/31/2001	XX	301XX37103	0.008 U			0.037		0.77	1.18	8.5
10/23/2001	XX	301XX37187	0.008 U			0.02 U		0.94	1.66	11
5/21/2002	XX	301XX37397	0.01 U	41.9		0.043	9	0.93	1.449	10.6
8/2/2002	XX	301XX37470	0.01 U	44.1	0.01 U	0.038	9.1	0.7	1.45	10.7
10/23/2002	XX	301XX37552	0.01 U	67.7	0.01 U	0.047	9	0.63	1.83	10.1
6/24/2003	XX	301XX37796	0.005 U	110	0.003 U	0.042	11	0.74	1.7	11
8/12/2003	XX	301XX37845	0.005 U	110	0.009	0.03	11	0.4	1.9	12
10/16/2003	XX	301XX37910	0.005 U	110	0.003 U	0.089	11	0.43	1.9	12
5/5/2004	XX	301XX38112	0.005 U	120	0.003 U	0.029	13	0.21	2.2	15
8/9/2004	XX	301XX38208	0.005 U	110	0.0043	0.041	12	0.034	1.9	14
10/20/2004	XX	301XX38280	0.005 U	110	0.003 U	0.048	13	0.64	2.3	18
5/11/2005	XX	GW301X00F	0.005 U	120	0.003	0.1	14	0.47	1.7	16
7/27/2005	XX	GW301X027	0.005 U	140	0.003 U	0.05	14	0.47	2.4	19
11/7/2005	XX	GW301X03J	0.005 U	150	0.003 U	0.03	14	0.32	2.8	18
5/1/2006	XX	GW301X08F	0.005 U	150	0.006 B	0.03	18	0.72	2.1	24
7/31/2006	XX	GW301X073	0.005 U	170	0.007 B	0.05 B	18	0.78	3.6	29
10/26/2006	XX	GW301X05B	0.005 U	130	0.003 U	0.05 B	17	0.52	3.5	26
5/9/2007	XX	GW301X0A7	0.005 U	170		0.09	18	0.67	2.5	26
8/9/2007	XX	GW301X0C0	0.005 U	190		0.087	20	0.68	3.9	31
10/30/2007	XX	GW301X0DC	0.005 U	220		0.076	29	0.85	2.5	31
10/30/2007	XD	GWDP3X0F0	0.005 U	220		0.066	29	0.84	2.5	30
6/3/2008	XX	GW301X0G0	0.005 U	220		0.17	30	1.1	4.5	29
8/14/2008	XX	GW301X0I0	0.005 U	190		0.1	22	0.82	2.3	25
8/14/2008	XD	GWDP3X0H4	0.005 U	210		0.11	24	0.86	2.5	27
10/21/2008	XX	GW301X0J8	0.005 U	270		0.2	27	1.1	4.4	27
5/11/2009	XX	GW301X118	0.005 U	260		0.4	28	1.2	2.2	28
8/10/2009	XX	GW301X138	0.005 U	320		0.2	26	0.85	2.4	27
10/22/2009	XX	GW301X14G	0.005 U	230		0.15	28	0.83	4.2	29
10/22/2009	XD	GWDP3X15G	0.005 U	280		0.15	27	0.83	4.1	28
6/1/2010	XX	GW301X16H	0.005 U	240		0.22	28	0.56	3.9	28
8/5/2010	XX	GW301X18I	0.005 U	260		0.11	28	0.55	4.2	28
10/18/2010	XX	GW301X1A6	0.005 U	200		0.43	29	0.92	2.8	30
5/18/2011	XX	GW301X1D9	0.005 U	230		0.13	34	0.56	4.1	28
8/9/2011	XX	GW301X1F0	0.0016 U	240		0.093	32	0.55	4.1	30
11/2/2011	XX	GW301X1GB	0.0016 U	210		0.24	32	0.53	4.6	30
5/15/2012	XX	GW301X1I5	0.005 U	220		0.26	32	0.48	4.4	27
8/14/2012	XX	GW301X1JI	0.005 U	200		0.14	29	0.4	4.4	30
10/30/2012	XX	GW301X21C	0.005 U	260		0.15	34	0.43	5.4	31
5/22/2013	XX	GW301X236	0.005 U	240		0.24	34	0.49	4.5	27
7/25/2013	XX	GW301X250	0.005 U	260		0.54	40	0.95	5.8	37
10/1/2013	XX	GW301X26E	0.005 U	240		0.83	35	0.47	4.6	31
6/4/2014	XX	GW301X288	0.008 U	290		0.565	47.9	1.1	2.74	40
8/20/2014	XX	GW301X2A2	0.008 U	321		0.423	49.9	0.91	3.14	45.1
11/11/2014	XX	GW301X2BG	0.008 U	270		0.179	43.3	0.496	2.98	38.7

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

(301) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
6/3/2015	XX	GW301X2DC	0.008 U	276		0.209	45.7	0.572	2.55	37.5							
9/1/2015	XX	GW301X2F7	0.008 U	318		0.216	57.4	0.692	3.33	56.7							
11/4/2015	XX	GW301X2H1	0.008 U	292		0.137	49.2	0.521	3.1	44.4							
6/15/2016	XX	GW301X30B	0.008 U	290		0.101	55.8	0.625	2.8	51.4							
9/20/2016	XX	GW301X325	0.008 U	290		0.136	59.8	0.58	3	60.7							
11/10/2016	XX	GW301X33J	0.008 U	296		0.302	64.6	0.761	3.1	62.9							
6/14/2017	XX	GW301X35E	0.008 U	328		0.161	64.4	0.48	3.2	60.8							
8/29/2017	XX	GW301X378	0.008 U	305		0.1 U	61.8	0.481	3.19	65.5							
11/14/2017	XX	GW301X392	0.008 U	286		0.1 U	57	0.306	3	58.6							
6/19/2018	XX	GW301X3AH	0.008 U	268		0.161	73.8	0.57	2.86	65.4							
8/14/2018	XX	GW301X3D6	0.008 U	297		0.163	66.6	0.468	3.08	67.3							
11/28/2018	XX	GW301X3E5	0.008 U	313		0.349	64.6	0.35	3.18	64.4							
6/5/2019	XX	GW301X3G0	0.008 U	288		0.197	77.8	0.709	2.85	72.6							
8/13/2019	XX	GW301X3I9	0.008 U	269		0.106	79.4	0.597	3.2	82.3							
10/23/2019	XX	GW301X3J8	0.008 U	282		0.166	77	0.631	3.2	80.8							
302B																	
5/3/2000	XX	302BXX36649				0.02 U		1.118	1.16	7.03							
8/9/2000	XX	302BXX36747				0.069		1.87	1.41	7.07							
11/8/2000	XX	302BXX36838	0.008 U			0.202		1.54	1.3	6.5							
5/16/2001	XX	302BXX37027	0.008 U			0.021		1.88	1.24	7.1							
7/31/2001	XX	302BXX37103	0.008 U			0.039		1.42	1.54	7.5							
10/23/2001	XX	302BXX37187	0.008 U			0.149		1.15	1.53	7.3							
5/21/2002	XX	302BXX37397	0.01 U	92		0.039	7.3	3.32	1.48	11.3							
8/7/2002	XX	302BXX37475	0.01 U	100.8	0.01 U	0.02 U	8.9	2.68	1.45	9.7							
10/23/2002	XX	302BXX37552	0.012	82.2	0.01 U	0.063	9.8	1.36	1.63	8.1							
6/23/2003	XX	302BXX37795	0.005 U	160	0.003 U	0.012	14	4.7	2.2	18							
8/12/2003	XX	302BXX37845	0.005 U	130	0.02	0.034	11	3.7	1.8	13							
10/20/2003	XX	302BXX37914	0.005 U	160	0.007	0.021	15	4.8	2.4	22							
5/4/2004	XX	302BXX38111	0.005 U	180	0.0035	0.036	21	6.2	3.8	26							
8/5/2004	XX	302BXX38204	0.005 U	160	0.0044	0.064	14	9.5	2.3	19							
10/20/2004	XX	302BXX38280	0.005 U	170	0.003 U	0.028	16	4.1	2.8	20							
5/11/2005	XX	GW302B00G	0.005 U	170	0.004	0.02	17	8.1	2	25							
7/27/2005	XX	GW302B028	0.005 U	200	0.003 U	0.01	17	6.3	2.7	26							
11/7/2005	XX	GW302B040	0.005 U	180	0.003 U	0.13	17	7.8	3.4	26							
5/1/2006	XX	GW302B08G	0.005 U	220	0.009 B	0.02	21	9.7	2.2	34							
7/31/2006	XX	GW302B074	0.005 U	210	0.006 B	0.03 B	26	11	3.7	35							
10/25/2006	XX	GW302B05C	0.005 U	220	0.003 U	0.02	18	9	3.1	27							
5/9/2007	XX	GW302B0A8	0.005 U	180		0.017	19	7.4	2.8	38							
8/9/2007	XX	GW302B0C1	0.005 U	190		0.031	19	1.6	3.7	31							
10/30/2007	XX	GW302B0DD	0.005 U	220		0.03	19	11	2	29							
6/2/2008	XX	GW302B0G1	0.005 U	170		0.019	25	13	3.7	31							
8/14/2008	XX	GW302B0I1	0.005 U	190		0.02	23	14	2	34							
10/21/2008	XX	GW302B0J9	0.005 U	220		0.03	22	16	3.2	27							
10/21/2008	XD	GWDP3X108	0.005 U	230		0.02	22	16	3.3	28							
5/11/2009	XX	GW302B119	0.005 U	230		0.21	36	24	1.8	39							
8/10/2009	XX	GW302B139	0.005 U	230		0.019	23	16	1.7	31							
8/10/2009	XD	GWDP3X12C	0.005 U	230		0.012	25	17	3.2	35							
10/22/2009	XX	GW302B14H	0.005 U	170		0.014	23	9.2	3.3	29							
6/1/2010	XX	GW302B16I	0.005 U	200		0.011	26	15	3.2	31							

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

(302B) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
8/4/2010	XX	GW302B18J	0.005 U	190		0.013	23	13	3.1	30							
10/14/2010	XX	GW302B1A7	0.005 U	160		0.033	21	13	2	31							
5/18/2011	XX	GW302B1DA	0.005 U	150		0.024	34	17	3.3	38							
8/8/2011	XX	GW302B1F1	0.0016 U	90		0.01	18	14	1.6	20							
11/1/2011	XX	GW302B1GC	0.0016 U	200		0.022	36	20	4.3	43							
5/15/2012	XX	GW302B1I6	0.005 U	190		0.01	39	21	4	40							
8/16/2012	XX	GW302B1JJ	0.005 U	160		0.01 U	34	14	4.2	40							
10/30/2012	XX	GW302B21D	0.005 U	220		0.12	34	20	4.7	42							
5/21/2013	XX	GW302B237	0.005 U	120		0.017	27	16	2.5	27							
7/25/2013	XX	GW302B251	0.005 U	200		0.02	41	22	4.6	43							
10/1/2013	XX	GW302B26F	0.005 U	200		0.015	38	22	4	43							
6/3/2014	XX	GW302B289	0.008 U	193		0.1 U	41.9	22.3	2.01	43.1							
8/20/2014	XX	GW302B2A3	0.008 U	223		0.1 U	38.8	23.8	2.1	42.6							
11/11/2014	XX	GW302B2BH	0.008 U	200		0.1 U	34.8	19.9	2.19	40.7							
6/3/2015	XX	GW302B2DD	0.008 U	206		0.1 U	47.7	27.9	2.16	44							
9/1/2015	XX	GW302B2F8	0.008 U	230		0.1 U	47.4	28.7	2.5	51.3							
11/4/2015	XX	GW302B2H2	0.02 U	224		0.2 U	45.2	25.6	2.51	49.2							
6/15/2016	XX	GW302B30C	0.008 U	220		0.1 U	52.3	30.6	2.7	50.7							
9/21/2016	XX	GW302B326	0.008 U	198		0.1 U	44.3	24.6	2.5	44.5							
11/8/2016	XX	GW302B340	0.008 U	213		0.1 U	42.1	19.7	2.6	43.5							
6/13/2017	XX	GW302B35F	0.008 U	217		0.146	53.6	33.8	2.88	54.6							
8/29/2017	XX	GW302B379	0.008 U	212		0.1 U	46.3	24.6	2.79	50							
11/14/2017	XX	GW302B393	0.008 U	219		0.1 U	46.5	28	2.9	52.6							
6/19/2018	XX	GW302B3AI	0.008 U	203		0.151	60.8	35.6	3.37	55.8							
8/14/2018	XX	GW302B3D7	0.008 U	209		0.1 U	51.5	30.6	3.41	51.1							
11/28/2018	XX	GW302B3E6	0.008 U	224		0.1 U	47.4	27.6	3.4	53.5							
6/5/2019	XX	GW302B3G1	0.008 U	230		0.1 U	63.6	35.5	4.22	61.1							
8/13/2019	XX	GW302B3IA	0.008 U	234		0.1 U	67.7	39.8	5.06	65.2							
10/23/2019	XX	GW302B3J9	0.008 U	247		0.1 U	59.3	37.5	4.85	60.6							
302C																	
5/3/2000	XX	302CXX36649				0.02 U		0.171	1.19	6.98							
8/9/2000	XX	302CXX36747				1.039		0.62	1.6	9.74							
11/8/2000	XX	302CXX36838	0.008 U			0.873		0.51	1.32	7.7							
5/16/2001	XX	302CXX37027	0.008 U			0.534		0.45	1.42	9.9							
7/31/2001	XX	302CXX37103	0.008 U			2.442		1.03	1.51	8.8							
10/23/2001	XX	302CXX37187	0.008 U			1.818		1.01	1.81	9.8							
5/21/2002	XX	302CXX37397	0.01 U	93.3		0.037	9.2	0.59	1.454	11.7							
8/7/2002	XX	302CXX37475	0.01 U	90.4	0.01 U	1.365	13.9	0.97	1.85	16.4							
10/23/2002	XX	302CXX37552	0.012	94.7	0.01 U	1.069	15.3	0.76	2.28	16.1							
6/23/2003	XX	302CXX37795	0.005 U	120	0.004	0.38	18	2.2	2.3	20							
8/12/2003	XX	302CXX37845	0.005 U	170	0.015	0.95	24	2.3	3.4	29							
10/20/2003	XX	302CXX37914	0.005 U	110	0.006	0.26	17	2.7	2.6	23							
5/4/2004	XX	302CXX38111	0.005 U	130	0.0056	0.26	22	4.1	3.5	25							
8/5/2004	XX	302CXX38204	0.005 U	240	0.0058	1.2	22	8	2.9	47							
10/20/2004	XX	302CXX38280	0.005 U	140	0.003 U	2.3	18	3.8	2.7	24							
5/11/2005	XX	GW302C00H	0.005 U	120	0.005	0.08	23	5.9	2	28							
7/27/2005	XX	GW302C029	0.005 U	180	0.003 U	1.6	30	8.2	3.2	34							
11/7/2005	XX	GW302C041	0.005 U	150	0.003	0.4	29	9.8	3.5	33							
5/1/2006	XX	GW302C08H	0.005 U	160	0.01 B	0.41	35	13	2.1	38							

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

(302C)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
7/31/2006	XX	GW302C075	0.005 U	190	0.004 B	1.2 B	34	15	4.4	41							
10/25/2006	XX	GW302C05D	0.005 U	120	0.003 U	0.28	20	11	2.5	38							
5/9/2007	XX	GW302C0A9	0.005 U	130		0.21	30	14	2.7	36							
8/9/2007	XX	GW302C0C2	0.005 U	160		2.3	22	12	3.4	32							
8/9/2007	XD	GWDP3X0EG	0.005 U	160		2.2	21	12	3.5	30							
10/30/2007	XX	GW302C0DE	0.005 U	160		0.86	31	17	2.1	34							
6/2/2008	XX	GW302C0G2	0.005 U	180		1	37	20	4	38							
6/2/2008	XD	GWDP3X0F4	0.005 U	170		1	35	19	3.9	36							
8/14/2008	XX	GW302C0I2	0.005 U	140		0.21	29	18	2	38							
10/21/2008	XX	GW302C0JA	0.005 U	190		1.2	27	22	3.8	33							
5/11/2009	XX	GW302C11A	0.005 U	160		0.21	35	25	1.8	38							
8/10/2009	XX	GW302C13A	0.005 U	140		0.18	32	21	1.9	37							
10/22/2009	XX	GW302C14I	0.005 U	140		0.64	26	19	3.3	30							
6/1/2010	XX	GWXXXX17F	0.005 U	210		0.7	31	28	3.2	33							
6/1/2010	XD	GWDP3X161	0.005 U	220		0.72	31	30	3.2	34							
8/4/2010	XX	GW302C190	0.005 U	150		0.83	27	20	3.2	31							
10/14/2010	XX	GW302C1A8	0.005 U	130		0.4	31	19	2	36							
5/18/2011	XX	GW302C1DB	0.005 U	72		0.049	24	11	1.9	23							
5/18/2011	XD	GWXXXX1EH	0.005 U	72		0.045	23	11	1.9	22							
8/8/2011	XX	GW302C1F2	0.0016 U	150		0.6	38	25	3	41							
11/1/2011	XX	GW302C1GD	0.0016 U	150		0.17	44	25	4	42							
11/1/2011	XD	GWDP1X1HI	0.0016 U	160		0.19	47	27	4.3	46							
5/15/2012	XX	GW302C1I7	0.005 U	100		0.096	32	18	2.6	26							
5/15/2012	XD	GWDP2X1JD	0.005 U	98		0.11	31	18	2.6	27							
8/16/2012	XX	GW302C200	0.005 U	160		0.68	45	30	4.8	47							
8/16/2012	XD	GWDP2X216	0.005 U	170		0.69	47	30	4.6	50							
10/30/2012	XX	GW302C21E	0.005 U	180		0.03	49	28	5	46							
10/30/2012	XD	GWDP3X231	0.005 U	160		0.32	47	28	4.6	44							
5/21/2013	XX	GW302C238	0.005 U	180		0.42	49	30	4.3	45							
7/25/2013	XX	GW302C252	0.005 U	180		0.56	48	31	5	48							
7/25/2013	XD	GWDP1X267	0.005 U	180		0.51	47	30	5.1	46							
10/1/2013	XX	GW302C26G	0.005 U	170		0.49	47	29	4.3	46							
10/1/2013	XD	GWDP1X281	0.005 U	170		0.49	45	28	4.2	45							
6/3/2014	XX	GW302C28A	0.008 U	173		0.505	49.3	29.9	2.17	44.6							
8/20/2014	XX	GW302C2A4	0.008 U	165		0.702	39.6	28.8	2.26	39							
8/20/2014	XD	GWDP3X2BB	0.008 U	158		0.684	38.1	29.1	2.16	37.5							
11/11/2014	XX	GW302C2BI	0.008 U	155		0.192	50.3	35.8	2.81	45.9							
11/11/2014	XD	GWDP1X2D3	0.008 U	153		0.175	50.3	36.3	2.79	45.7							
6/3/2015	XX	GW302C2DE	0.008 U	159		0.229	57	42	2.69	43.9							
9/1/2015	XX	GW302C2F9	0.008 U	168		0.534	47.7	31.5	2.72	47.3							
9/1/2015	XD	GWDP3X2GG	0.008 U	158		0.488	44.2	29.6	2.6	44.8							
11/4/2015	XX	GW302C2H3	0.02 U	170		0.2 U	58.8	39.2	3.62	51.6							
11/4/2015	XD	GWDP1X2I8	0.02 U	176		0.2 U	60.6	40.4	3.68	54							
6/15/2016	XX	GW302C30D	0.008 U	196		0.606	58.7	36.6	3.1	54							
9/21/2016	XD	GWDP3X33E	0.008 U	157		0.724	46.4	32.8	2.8	47.3							
9/21/2016	XX	GW302C327	0.008 U	152		0.705	44.8	33	2.8	45.9							
11/8/2016	XD	GWDP1X356	0.008 U	180		0.752	45.2	37.4	3.6	44.1							
11/8/2016	XX	GW302C341	0.008 U	192		0.796	46.9	40	3.8	44							
6/13/2017	XX	GW302C35G	0.008 U	191		0.444	61	43.6	3.99	56.4							
8/29/2017	XD	GWDP3X38H	0.008 U	169		0.68	48.9	34.6	3.23	51.3							

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

(302C)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
8/29/2017	XX	GW302C37A	0.008 U	170		0.687	48.9	34.8	3.23	51.6							
11/14/2017	XD	GWDP1X3A9	0.008 U	144		0.242	50.5	37	5.8	48.1							
11/14/2017	XX	GW302C394	0.008 U	150		0.251	52.4	37.8	6	50.1							
6/19/2018	XX	GW302C3AJ	0.008 U	184		0.572	68.8	45.3	5.06	57.6							
8/14/2018	XD	GWDP3X3D1	0.008 U	172		0.575	54.6	36.4	5.56	52.7							
8/14/2018	XX	GW302C3D8	0.008 U	176		0.585	53.3	36	5.72	53.7							
11/28/2018	XD	GWDP1X3FC	0.008 U	191		0.22	71.8	53	10.7	61.8							
11/28/2018	XX	GW302C3E7	0.008 U	188		0.223	69.5	50.5	10.5	60.8							
6/5/2019	XX	GW302C3G2	0.008 U	185		0.167	74	55	11.4	60.7							
8/13/2019	XD	GWDP3X3I4	0.008 U	178		1	62.1	0.01 U	4.25	56.9							
8/13/2019	XX	GW302C3IB	0.008 U	187		1.11	65.2	44.7	4.49	60.1							
10/23/2019	XX	GW302C3JA	0.008 U	173		0.673	55.7	41.3	4.75	51.6							
10/23/2019	XD	GWDP1X40F	0.008 U	178		0.598	60.1	44.9	8.28	55.2							
303A																	
4/27/2000	XX	303AXX36643				0.071		8.8	38	31.88							
8/2/2000	XX	303AXX36740				0.634		10.06	41.1	29.21							
10/25/2000	XX	303AXX36824	0.008 U			0.579		15.36	54.6	48							
5/9/2001	XX	303AXX37020	0.008 U			0.023		17.73	60.5	54.3							
7/25/2001	XX	303AXX37097	0.008 U			0.942		11.91	47.1	37.8							
10/17/2001	XX	303AXX37181	0.01 U			0.02 U		17.34	67.1	53.1							
5/16/2002	XX	303AXX37392	0.01 U	125.7		0.25	125.1	11.61	50.48	34							
8/1/2002	XX	303AXX37469	0.022	130.4	0.01 U	0.316	97.8	9.36	44.4	30.7							
10/17/2002	XX	303AXX37546	0.01 U	142.6	0.01 U	0.158	123.2	11.67	48.2	32.6							
6/23/2003	XX	303AXX37795	0.005 U	120	0.003	0.42	98	9.7	39	30							
8/19/2003	XX	303AXX37852	0.005 U	140	0.013	0.49	110	11	52	37							
10/14/2003	XX	303AXX37908	0.005 U	180	0.003 U	0.15	130	12	53	42							
5/3/2004	XX	303AXX38110	0.005 U	170	0.003 U	0.84	140	13	56	39							
8/17/2004	XX	303AXX38216	0.005 U	150	0.0036	0.016	150	14	52	37							
10/19/2004	XX	303AXX38279	0.005 U	160	0.0043	0.2	190	16	71	43							
5/18/2005	XX	GW303A00I	0.005 U	150	0.003 U	0.09	160	13	62	40							
8/15/2005	XX	GW303A02A	0.005 U	120	0.003 U	0.26	100	10	57	30							
11/3/2005	XX	GW303A042	0.005 U	140	0.007	0.08	150	14	71	40							
5/11/2006	XX	GW303A08I	0.005 U	110	0.005 B	0.05	100	12	47	26							
7/26/2006	XX	GW303A076	0.005 U	100	0.003 U	0.19 B	94	11	46	26							
10/24/2006	XX	GW303A05E	0.005 U	96	0.005	0.25 B	97	15	47	26							
5/15/2007	XX	GW303A0AA	0.005 U	100		0.084	100	12	50	36							
8/15/2007	XX	GW303A0C3	0.005 U	94		0.3	75	9.8	34	20							
8/15/2007	XD	GWDP2X0EF	0.005 U	94		0.29	75	9.9	34	20							
10/29/2007	XX	GW303A0DF	0.005 U	140		0.22	160	21	62	36							
6/2/2008	XX	GW303A0G3	0.005 U	100		0.48	96	12	43	28							
8/13/2008	XX	GW303A0I3	0.005 U	73		0.42	63	9.8	35	19							
10/20/2008	XX	GW303A0JB	0.005 U	81		0.56	66	9.9	34	18							
5/5/2009	XX	GW303A11B	0.005 U	130		0.3	110	17	48	24							
8/6/2009	XX	GW303A13B	0.005 U	110		0.39	91	14	34	17							
10/21/2009	XX	GW303A14J	0.005 U	72		0.67	50	8.8	32	17							
5/27/2010	XX	GW303A170	0.005 U	91		0.51	74	12	41	16							
8/4/2010	XX	GW303A191	0.005 U	87		0.35	76	13	40	16							
10/14/2010	XX	GW303A1A9	0.005 U	95		2.3	73	13	33	23							
5/17/2011	XX	GW303A1E5	0.005 U	75		0.89	57	9.4	31	17							

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

(303A)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
8/9/2011	XX	GW303A1FG	0.0016 U	53		0.062	43	8.2	28	12							
11/3/2011	XX	GW303A1H7	0.0016 U	64		0.023	68	12	33	17							
5/17/2012	XX	GW303A1J1	0.005 U	73		0.013	64	11	32	18							
8/15/2012	XX	GW303A20E	0.005 U	68		0.52	56	9.8	28	15							
11/1/2012	XX	GW303A228	0.005 U	77		0.066	76	15	44	20							
5/21/2013	XX	GW303A242	0.005 U	74		0.43	50	7.9	23	14							
7/24/2013	XX	GW303A25G	0.005 U	61		0.58	40	7.1	27	13							
10/2/2013	XX	GW303A27A	0.005 U	68		0.64	42	7.7	25	12							
6/3/2014	XX	GW303A294	0.008 U	57.3		0.1 U	59.4	9.04	30.6	13.1							
8/20/2014	XX	GW303A2AI	0.008 U	61.4		0.1 U	51	9.04	31.6	11.2							
11/12/2014	XX	GW303A2CC	0.008 U	75.5		0.1 U	78.4	12.5	40.4	17							
6/3/2015	XX	GW303A2E8	0.008 U	47.3		0.1 U	49.5	8.48	29.3	10.8							
9/1/2015	XX	GW303A2G3	0.008 U	45.8		0.1 U	46.3	7.41	31.8	10.6							
11/3/2015	XX	GW303A2HH	0.008 U	60.5		0.1 U	60.8	10.6	36.5	13.9							
6/15/2016	XX	GW303A317	0.008 U	42.1		0.1 U	36.5	6	25.3	8.37							
9/20/2016	XX	GW303A331	0.008 U	50.6		0.1 U	47	9.21	31.9	10.1							
11/8/2016	XX	GW303A34F	0.008 U	74.4		0.121	60.3	11.8	34.8	14.4							
6/13/2017	XX	GW303A36A	0.008 U	47.7		0.1 U	45	7.41	27.9	10.9							
8/30/2017	XX	GW303A384	0.008 U	49.9		0.637	40	6.72	27.6	9.95							
11/15/2017	XX	GW303A39I	0.008 U	75.2		0.554	66.4	11.8	35.6	14.7							
6/20/2018	XX	GW303A3BD	0.008 U	55		0.865	37.5	6.66	28.3	10.4							
8/15/2018	XX	GW303A3E2	0.008 U	46		0.561	36	5.88	25.1	8.54							
11/27/2018	XX	GW303A3F1	0.008 U	92.6		0.56	82.2	13.3	38.4	19.1							
6/4/2019	XX	GW303A3GG	0.008 U	43.8		0.1 U	43	6.83	27.1	9.84							
8/14/2019	XD	GWDP1X3I2	0.008 U	40		0.1 U	34.1	5.58	26.2	8.22							
8/14/2019	XX	GW303A3J5	0.008 U	37.2		0.1 U	31.2	5.11	23.9	7.6							
10/22/2019	XX	GW303A404	0.008 U	50.9		0.1 U	49.2	8.19	31.5	9.56							
303B																	
4/27/2000	XX	303BXX36643				0.02 U		6.1	23.7	16.36							
8/2/2000	XX	303BXX36740				0.035		11.9	37.3	29.06							
10/25/2000	XX	303BXX36824	0.008 U			0.182		17.96	51.9	59.3							
5/9/2001	XX	303BXX37020	0.008 U			0.03		11.61	41.1	35							
7/25/2001	XX	303BXX37097	0.008 U			0.025		16.44	56.3	37							
10/17/2001	XX	303BXX37181	0.01 U			0.03		19.32	69.3	59.8							
5/16/2002	XX	303BXX37392	0.01 U	77.5		0.027	75.7	9.09	37.06	22.3							
8/2/2002	XX	303BXX37470	0.021	71.1	0.01 U	0.02 U	68.6	9.22	37.2	19.5							
10/17/2002	XX	303BXX37546	0.01 U	144.5	0.01 U	0.041	155	28.06	47.9	41.3							
6/23/2003	XX	303BXX37795	0.005 U	65	0.003 U	0.011	70	6.7	31	19							
8/19/2003	XX	303BXX37852	0.005 U	110	0.014	0.072	120	11	51	37							
10/14/2003	XX	303BXX37908	0.005 U	150	0.003	0.01 U	170	13	56	46							
5/3/2004	XX	303BXX38110	0.005 U	79	0.003	0.06	110	10	46	27							
8/17/2004	XX	303BXX38216	0.005 U	110	0.0051	0.011	170	13	51	35							
10/19/2004	XX	303BXX38279	0.005 U	140	0.0043	0.02	190	13	67	47							
5/18/2005	XX	GW303B00J	0.005 U	55	0.003 U	0.05	10 U	7.2	37	18							
8/15/2005	XX	GW303B02B	0.005 U	54	0.003	0.01 U	68	8.3	44	16							
11/3/2005	XX	GW303B043	0.005 U	110	0.007	0.01	150	13	65	38							
5/11/2006	XX	GW303B08J	0.005 U	76	0.004 B	0.01 U	93	13	39	24							
7/26/2006	XX	GW303B077	0.005 U	58	0.003 U	0.01 B	72	10	37	17							
10/24/2006	XX	GW303B05F	0.005 U	120	0.006	0.02 B	150	18	48	34							

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

(303B)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
5/15/2007	XX	GW303B0AB	0.005 U	54		0.017	63	8.5	36	19							
8/15/2007	XX	GW303B0C4	0.005 U	69		0.039	78	12	33	18							
10/29/2007	XX	GW303B0DG	0.005 U	150		0.036	190	18	59	38							
6/3/2008	XX	GW303B0G4	0.005 U	52		0.02	63	9.1	37	17							
8/13/2008	XX	GW303B0I4	0.005 U	42		0.01	42	8.4	28	13							
10/20/2008	XX	GW303B0JC	0.005 U	65		0.01	69	11	31	17							
5/5/2009	XX	GW303B11C	0.005 U	60		0.01	62	9.9	24	14							
8/6/2009	XX	GW303B13C	0.005 U	37		0.01 U	37	9.8	23	10							
10/21/2009	XX	GW303B150	0.005 U	53		0.01 U	55	7.6	32	14							
5/27/2010	XX	GW303B171	0.005 U	45		0.011	37	7.5	27	9.2							
8/4/2010	XX	GW303B192	0.005 U	83		0.02	83	14	39	18							
8/4/2010	XD	GWDP2X181	0.005 U	64		0.014	66	11	31	18							
10/14/2010	XX	GW303B1AA	0.005 U	79		0.02	80	7.6	30	22							
5/17/2011	XX	GW303B1E6	0.005 U	34		0.01 U	32	5.8	21	8.6							
8/9/2011	XX	GW303B1FH	0.0016 U	28		0.016	26	5.5	19	6.8							
11/3/2011	XX	GW303B1H8	0.0016 U	59		0.0039 J	62	8.9	25	16							
5/17/2012	XX	GW303B1J2	0.005 U	44		0.01 U	44	7.4	24	12							
8/15/2012	XX	GW303B20F	0.005 U	44		0.01 U	45	8.2	23	12							
11/1/2012	XX	GW303B229	0.005 U	89		0.01 U	86	12	40	23							
5/21/2013	XX	GW303B243	0.005 U	35		0.01 U	34	5.7	18	7.3							
7/24/2013	XX	GW303B25H	0.005 U	31		0.01 U	28	5.3	20	7.8							
10/2/2013	XX	GW303B27B	0.005 U	48		0.01 U	43	7.4	23	11							
6/3/2014	XX	GW303B295	0.008 U	37.9		0.1 U	35.1	5.08	21.1	8.04							
8/20/2014	XX	GW303B2AJ	0.008 U	56.9		0.1 U	44.6	8.09	28.4	11							
11/12/2014	XX	GW303B2CD	0.008 U	89.5		0.129	84.6	7.47	36	18.9							
6/3/2015	XX	GW303B2E9	0.008 U	35.8		0.1 U	33.8	5.76	22.1	7.98							
9/1/2015	XX	GW303B2G4	0.008 U	42.2		0.1 U	39.5	5.54	27.1	9.93							
11/3/2015	XX	GW303B2HI	0.008 U	54.2		0.1 U	51.7	7.8	28.7	12.3							
6/15/2016	XX	GW303B318	0.008 U	24.6		0.1 U	23.3	4.07	17.5	4.96							
9/20/2016	XX	GW303B332	0.008 U	62.9		0.1 U	59	10.5	30.8	14.4							
11/8/2016	XX	GW303B34G	0.008 U	86.7		0.1 U	74.5	12.7	34.1	16.7							
6/13/2017	XX	GW303B36B	0.008 U	32.1		0.1 U	27	4.3	19.5	6.59							
8/30/2017	XX	GW303B385	0.008 U	37.7		0.1 U	30.6	5.36	21.9	6.8							
11/15/2017	XX	GW303B39J	0.008 U	90.9		0.1 U	79.3	7.99	33.8	19.3							
6/20/2018	XX	GW303B3BE	0.008 U	28.8		0.1 U	23.3	4.14	20.7	5.94							
8/15/2018	XX	GW303B3E3	0.008 U	39.8		0.1 U	37.2	4.96	25.4	7.46							
11/27/2018	XX	GW303B3F2	0.008 U	90.7		0.1 U	82.1	8.85	34.9	19.6							
6/4/2019	XX	GW303B3GH	0.008 U	29.1		0.1 U	26.5	4.24	19.9	6.37							
8/14/2019	XX	GW303B3J6	0.008 U	28.8		0.1 U	25.7	4.34	21	5.46							
10/22/2019	XX	GW303B405	0.008 U	63.7		0.1 U	62.2	10.1	33.8	13.9							
304A																	
5/3/2000	XX	304AXX36649				0.02 U		0.01 U	1.11	17.08							
8/9/2000	XX	304AXX36747				0.02		0.02	1.14	14.52							
11/9/2000	XX	304AXX36839	0.008 U			0.039		0.07	1.21	15.7							
5/16/2001	XX	304AXX37027	0.008 U			0.02 U		0.01	1.08	15.3							
7/31/2001	XX	304AXX37103	0.008 U			0.042		0.02	1.14	14.6							
10/23/2001	XX	304AXX37187	0.008 U			0.03		0.17	1.55	17							
5/21/2002	XX	304AXX37397	0.01 U	55.5		0.043	10.4	0.01 U	1.268	16.5							
7/30/2002	XX	304AXX37467	0.01 U	28.8		0.022	9	0.02	1.18	15.4							

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

(304A)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
10/22/2002	XX	304AXX37551	0.01 U	36.3		0.032	11.5	0.06	1.54	15.2							
6/24/2003	XX	304AXX37796	0.005 U	75		0.012	10	0.14	1.7	12							
8/7/2003	XX	304AXX37840	0.005 U	65		0.021	11	0.14	1.8	15							
10/21/2003	XX	304AXX37915	0.005 U	77		0.01 U	13	0.24	2	18							
5/10/2004	XX	304AXX38117	0.005 U	68		0.034	11	0.043	1.7	14							
7/28/2004	XX	304AXX38196	0.005 U	59		0.01	11	0.07	1.3	16							
10/21/2004	XX	304AXX38281	0.005 U	75		0.031	13	0.15	1.7	18							
5/10/2005	XX	GW304A010	0.005 U	93		0.02	7.4	0.05	2	7							
7/28/2005	XX	GW304A02C	0.005 U	61		0.02	8.3	0.01 U	1.7	12							
11/8/2005	XX	GW304A044	0.005 U	37		0.02	9.8	0.01 U	2.1	13							
5/3/2006	XX	GW304A090	0.005 U	64		0.03	9.3	0.01 U	1.4	13							
8/1/2006	XX	GW304A078	0.005 U	82		2.1	9	0.12	2.4	11							
10/26/2006	XX	GW304A05G	0.005 U	59		0.07 B	7.9	0.01	1.9	12							
5/8/2007	XX	GW304A0AC	0.005 U	68		0.097	5.5	0.014	1.1	8.7							
8/7/2007	XX	GW304A0C5	0.005 U	58		0.026	8.5	0.019	1.9	14							
8/7/2007	XD	GWDP4X0EH	0.005 U	59		0.017	8.6	0.019	1.9	14							
10/31/2007	XX	GW304A0DH	0.005 U	93		0.01 U	9.9	0.034	1.5	14							
6/3/2008	XX	GW304A0G5	0.005 U	52		0.024	8.2	0.01 U	1.7	11							
8/18/2008	XX	GW304A0I5	0.005 U	47		0.02	8.7	0.01 U	1.2	13							
10/23/2008	XX	GW304A0JD	0.005 U	56		0.02	8.8	0.01 U	1.3	12							
10/23/2008	XD	SWDP4X109	0.005 U	53		0.02	8.7	0.01 U	1.3	12							
5/12/2009	XX	GW304A11D	0.005 U	44		0.015	8.4	0.01 U	1	12							
8/11/2009	XX	GW304A13D	0.005 U	54		0.14	8.4	0.011	1.6	11							
10/26/2009	XX	GW304A151	0.005 U	49		0.038	8.3	0.01 U	1.8	12							
6/2/2010	XX	GW304A172	0.005 U	54		0.068	8.4	0.01 U	1.6	11							
8/5/2010	XX	GW304A193	0.005 U	52		0.049	8.2	0.01 U	1.6	12							
10/18/2010	XX	GW304A1AB	0.005 U	40		0.023	7.8	0.01 U	1.2	11							
5/19/2011	XX	GW304A1DC	0.005 U	40		0.015	8	0.01 U	1.6	12							
8/8/2011	XX	GW304A1F3	0.0016 U	28		0.014	5	0.0069	0.89	7.7							
8/8/2011	XD	GWDP2X1G8	0.0016 U	40		0.034	7.2	0.0071	1.4	11							
11/2/2011	XX	GW304A1GE	0.0016 U	39		0.0054 J	7.8	0.0072 J	1.7	12							
5/15/2012	XX	GW304A1I8	0.005 U	41		0.016	7	0.01 U	1.5	9.6							
5/15/2012	XD	GWDP3X1JE	0.005 U	42		0.018	7.4	0.01 U	1.7	9.9							
8/15/2012	XX	GW304A201	0.005 U	34		0.01 U	6.9	0.01 U	2.1	11							
10/31/2012	XX	GW304A21F	0.005 U	39		0.016	7.7	0.01 U	1.8	11							
10/31/2012	XD	GWDP1X22J	0.005 U	38		0.046	8	0.01 U	1.8	12							
5/21/2013	XX	GW304A239	0.005 U	37		0.032	6.8	0.01 U	1.4	9.6							
5/21/2013	XD	GWDP1X24D	0.005 U	38		0.041	6.8	0.01 U	1.4	9.4							
7/25/2013	XX	GW304A253	0.005 U	38		0.018	6.8	0.01 U	1.6	10							
7/25/2013	XD	GWDP3X269	0.005 U	37		0.016	6.6	0.01 U	1.5	10							
10/2/2013	XX	GW304A26H	0.005 U	35		0.011	6.8	0.01 U	1.5	10							
10/2/2013	XD	GWDP2X283	0.005 U	36		0.018	7.2	0.01 U	1.5	11							
6/4/2014	XX	GW304A28B	0.008 U	36		0.1 U	7.55	0.005 U	1.03	11.2							
6/4/2014	XD	GWDP1X29F	0.008 U	35.1		0.1 U	7.35	0.005 U	1 U	10.8							
8/20/2014	XX	GW304A2A5	0.008 U	36.8		0.105	7.03	0.0124	1.07	10.7							
8/20/2014	XD	GWDP1X2B9	0.008 U	36.2		0.122	6.99	0.0136	1.03	10.7							
11/12/2014	XX	GW304A2BJ	0.008 U	31.7		0.217	5.88	0.0139	1.07	9.12							
11/12/2014	XD	GWDP2X2D5	0.008 U	32.4		0.534	6.04	0.034	1.1	8.88							
6/3/2015	XX	GW304A2DF	0.008 U	32.7		0.205	7.32	0.012	1 U	10.3							
6/3/2015	XD	GWDP1X2EJ	0.008 U	31.7		0.145	7.08	0.01	1 U	9.99							

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

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
(304A)																	
9/2/2015	XX	GW304A2FA	0.008 U	34.8		0.1 U	7.42	0.005 U	1	11.2							
9/2/2015	XD	GWDP1X2GE	0.008 U	37.4		0.1 U	7.72	0.005 U	1.04	12.1							
11/4/2015	XX	GW304A2H4	0.008 U	36		0.1 U	7.51	0.007	1.2	10.7							
11/4/2015	XD	GWDP2X2IA	0.008 U	34.7		0.1 U	7.24	0.009	1.07	10.1							
6/16/2016	XD	GWDP1X31I	0.008 U	33.1		0.1 U	7.58	0.005 U	1 U	10.8							
6/16/2016	XX	GW304A30E	0.008 U	32.4		0.1 U	7.45	0.005 U	1	10.6							
9/21/2016	XD	GWDP1X33C	0.008 U	31.1		0.1 U	7.04	0.005 U	1	11.1							
9/21/2016	XX	GW304A328	0.008 U	32.1		0.1 U	7.1	0.005 U	1	11.6							
11/8/2016	XD	GWDP2X358	0.008 U	36		0.1 U	6.66	0.005	1.1	10.6							
11/8/2016	XX	GW304A342	0.008 U	36.2		0.1 U	6.64	0.005	1.1	10.6							
6/14/2017	XD	GWDP1X371	0.008 U	34.6		0.116	7.33	0.0109	1.16	11.1							
6/14/2017	XX	GW304A35H	0.008 U	36		0.1 U	7.62	0.0083	1.17	11.5							
8/29/2017	XD	GWDP1X38F	0.008 U	32.4		0.181	6.57	0.0196	1.02	10.7							
8/29/2017	XX	GW304A37B	0.008 U	33.4		0.205	6.76	0.0186	1.06	11							
11/14/2017	XD	GWDP2X3AB	0.008 U	33.6		0.1 U	6.15	0.0089	1.1	10.3							
11/14/2017	XX	GW304A395	0.008 U	31.5		0.156	6.24	0.0139	1.1	10.3							
6/21/2018	XD	GWDP1X3C4	0.008 U	33.9		0.171	6.88	0.0215	1.08	10							
6/21/2018	XX	GW304A3B0	0.008 U	38.2		0.217	7.29	0.0302	1.47	10.1							
8/15/2018	XD	GWDP1X3CJ	0.008 U	32		0.762	6.99	0.069	1.05	10.6							
8/15/2018	XX	GW304A3D9	0.008 U	32.7		0.945	7.09	0.0829	1.14	11							
11/30/2018	XD	GWDP2X3FE	0.008 U	35.9		0.1 U	6.78	0.005 U	1.12	11							
11/30/2018	XX	GW304A3E8	0.008 U	36.4		0.1 U	6.83	0.005 U	1.16	11							
6/5/2019	XD	GWDP1X3H7	0.008 U	32.6		0.1 U	7	0.0066	1 U	10.7							
6/5/2019	XX	GW304A3G3	0.008 U	31.6		0.1 U	6.75	0.0057	1 U	10.4							
8/14/2019	XX	GW304A3ICR	0.008 U	33.7			7.95	0.0327									
8/14/2019	XX	GW304A3IC				0.134			1	11.2							
10/24/2019	XX	GW304A3JB	0.008 U	32.5		0.13	7.49	0.0264	1.1	11.3							
10/24/2019	XD	GWDP2X40H	0.008 U	31.1		0.114	7.2	0.0233	1.03	11							
304B																	
5/3/2000	XX	304BXX36649				0.658		0.012	0.44	3.15							
8/9/2000	XX	304BXX36747				0.239		0.03	0.91	14.67							
11/9/2000	XX	304BXX36839	0.008 U			0.099		0.01	0.89	16.9							
5/16/2001	XX	304BXX37027	0.008 U			0.09		0.01 U	0.85	19.1							
7/31/2001	XX	304BXX37103	D			D		D	D	D							
10/23/2001	XX	304BXX37187	0.008 U			0.518		0.15	1.29	21							
5/21/2002	XX	304BXX37397	0.01 U	29.9		0.061	3	0.01 U	0.911	13.3							
7/30/2002	XX	304BXX37467	0.01 U	20.9		0.076	4	0.03	1	15.8							
10/22/2002	XX	304BXX37551	0.01 U	22.6		0.104	4.2	0.01 U	1.07	13							
6/24/2003	XX	304BXX37796	0.005 U	43		0.028	5	0.01 U	1 U	11							
8/7/2003	XX	304BXX37840	0.005 U	38		0.021	4.2	0.01 U	1.1	12							
10/21/2003	XX	304BXX37915	0.005 U	35		0.042	4.1	0.012	1.1	13							
5/10/2004	XX	304BXX38117	0.005 U	29		0.033	3.5	0.01 U	1 U	11							
7/28/2004	XX	304BXX38196	0.005 U	25		0.035	2.9	0.01	1 U	9.4							
10/21/2004	XX	304BXX38281	0.005 U	31		0.043	3.5	0.01 U	1 U	11							
5/10/2005	XX	GW304B011	0.005 U	20		0.02	2.3	0.01 U	1 U	7							
7/28/2005	XX	GW304B02D	0.005 U	39		0.03	4	0.01 U	1.1	12							
11/8/2005	XX	GW304B045	0.005 U	34		0.03	3.4	0.01 U	1.1	12							
5/3/2006	XX	GW304B091	0.005 U	21		0.02	2.4	0.01 U	1 U	9.4							
8/1/2006	XX	GW304B079	0.005 U	29		0.02	3	0.01 U	1.2	11							

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

(304B) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
10/26/2006	XX	GW304B05H	0.005 U	26		0.01 B	2.9	0.01 U	1.1	12							
5/8/2007	XX	GW304B0AD	0.005 U	25		0.02	2.7	0.01 U	1 U	14							
8/7/2007	XX	GW304B0C6	0.005 U	34		0.13	3.3	0.025	1.4	16							
10/31/2007	XX	GW304B0DI	0.005 U	29		0.021	3.1	0.01 U	0.92	12							
6/5/2008	XX	GW304B0G6	0.005 U	18		0.022	2	0.01 U	1 U	8.5							
6/5/2008	XD	LTDP4X0F5	0.005 U	19		0.018	2.1	0.01 U	1 U	8.8							
8/18/2008	XX	GW304B0I6	0.005 U	12		0.03	1.3	0.05	1 U	6.8							
10/23/2008	XX	GW304B0JE	0.005 U	17		0.28	1.9	0.05	1 U	8.9							
5/12/2009	XX	GW304B11E	0.005 U	8.2		0.07	1 U	0.01 U	1 U	4.3							
8/11/2009	XX	GW304B13E	0.005 U	24		0.17	2.1	0.06	1.1	7.5							
10/26/2009	XX	GW304B152	0.005 U	15		0.42	1.7	0.03	1 U	6.6							
6/2/2010	XX	GW304B173	0.005 U	13		0.1	1.4	0.02	1 U	7.1							
8/5/2010	XX	GW304B194	0.005 U	16		0.44	1.8	0.13	1	8.4							
10/18/2010	XX	GW304B1AC	0.005 U	13		0.24	1.4	0.015	1 U	8.1							
10/18/2010	XD	GWDP3X1B6	0.005 U	12		0.23	1.3	0.017	1 U	7.6							
5/19/2011	XX	GW304B1DD	0.005 U	7.6		0.067	1 U	0.012	1 U	5.1							
8/8/2011	XX	GW304B1F4	0.0016 U	9.7		0.03	1	0.0061	0.53	6.3							
11/2/2011	XX	GW304B1GF	0.0016 U	15		0.043	1.6	0.0089 J	0.9 J	7.7							
5/15/2012	XX	GW304B1I9	0.005 U	9.9		0.035	1.1	0.01 U	1 U	4.5							
8/15/2012	XX	GW304B202	0.005 U	23		0.035	2.6	0.01 U	1.9	12							
10/31/2012	XX	GW304B21G	0.005 U	18		0.078	1.9	0.013	1 U	10							
5/21/2013	XX	GW304B23A	0.005 U	11		0.01 U	1.2	0.04	1 U	6.7							
7/25/2013	XX	GW304B254	0.005 U	14		0.034	1.5	0.01 U	1 U	9.3							
10/2/2013	XX	GW304B26I	0.005 U	12		0.01 U	1.4	0.01 U	1 U	8.6							
6/4/2014	XX	GW304B28C	0.008 U	12.6		0.1 U	1.42	0.0059	1 U	9.13							
8/20/2014	XX	GW304B2A6	0.008 U	12.6		0.127	1.3	0.0184	1 U	8.88							
11/12/2014	XX	GW304B2C0	0.008 U	8.95		0.197	1.02	0.0158	1 U	6.15							
6/3/2015	XX	GW304B2DG	0.008 U	6.78		0.189	0.8	0.023	1 U	4.15							
9/2/2015	XX	GW304B2FB	0.008 U	12.2		0.127	1.34	0.022	1 U	9.19							
11/4/2015	XX	GW304B2H5	0.008 U	9.09		0.1 U	1.06	0.005 U	1 U	6.24							
6/16/2016	XX	GW304B30F	0.008 U	9.69		0.122	1.21	0.033	1 U	7.47							
9/21/2016	XX	GW304B329	0.008 U	11		0.312	1.37	0.034	1 U	10.9							
11/8/2016	XX	GW304B343	0.008 U	18.1		0.204	1.69	0.037	1 U	12.7							
6/14/2017	XX	GW304B35I	0.008 U	12.6		0.1 U	1.4	0.0295	1 U	9.68							
8/29/2017	XX	GW304B37C	0.008 U	9.5		0.202	1	0.0647	1 U	7.31							
11/14/2017	XX	GW304B396	0.008 U	13.1		0.103	1.26	0.0242	1 U	8.1							
6/21/2018	XX	GW304B3B1	0.008 U	12.4		0.101	1.41	0.0304	1 U	8.79							
8/15/2018	XX	GW304B3DA	0.008 U	13.6		0.206	1.51	0.169	1 U	9.24							
11/30/2018	XX	GW304B3E9	0.008 U	6.34		0.429	0.584	0.048	1 U	1.89							
6/5/2019	XX	GW304B3G4	0.008 U	12.4		0.1 U	1.39	0.015	1 U	8.54							
8/14/2019	XX	GW304B3ID	0.008 U	14.2		0.198	1.67	0.0337	1 U	9.81							
10/24/2019	XX	GW304B3JC	0.008 U	12.4		0.952	1.66	0.108	1 U	8.36							
401A																	
5/3/2000	XX	401AXX36649				0.047		0.016	1.43	9.71							
8/10/2000	XX	401AXX36748				0.027		0.01 U	1.46	9.47							
11/9/2000	XX	401AXX36839	0.09			0.044		0.08	1.19	8.2							
5/17/2001	XX	401AXX37028	0.08			0.067		0.01 U	1.35	9.2							
8/1/2001	XX	401AXX37104	0.11			0.027		0.01 U	1.47	9.3							
10/24/2001	XX	401AXX37188	0.12			0.02 U		0.01 U	1.72	9.5							

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

(401A)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
5/22/2002	XX	401AXX37398	0.13	14.9		0.066	5.5	0.01	1.544	9.6							
7/30/2002	XX	401AXX37467	0.15	15.8		0.023	4.9	0.01 U	1.27	8.3							
10/22/2002	XX	401AXX37551	0.18	15.5		0.039	5.4	0.01 U	1.53	7.8							
6/25/2003	XX	401AXX37797	0.19	34		0.01 U	6	0.01 U	1.7	8.6							
8/11/2003	XX	401AXX37844	0.18	31		0.016	5.7	0.01 U	1.5	8.1							
10/21/2003	XX	401AXX37915	0.19	33		0.01 U	6.2	0.01 U	1.6	9							
5/10/2004	XX	401AXX38117	0.16	33		0.022	6.3	0.01 U	1.7	10							
7/29/2004	XX	401AXX38197	0.15	29		0.017	5.6	0.01 U	1.4	8.9							
10/21/2004	XX	401AXX38281	0.18	33		0.048	6.2	0.01 U	1.5	9.1							
5/9/2005	XX	GW401A012	0.17	31		0.01 U	5.7	0.01 U	1.7	9.1							
7/28/2005	XX	GW401A02E	0.2	40		0.01	6.3	0.01 U	1.8	10							
11/8/2005	XX	GW401A046	0.2	36		0.02	6.1	0.01 U	1.7	9.8							
5/4/2006	XX	GW401A092	0.18	36		0.01	6.3	0.01 U	1.7	10							
8/2/2006	XX	GW401A07A	0.2	32		0.02	5.9	0.01 U	1.7	9.8							
10/30/2006	XX	GW401A05I	0.23	33		0.01	6.2	0.01 U	2.1	10							
5/7/2007	XX	GW401A0AE	0.21	33		0.01 U	6.5	0.01 U	1.8	10							
8/14/2007	XX	GW401A0C7	0.18	27		0.019	5	0.01 U	1.8	8.4							
11/5/2007	XX	GW401A0DJ	0.29	42		0.019	6.4	0.01 U	2.1	11							
6/5/2008	XX	GW401A0G7	0.22	34		0.32	6.4	0.01 U	2.3	9.9							
8/20/2008	XX	GW401A0I7	0.19	34		0.02	5.5	0.01 U	1.9	8.1							
10/27/2008	XX	GW401A0JF	0.22	38		0.01	6	0.01 U	1.9	8.7							
5/13/2009	XX	GW401A11F	0.17	30		0.018	5.6	0.01 U	1.5	9.6							
8/13/2009	XX	GW401A13F	0.2	35		0.035	5.9	0.01 U	2	8.7							
10/28/2009	XX	GW401A153	0.17	28		0.01 U	5.4	0.01 U	1.4	8.6							
10/28/2009	XD	SWDP4X15H	0.17	27		0.01 U	5.4	0.01 U	1.4	8.4							
6/3/2010	XX	GW401A174	0.18	37		0.01 U	5.9	0.01 U	2.1	9.1							
8/17/2010	XX	GW401A195	0.19	28		0.01	5.6	0.01 U	1.7	8.8							
10/19/2010	XX	GW401A1AD	0.18	27		0.018	6.1	0.012	1.5	9.2							
5/16/2011	XX	GW401A1DE	0.19	30		0.01 U	6.4	0.01 U	2.2	9.3							
8/8/2011	XX	GW401A1F5	0.12	22		0.012	4.2	0.00039	1.1	6.6							
11/1/2011	XX	GW401A1GG	0.19	34		0.012	6.7	0.0002 J	2.3	10							
5/14/2012	XX	GW401A1IA	0.18	32		0.011	6.5	0.01 U	2.4	9.8							
8/14/2012	XX	GW401A203	0.18	30		0.01 U	5.9	0.01 U	2	9.7							
11/1/2012	XX	GW401A21H	0.19	32		0.01 U	7.3	0.01 U	2.4	12							
5/21/2013	XX	GW401A23B	0.15	31		0.01 U	5.7	0.01 U	2	8.7							
7/22/2013	XX	GW401A255	0.16	32		0.01 U	5.8	0.01 U	2	9.7							
9/30/2013	XX	GW401A26J	0.11	24		0.01 U	4.4	0.01 U	1.3	7.1							
6/4/2014	XX	GW401A28D	0.164	33.7		0.1 U	6.96	0.005 U	1.63	10.2							
8/19/2014	XX	GW401A2A7	0.151	34.2		0.171	6.65	0.0113	1.59	10							
11/11/2014	XX	GW401A2C1	0.151	31.5		0.238	6.59	0.01	1.59	9.63							
6/2/2015	XX	GW401A2DH	0.159	32		0.359	6.91	0.014	1.6	9.84							
9/1/2015	XX	GW401A2FC	0.166	36.2		0.1 U	7.54	0.005 U	1.74	11.6							
11/3/2015	XX	GW401A2H6	0.167	35		0.147	7.35	0.006	1.73	10.8							
6/14/2016	XX	GW401A30G	0.157	36.8		0.1 U	7.61	0.005 U	1.9	11.3							
9/20/2016	XX	GW401A32A	0.164	36.6		0.1 U	7.43	0.005 U	1.6	10.8							
11/9/2016	XX	GW401A344	0.165	35.8		0.307	7.24	0.008	1.8	11.5							
6/14/2017	XX	GW401A35J	0.159	35.8		0.164	7.24	0.0073	1.76	10.5							
8/29/2017	XX	GW401A37D	0.158	36.3		0.1 U	7.11	0.0089	1.68	10.7							
11/14/2017	XX	GW401A397	0.138	35.5		0.1 U	6.47	0.0099	1.6	9.87							
6/20/2018	XX	GW401A3B2	0.131	37.9		0.1 U	6.69	0.005 U	1.7	11.1							

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

(401A) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
8/15/2018	XX	GW401A3DB	0.144	35.5		0.1 U	7.37	0.0054	1.67	10.5							
11/30/2018	XX	GW401A3EA	0.144	36.6		0.1 U	7.04	0.005 U	1.73	10.4							
6/5/2019	XX	GW401A3G5	0.141	34.8		0.1 U	7.19	0.005 U	1.7	10.1							
8/14/2019	XX	GW401A3IE	0.148	37.5		0.1 U	7.6	0.0055	1.78	11							
10/22/2019	XX	GW401A3JD	0.135	38.5		0.1 U	7.53	0.0053	1.71	10.5							
401B																	
5/3/2000	XX	401BXX36649				0.023		0.135	1.44	12.24							
8/10/2000	XX	401BXX36748				0.02		0.22	1.51	12.4							
11/9/2000	XX	401BXX36839	0.008 U			0.052		0.35	1.34	11.5							
5/17/2001	XX	401BXX37028	0.008 U			0.689		0.32	1.53	11.8							
8/1/2001	XX	401BXX37104	0.008 U			0.033		0.24	1.56	12.9							
10/24/2001	XX	401BXX37188	0.008 U			0.731		0.35	1.65	12							
5/22/2002	XX	401BXX37398	0.01 U	23.6		0.119	6.4	0.32	1.544	12.6							
7/30/2002	XX	401BXX37467	0.01 U	26.4		0.02 U	6.6	0.26	1.44	12.7							
10/22/2002	XX	401BXX37551	0.015	25		0.027	6.2	0.4	1.55	10.8							
6/25/2003	XX	401BXX37797	0.005 U	52		0.01 U	7	0.26	3.8	12							
8/11/2003	XX	401BXX37844	0.005 U	47		0.01 U	6.8	0.26	1.7	12							
10/21/2003	XX	401BXX37915	0.005 U	51		0.01 U	7.3	0.27	1.9	13							
5/10/2004	XX	401BXX38117	0.005 U	51		0.029	7.7	0.081	1.8	15							
7/29/2004	XX	401BXX38197	0.005 U	46		0.021	6.9	0.33	1.5	14							
10/21/2004	XX	401BXX38281	0.005 U	52		0.048	7.5	0.34	1.8	14							
5/9/2005	XX	GW401B013	0.005 U	51		0.01 U	7	0.14	1.8	13							
7/28/2005	XX	GW401B02F	0.005 U	57		0.01	7.2	0.27	2	14							
11/8/2005	XX	GW401B047	0.005 U	49		0.02	6.2	0.22	1.7	12							
5/4/2006	XX	GW401B093	0.005 U	57		0.01 U	7.7	0.01 U	2	16							
8/2/2006	XX	GW401B07B	0.005 U	53		0.02	7.2	0.26	2.3	15							
10/30/2006	XX	GW401B05J	0.005 U	45		0.01 U	6.4	0.29	2	14							
5/7/2007	XX	GW401B0AF	0.005 U	55		0.01 U	7.9	0.056	2	15							
8/14/2007	XX	GW401B0C8	0.005 U	51		0.015	6.6	0.26	2.2	14							
11/5/2007	XX	GW401B0E0	0.005 U	70		0.017	7.4	0.35	2.4	17							
6/5/2008	XX	GW401B0G8	0.005 U	52		0.013	7.6	0.23	2.5	14							
8/20/2008	XX	GW401B0I8	0.005 U	54		0.02	6.8	0.33	2.2	12							
10/27/2008	XX	GW401B0JG	0.005 U	66		0.01 U	7.2	0.39	2.4	14							
5/13/2009	XX	GW401B11G	0.005 U	49		0.018	7.1	0.048	1.6	14							
8/13/2009	XX	GW401B13G	0.005 U	61		0.01 U	7.1	0.29	2.3	13							
10/28/2009	XX	GW401B154	0.005 U	48		0.011	7.1	0.34	1.7	14							
6/3/2010	XX	GW401B175	0.005 U	58		0.01 U	7	0.21	2.3	13							
8/17/2010	XX	GW401B196	0.005 U	54		0.01 U	7.1	0.38	2.1	14							
10/19/2010	XX	GW401B1AE	0.005 U	46		0.014	7.2	0.35	1.8	14							
5/16/2011	XX	GW401B1DF	0.005 U	50		0.01 U	7.4	0.087	2.3	14							
8/8/2011	XX	GW401B1F6	0.0016 U	49		0.027	7.2	0.54	2	14							
11/1/2011	XX	GW401B1GH	0.0016 U	52		0.005 J	7.6	0.47	2.7	15							
5/14/2012	XX	GW401B1IB	0.005 U	52		0.01 U	7.8	0.041	2.7	14							
8/14/2012	XX	GW401B204	0.005 U	46		0.025	7.1	0.36	2.4	14							
11/1/2012	XX	GW401B21I	0.005 U	54		0.012	8.7	0.48	3.1	17							
5/21/2013	XX	GW401B23C	0.005 U	51		0.031	6.9	0.086	2.5	13							
7/22/2013	XX	GW401B256	0.005 U	53		0.01 U	7.2	0.3	2.7	14							
9/30/2013	XX	GW401B270	0.005 U	54		0.01 U	7.4	0.48	2.6	15							
6/4/2014	XX	GW401B28E	0.008 U	56.8		0.1 U	8.42	0.0641	1.81	14.7							

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

(401B) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
8/19/2014	XX	GW401B2A8	0.008 U	56.5		0.151	8.16	0.509	1.88	14.4							
11/11/2014	XX	GW401B2C2	0.008 U	50.1		0.164	7.71	0.399	1.87	14.2							
6/2/2015	XX	GW401B2DI	0.008 U	52.2		0.373	8.45	0.278	1.79	13.4							
9/1/2015	XX	GW401B2FD	0.008 U	60.2		0.1 U	9.36	0.488	2.06	16.6							
11/3/2015	XX	GW401B2H7	0.008 U	59.6		0.1 U	9.06	0.507	2.07	15.6							
6/14/2016	XX	GW401B30H	0.008 U	61.3		0.112	9.16	0.185	2.1	15.6							
9/20/2016	XX	GW401B32B	0.008 U	61.1		0.1 U	9.37	0.39	1.8	15.4							
11/9/2016	XX	GW401B345	0.008 U	59.1		0.1 U	9.08	0.401	2	14.5							
6/14/2017	XX	GW401B360	0.008 U	63.1		0.1 U	9.68	0.24	2	14.7							
8/29/2017	XX	GW401B37E	0.008 U	58.7		0.1 U	8.83	0.366	1.85	14							
11/14/2017	XX	GW401B398	0.008 U	58.3		0.138	8.37	0.534	1.9	13.5							
6/20/2018	XX	GW401B3B3	0.008 U	69.8		0.1 U	8.59	0.162	2.05	15.8							
8/15/2018	XX	GW401B3DC	0.008 U	63.8		0.1 U	9.95	0.429	2.01	14.7							
11/30/2018	XX	GW401B3EB	0.008 U	64.2		0.1 U	9.19	0.0642	2.08	14.3							
6/5/2019	XX	GW401B3G6	0.008 U	61.6		0.1 U	9.64	0.085	1.88	13.4							
8/14/2019	XX	GW401B3IF	0.008 U	61.8		0.1 U	9.59	0.383	1.91	13.8							
10/22/2019	XX	GW401B3JE	0.008 U	65.1		0.1 U	10.3	0.606	2.11	15.2							
402A																	
5/3/2000	XX	402AXX36649				0.02 U		0.063	0.58	6.98							
8/10/2000	XX	402AXX36748				0.053		0.13	0.59	6.63							
11/9/2000	XX	402AXX36839	0.008 U			0.07		0.08	0.53	6.4							
5/17/2001	XX	402AXX37028	0.008 U			0.077		0.11	0.53	6.5							
8/1/2001	XX	402AXX37104	0.008 U			0.102		0.11	0.58	6.7							
10/24/2001	XX	402AXX37188	0.008 U			0.117		0.1	0.67	6.9							
5/22/2002	XX	402AXX37398	0.019	14.3		0.06	6.8	0.04	0.591	6.6							
7/30/2002	XX	402AXX37467	0.01 U	16.2		0.039	6.9	0.12	0.53	6.5							
10/22/2002	XX	402AXX37551	0.015	15.4		0.086	5.6	0.13	0.76	9.7							
6/25/2003	XX	402AXX37797	0.005 U	32		0.027	8	0.24	1 U	5.9							
8/11/2003	XX	402AXX37844	0.005 U	29		0.036	7.4	0.32	1 U	5.8							
10/22/2003	XX	402AXX37916	0.005 U	28		0.085	7.1	0.22	1 U	5.6							
5/11/2004	XX	402AXX38118	0.005	32		0.096	8.6	0.096	1 U	7.3							
7/29/2004	XX	402AXX38197	0.005 U	28		0.069	7.6	0.09	1 U	6.7							
10/26/2004	XX	402AXX38286	0.005 U	31		0.099	8.2	0.1	1 U	6.1							
5/9/2005	XX	GW402A014	0.005 U	31		0.08	7.5	0.09	1 U	6.5							
8/1/2005	XX	GW402A02G	0.005	35	0.003 U	0.08	7.5	0.09	1 U	6.9							
11/9/2005	XX	GW402A048	0.005	36		0.08	8.2	0.08	1 U	6							
5/4/2006	XX	GW402A094	0.005	36		0.06	8.3	0.1	1 U	7.5							
8/2/2006	XX	GW402A07C	0.005 U	31		0.05	7.7	0.07	1 U	7							
10/30/2006	XX	GW402A060	0.005	33		0.07	8.4	0.1	1 U	7.6							
5/7/2007	XX	GW402A0AG	0.007	33		0.14	8.4	0.12	0.7	7.2							
8/14/2007	XX	GW402A0C9	0.005 U	28		0.074	7	0.048	1 U	6.5							
11/5/2007	XX	GW402A0E1	0.005 U	48		0.11	8.5	0.11	1 U	7.6							
6/5/2008	XX	GW402A0G9	0.0052	33		0.15	8.6	0.14	1 U	7.3							
8/20/2008	XX	GW402A0I9	0.005 U	35		0.1	7.2	0.09	1 U	5.9							
10/27/2008	XX	GW402A0JH	0.005 U	38		0.13	8.7	0.13	1 U	6.9							
5/13/2009	XX	GW402A11H	0.005 U	30		0.16	7.9	0.16	1 U	7.2							
5/13/2009	XD	LTDP4X10D	0.005 U	30		0.16	7.9	0.15	1 U	7.2							
8/13/2009	XX	GW402A13H	0.005 U	39		0.12	7.8	0.1	1 U	6.4							
10/28/2009	XX	GW402A155	0.005 U	28		0.11	7.2	0.1	1 U	6.4							

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

(402A)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
6/3/2010	XX	GW402A176	0.005 U	33		0.18	8.1	0.11	1 U	6.9							
8/17/2010	XX	GW402A197	0.005 U	30		0.092	8.2	0.1	1 U	7.1							
10/19/2010	XX	GW402A1AF	0.005 U	30		0.079	9	0.12	1 U	7.2							
5/16/2011	XX	GW402A1DG	0.005 U	34		0.14	9	0.19	1	7.6							
8/8/2011	XX	GW402A1F7	0.0037	32		0.098	8	0.12	0.71	7							
11/1/2011	XX	GW402A1GI	0.0035 J	34		0.088	8.9	0.13	0.83 J	7.2							
5/16/2012	XX	GW402A1IC	0.005 U	34		0.1	9.6	0.14	1 U	7.9							
8/15/2012	XX	GW402A205	0.005 U	33		0.078	9.2	0.14	1	7.6							
10/31/2012	XX	GW402A21J	0.0056	37		0.22	11	0.15	1	8.4							
5/20/2013	XX	GW402A23D	0.005 U	30		0.062	8.1	0.1	1 U	7.1							
7/22/2013	XX	GW402A257	0.005 U	36		0.08	9.2	0.13	1	7.8							
9/30/2013	XX	GW402A271	0.005 U	38		0.089	9.6	0.14	1 U	7.8							
6/4/2014	XX	GW402A28F	0.008 U	42.5		0.127	12.4	0.144	1 U	8.49							
8/19/2014	XX	GW402A2A9	0.008 U	41.9		0.143	10.7	0.148	1 U	8.06							
11/11/2014	XX	GW402A2C3	0.008 U	35.8		0.136	10	0.128	1 U	7.67							
6/4/2015	XX	GW402A2DJ	0.008 U	39.2		0.159	11.2	0.149	1 U	7.85							
9/1/2015	XX	GW402A2FE	0.008 U	42.4		0.1 U	11.8	0.143	1 U	9.04							
11/3/2015	XX	GW402A2H8	0.008 U	41.1		0.1 U	11.6	0.15	1 U	8.48							
6/14/2016	XX	GW402A30I	0.008 U	44.6		0.119	12.2	0.152	1 U	8.98							
9/20/2016	XX	GW402A32C	0.008 U	47.2		0.119	12.8	0.164	1 U	9							
11/9/2016	XX	GW402A346	0.008 U	50.7		0.138	13	0.189	1 U	9.33							
6/14/2017	XX	GW402A361	0.008 U	46.1		0.121	12.5	0.166	1 U	9.04							
8/29/2017	XX	GW402A37F	0.008 U	47.8		0.116	12.7	0.167	1 U	9.09							
11/15/2017	XX	GW402A399	0.008 U	46.6		0.121	12.5	0.159	1 U	8.89							
6/20/2018	XX	GW402A3B4	0.008 U	51.9		0.12	12.8	0.17	1 U	9.52							
8/15/2018	XX	GW402A3DD	0.008 U	47.2		0.102	13.2	0.161	1 U	8.86							
11/28/2018	XX	GW402A3EC	0.008 U	47		0.122	12.7	0.161	1 U	8.99							
6/5/2019	XX	GW402A3G7	0.008 U	50.5		0.143	14	0.176	1 U	9.19							
8/13/2019	XX	GW402A3IG	0.008 U	48.4		0.228	14.4	0.175	1 U	9.38							
10/22/2019	XX	GW402A3JF	0.008 U	48.4		0.12	13.6	0.164	1 U	9.16							
402B																	
5/3/2000	XX	402BXX36649				0.02 U		1.79	3.43	56.98							
8/10/2000	XX	402BXX36748				0.078		0.18	4.48	84.14							
11/9/2000	XX	402BXX36839	0.008 U			0.073		1.54	10.85	65.2							
5/17/2001	XX	402BXX37028	0.008 U			0.106		0.07	3.57	74.4							
8/1/2001	XX	402BXX37104	0.008 U			0.059		0.09	4.42	79.2							
10/24/2001	XX	402BXX37188	0.008 U			0.042		2.36	21.6	76.5							
5/22/2002	XX	402BXX37398	0.01 U	266.8		0.047	71	0.28	6.175	62.1							
8/7/2002	XX	402BXX37475	0.01 U	214.2	0.01 U	0.032	80.6	2.07	22	59.2							
10/24/2002	XX	402BXX37553	0.044	235	0.01 U	0.062	85.2	0.83	16.2	53.8							
6/25/2003	XX	402BXX37797	0.005 U	230	0.003 U	0.023	84	1.3	17	46							
8/11/2003	XX	402BXX37844	0.005 U	190	0.019	0.024	88	2.9	33	54							
10/22/2003	XX	402BXX37916	0.005 U	200	0.003 U	0.033	98	3	35	49							
5/11/2004	XX	402BXX38118	0.005 U	160	0.007	0.0879	67	1.1	15	41							
8/2/2004	XX	402BXX38201	0.005 U	160	0.0083	0.063	75	2.1	27	44							
10/26/2004	XX	402BXX38286	0.005 U	190	0.003 U	0.27	85	1.6	17	52							
5/9/2005	XX	GW402B015	0.005 U	150	0.003 U	0.02	65	0.67	13	36							
8/1/2005	XX	GW402B02H	0.005 U	200	0.003 U	0.03	90	0.16	7.3	57							
11/9/2005	XX	GW402B049	0.005 U	220	0.003 U	0.01	98	0.14	5.6	60							

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

(402B)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
5/5/2006	XX	GW402B095	0.005 U	170	0.004 B	0.02	81	1.1	15	47							
8/2/2006	XX	GW402B07D	0.005 U	200	0.003 U	0.03	78	0.68	6.3	52							
10/30/2006	XX	GW402B061	0.005 U	140	0.003 U	0.02	64	1.4	23	37							
5/7/2007	XX	GW402B0AH	0.005 U	150		0.025	68	1.5	10	38							
8/14/2007	XX	GW402B0CA	0.005 U	170		0.03	72	0.18	6.1	47							
11/5/2007	XX	GW402B0E2	0.005 U	160		0.023	76	2	24	38							
6/11/2008	XX	GW402B0GA	0.005 U	170		0.015	76	0.17	6.7	42							
8/20/2008	XX	GW402B0IA	0.005 U	180		0.02	64	0.19	5.7	39							
8/20/2008	XD	GWDP4X0H5	0.005 U	170		0.02	68	0.2	5.8	41							
10/27/2008	XX	GW402B0JI	0.005 U	180		0.02	86	0.85	12	42							
5/13/2009	XX	GW402B11I	0.005 U	160		0.028	80	0.32	3.6	40							
8/13/2009	XX	GW402B13I	0.005 U	200		0.015	100	0.23	5.6	50							
8/13/2009	XD	GWDP4X12D	0.005 U	180		0.01 U	100	0.21	5.6	50							
10/28/2009	XX	GW402B156	0.005 U	120		0.014	59	0.23	4.3	35							
6/3/2010	XX	GW402B177	0.005 U	180		0.017	82	0.81	6	36							
8/17/2010	XX	GW402B198	0.005 U	140		0.015	69	0.21	6.1	31							
8/17/2010	XD	GWDP4X183	0.005 U	130		0.014	64	0.23	5.8	30							
10/19/2010	XX	GW402B1AG	0.005 U	130		0.033	60	0.17	5	33							
5/16/2011	XX	GW402B1DH	0.005 U	120		0.015	62	0.33	9.2	26							
8/8/2011	XX	GW402B1F8	0.0016 U	130		0.012	64	0.19	6.3	32							
11/1/2011	XX	GW402B1GJ	0.0016 U	120		0.014 J	68	0.3	8.8	35							
5/16/2012	XX	GW402B1ID	0.005 U	110		0.016	64	0.59	11	30							
8/15/2012	XX	GW402B206	0.005 U	120		0.012	38	0.35	9.7	33							
10/31/2012	XX	GW402B220	0.005 U	130		0.061	70	1.5	13	36							
5/20/2013	XX	GW402B23E	0.005 U	110		0.011	58	0.34	8.2	26							
7/22/2013	XX	GW402B258	0.005 U	130		0.01 U	58	0.3	8.7	29							
9/30/2013	XX	GW402B272	0.005 U	130		0.01	65	0.54	8.6	29							
6/4/2014	XX	GW402B28G	0.008 U	136		0.1 U	69.3	1.01	6.29	30.3							
8/19/2014	XX	GW402B2AA	0.008 U	137		0.1 U	66.2	0.513	8.46	29.5							
11/11/2014	XX	GW402B2C4	0.008 U	124		0.1 U	64.7	0.418	8.18	29.3							
6/4/2015	XX	GW402B2E0	0.008 U	121		0.136	66.9	2.53	6.55	26.9							
9/1/2015	XX	GW402B2FF	0.008 U	143		0.1 U	80.5	0.625	10.8	34.1							
11/3/2015	XX	GW402B2H9	0.008 U	119		0.1 U	68.7	1.63	13.4	27.6							
6/14/2016	XX	GW402B30J	0.008 U	132		0.1 U	71.7	0.656	7.9	29.1							
9/20/2016	XX	GW402B32D	0.008 U	139		0.1 U	68.4	0.69	10.7	29.3							
11/9/2016	XX	GW402B347	0.008 U	138		0.1 U	70.9	0.454	11.9	30.9							
6/14/2017	XX	GW402B362	0.008 U	135		0.1 U	75	0.824	9.28	28.6							
8/29/2017	XX	GW402B37G	0.008 U	126		0.1 U	65.1	0.58	10.4	27.4							
11/15/2017	XX	GW402B39A	0.008 U	125		0.1 U	68.6	0.789	10.9	27.6							
6/20/2018	XX	GW402B3B5	0.008 U	138		0.1 U	66.9	2.48	10.2	28.4							
8/15/2018	XX	GW402B3DE	0.008 U	121		0.1 U	68.8	0.481	11	25.6							
11/28/2018	XX	GW402B3ED	0.008 U	128		0.129	65.9	5.04	11.7	26.7							
6/5/2019	XX	GW402B3G8	0.008 U	124		0.1 U	67.8	0.452	8.42	24.5							
8/13/2019	XX	GW402B3IH	0.008 U	117		0.1 U	68	0.891	11.9	25.6							
10/22/2019	XX	GW402B3JG	0.008 U	123		0.1 U	68.3	1.32	13.4	26.7							
LDS																	
6/10/2008	XX	LDSXX39597	0.01	130		3.2	38	6.2	1 U	25							
8/19/2008	XX	LDSXX39687	0.008	140		5.4	38	7.7	18	22							
10/22/2008	XX	LDSXX39736	0.006	190		10	41	12	20	21							

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

(LDS) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
5/7/2009	XX	LDSXX39940	0.015	210		21	83	14	66	33							
8/12/2009	XX	LDSXX40037	0.018	150		19	75	11	60	36							
10/27/2009	XX	LDSXX40113	0.0092	160		9.8	61	8.9	50	30							
6/7/2010	XX	GWXXXX1B8	0.029	180		24	83	8.2	93	35							
8/18/2010	XX	GWXXXX1B9	0.034	140		16	75	5.4	110	37							
10/21/2010	XX	GWXXXX1BA	0.021	130		14	64	5.3	60	34							
5/18/2011	XX	LTXXXX1EF	0.013	110		9.1	39	5.8	32	26							
8/10/2011	XX	LTXXXX1G6	0.018	95		6.4	31	4.6	23	21							
11/2/2011	XX	LTXXXX1HH	0.014	110		6.8	37	5.2	27	25							
5/14/2012	XX	LTXXXX1JB	0.0062	170		8.4	73	6.2	70	41							
8/14/2012	XX	LTXXXX214	0.0061	29		4.8	26	1.5	5.5	5.1							
10/30/2012	XX	LTXXXX22I	0.019	150		6.2	67	5	73	39							
5/21/2013	XX	LTXXXX24C	0.01	140		6.5	62	5.3	56	36							
7/25/2013	XX	LTXXXX266	0.018	140		6.2	56	5.2	58	36							
10/1/2013	XX	LTXXXX280	0.017	150		6.3	59	5.1	50	34							
6/5/2014	XX	LTXXXX29E	0.02	159		5.91	82.6	4.53	89.8	44.1							
8/21/2014	XX	LTXXXX2B8	0.01	106		2.87	34.1	2.82	27.9	26.6							
11/13/2014	XX	LTXXXX2D2	0.008	122		3.05	30	1.71	17	27.3							
6/4/2015	XX	LTXXXX2EI	0.011	112		5.41	34.1	3.66	20.7	27							
9/3/2015	XX	LTXXXX2GD	0.018	120		5.98	33.1	3.95	23.4	29.6							
11/5/2015	XX	LTXXXX2I7	0.011	123		5.7	34.9	4.31	21.9	27.6							
6/16/2016	XX	LTXXXX31H	0.016	134		5.33	39.5	4.5	27.8	28.7							
9/22/2016	XX	LTXXXX33B	0.018	128		5.6	37.5	4.47	26.1	30.3							
11/10/2016	XX	LTXXXX355	0.008	120		5.64	34.9	4.34	23.3	26.9							
6/15/2017	XX	LTXXXX370	0.0143	160		5.21	63	5.55	57.2	37.9							
8/31/2017	XX	LTXXXX38E	0.016	140		4.13	47.9	4.4	41.4	34.2							
11/16/2017	XX	LTXXXX3A8	0.01	122		4.08	48	3.96	35.4	29.6							
6/21/2018	XX	LTXXXX3C3	0.018	143		5.12	53.8	4.66	43.8	32							
8/16/2018	XX	LTXXXX3CI	0.017	138		5.07	51.1	4.46	44	33							
11/29/2018	XX	LTXXXX3FB	0.011	146		3.98	84.3	3.99	75.6	45							
6/6/2019	XX	LTXXXX3H6	0.01	157		5.06	87.9	5.46	70.3	41.1							
8/15/2019	XX	LTXXXX3I1	0.015	144		5.16	71	4.86	62.9	38.2							
10/24/2019	XX	LTXXXX40E	0.013	133		7.9	48.7	3.76	36.6	33							
LPD2																	
5/19/2005	XX	LTLPD2003	0.005 U	31		2.1	11	0.21	3	2.3							
8/2/2005	XX	LTLPD201F	0.005 U	62		1.8	61	0.67	10	9.8							
10/26/2005	XX	LTLPD2037	0.005 U	32		8.7	12	3.1	3.4	2.3							
5/10/2006	XX	LTLPD2083	0.005 U	31		0.47	9.3	0.15	2.6	2							
7/24/2006	XX	LTLPD206B	0.005 U	28		2.3 B	10	0.53	2.7	2.5							
10/10/2006	XX	LTLPD204J	0.005 U	50		2	52	0.6	9	9.1							
5/21/2007	XX	LTLPD209F	0.005 U	26		0.59	9.3	0.15	3.2	2							
8/6/2007	XX	LTLPD20B8	0.017	45		5.6	60	0.06	10	12							
10/24/2007	XX	LTLPD20D0	0.005 U	22		1.8	11	0.47	3.8	2.1							
5/28/2008	XX	LTLPD20F8	0.005 U	30		1.4	16	0.45	3.6	2.9							
8/11/2008	XX	LTLPD20H8	0.005 U	32		0.54	9.6	0.19	1.7	1.6							
10/15/2008	XX	LTLPD20IG	0.005 U	35		2.4	9.5	0.27	3.7	2.2							
5/6/2009	XX	LTLPD210G	0.005 U	23		0.77	7.9	0.11	2.2	1.5							
5/6/2009	XD	GWDP2X10B	0.005 U	23		0.77	7.8	0.11	2.3	1.5							
8/4/2009	XX	LTLPD212G	0.005 U	23		1.2	7	0.26	1.4	1.2							

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

(LPD2)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
10/19/2009	XX	LTLPD2144	0.005 U	22		1.2	7.5	0.23	2.8	1.7							
10/19/2009	XD	GWDP2X15F	0.005 U	23		1.2	7.8	0.24	3	1.7							
5/25/2010	XX	LTLPD2165	0.005 U	45		1.4	17	1	4	3							
8/2/2010	XX	LTLPD2186	0.005 U	19		4.2	16	0.25	3.2	2.7							
10/12/2010	XX	LTLPD219E	0.005 U	25		2.6	8.3	0.7	3	1.5							
10/12/2010	XD	GWDP2X1B5	0.005 U	13		1.4	4.4	0.38	1.6	1.2							
5/18/2011	XX	LTXXXX1EE	0.005 U	13		0.4	2.8	0.023	1.5	1 U							
8/10/2011	XX	LTXXXX1G5	0.01	36		4.7	36	0.83	6.8	6.8							
11/2/2011	XX	LTXXXX1HG	0.0025 J	40		7.5	18	2	5.1	2.8							
5/14/2012	XX	LTXXXX1JA	0.005 U	19		0.53	4.6	0.055	1.8	1							
8/14/2012	XX	LTXXXX213	0.023	130		6.5	54	5.1	52	36							
10/30/2012	XX	LTXXXX22H	0.005 U	36		4.9	12	2	4.9	2.1							
5/21/2013	XX	LTXXXX24B	0.005 U	12		0.83	4.3	0.074	1.4	1 U							
7/25/2013	XX	LTXXXX265	0.005 U	16		1.4	7.2	0.29	2.2	1.6							
10/1/2013	XX	LTXXXX27J	0.005 U	24		3.4	6.7	0.43	2.5	1.3							
6/5/2014	XX	LTXXXX29D	0.008 U	17.4		1.3	5.74	0.277	1.62	1 U							
8/21/2014	XX	LTXXXX2B7	0.024	36.5		9.6	31	1.38	6.58	5.18							
11/13/2014	XX	LTXXXX2D1	0.008	35.2		13	9.16	3.2	3.16	1.7							
6/4/2015	XX	LTXXXX2EH	0.008 U	16.2		1.23	3.82	0.09	1.61	1 U							
9/3/2015	XX	LTXXXX2GC	0.008 U	23.8		1.76	12.3	0.261	3.86	2.39							
11/5/2015	XX	LTXXXX2I6	0.009	37.4		15.2	14	4.12	3.98	2.16							
6/16/2016	XX	LTXXXX31G	0.008 U	46.1		1.78	37.2	0.975	5.6	5.86							
9/22/2016	XX	LTXXXX33A	D	D		D	D	D	D	D							
11/10/2016	XX	LTXXXX354	D	D		D	D	D	D	D							
6/15/2017	XX	LTXXXX36J	0.008 U	21.5		1.97	7.03	0.408	2.15	1.54							
8/31/2017	XX	LTXXXX38D	0.008 U	41.8		3.54	31.8	1.22	6.75	6.19							
11/16/2017	XX	LTXXXX3A7	0.008 U	38.1		5.62	9.67	1.93	3.4	1.99							
6/21/2018	XX	LTXXXX3C2	0.008 U	32.6		2.27	21.1	0.638	4.06	3.61							
8/16/2018	XX	LTXXXX3CH	0.008 U	22.9		0.792	12.2	0.245	3.3	2.21							
11/29/2018	XX	LTXXXX3FA	0.008 U	39.2		8.37	9.18	2.78	3.13	1.74							
6/6/2019	XX	LTXXXX3H5	0.008 U	14.8		1.28	3.32	0.0706	1.15	1 U							
8/15/2019	XX	LTXXXX3I0	0.008 U	39.9		3.18	27.6	1.04	4.96	4.68							
10/24/2019	XX	LTXXXX40D	0.008 U	23.6		3.62	7.44	1.02	2.82	1.57							
ND																	
5/3/2000	XX	NDXX36649				D				D							
8/9/2000	XX	NDXX36747				D				D							
11/8/2000	XX	NDXX36838				D				D							
5/16/2001	XX	NDXX37027	D			D		D	D	D							
7/31/2001	XX	NDXX37103	D			D		D	D	D							
10/23/2001	XX	NDXX37187	D			D		D	D	D							
5/21/2002	XX	NDXX37397	D	D		D	D	D	D	D							
7/30/2002	XX	NDXX37467	D	D		D	D	D	D	D							
10/22/2002	XX	NDXX37551	D	D		D	D	D	D	D							
6/23/2003	XX	NDXX37795	D	D		D	D	D	D	D							
8/13/2003	XX	NDXX37846	D	D		D	D	D	D	D							
10/20/2003	XX	NDXX37914	D	D		D	D	D	D	D							
5/6/2004	XX	NDXX38113	D	D		D	D	D	D	D							
7/27/2004	XX	NDXX38195	D	D		D	D	D	D	D							
10/25/2004	XX	NDXX38285	D	D		D	D	D	D	D							

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

(ND)			Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
Date	Type	Sample ID															
5/12/2005	XX	SWNDXX016	D	D		D	D	D	D	D							
7/25/2005	XX	SWNDXX02I	D	D		D	D	D	D	D							
11/10/2005	XX	SWNDXX04A	0.005 U	26		0.64	3	0.04	4.4	1.3							
5/2/2006	XX	SWNDXX096	0.005 U	26		3.5	3.4	0.26	6.2	2.1							
8/3/2006	XX	SWNDXX07E	D	D		D	D	D	D	D							
10/18/2006	XX	SWNDXX062	D	D		D	D	D	D	D							
5/21/2007	XX	SWNDXX0AI	D	D		D	D	D	D	D							
8/8/2007	XX	SWNDXX0CB	D	D		D	D	D	D	D							
11/6/2007	XX	SWNDXX0E3	D	D		D	D	D	D	D							
6/11/2008	XX	SWNDXX0GB	0.005 U	52		0.26	4.9	0.041	7.1	2.4							
8/19/2008	XX	SWNDXX0IB	D	D		D	D	D	D	D							
10/22/2008	XX	SWNDXX0JJ	D	D		D	D	D	D	D							
5/18/2009	XX	SWNDXX11J	D	D		D	D	D	D	D							
8/17/2009	XX	SWNDXX13J	D	D		D	D	D	D	D							
10/29/2009	XX	SWNDXX157	D	D		D	D	D	D	D							
6/7/2010	XX	SWNDXX178	0.005 U	59		0.053	2.6	0.021	3.8	1							
8/18/2010	XX	SWNDXX199	D	D		D	D	D	D	D							
10/21/2010	XX	SWNDXX1AH	D	D		D	D	D	D	D							
5/18/2011	XX	SWXXXX1E9	0.005 U	30		0.082	2.6	0.53	2.6	1.1							
8/10/2011	XX	SWXXXX1G0	D	D		D	D	D	D	D							
11/2/2011	XX	SWXXXX1HB	D	D		D	D	D	D	D							
5/14/2012	XX	SWXXXX1J5	D	D		D	D	D	D	D							
8/14/2012	XX	SWXXXX20I	F6	F6		F6	F6	F6	F6	F6							
10/29/2012	XX	SWXXXX22C	D	D		D	D	D	D	D							
5/21/2013	XX	SWXXXX246	D	D		D	D	D	D	D							
7/24/2013	XX	SWXXXX260	D	D		D	D	D	D	D							
10/1/2013	XX	SWXXXX27E	D	D		D	D	D	D	D							
6/5/2014	XX	SWXXXX298	D	D		D	D	D	D	D							
8/21/2014	XX	SWXXXX2B2	D	D		D	D	D	D	D							
11/13/2014	XX	SWXXXX2CG	D	D		D	D	D	D	D							
6/4/2015	XX	SWXXXX2EC	D	D		D	D	D	D	D							
9/3/2015	XX	SWXXXX2G7	D	D		D	D	D	D	D							
11/5/2015	XX	SWXXXX2I1	I	I		I	I	I	I	I							
6/16/2016	XX	SWXXXX31B	D	D		D	D	D	D	D							
9/22/2016	XX	SWXXXX335	D	D		D	D	D	D	D							
11/10/2016	XX	SWXXXX34J	D	D		D	D	D	D	D							
6/15/2017	XX	SWXXXX36E	D	D		D	D	D	D	D							
8/31/2017	XX	SWXXXX388	D	D		D	D	D	D	D							
11/16/2017	XX	SWXXXX3A2	D	D		D	D	D	D	D							
6/21/2018	XX	SWXXXX3BH	D	D		D	D	D	D	D							
8/16/2018	XX	SWXXXX3CC	D	D		D	D	D	D	D							
6/6/2019	XX	SWXXXX3H0	D	D		D	D	D	D	D							
8/15/2019	XX	SWXXXX3HF	D	D		D	D	D	D	D							
10/24/2019	XX	SWXXXX408	I	I		I	I	I	I	I							
PBF																	
5/3/2000	XX	PBFXX36649				0.17		0.057	0.84	2.73							
8/9/2000	XX	PBFXX36747				0.111		0.06	2.28	18.94							
11/8/2000	XX	PBFXX36838	0.008 U			0.161		0.02	0.7	3.6							
5/16/2001	XX	PBFXX37027	0.008 U			1.424		2.53	2.49	22							

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

(PBF) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
7/31/2001	XX	PBFXX37103	0.008 U			1.13		1.12	1.25	6.1							
10/23/2001	XX	PBFXX37187	0.008 U			0.265		0.69	2.32	19							
5/21/2002	XX	PBFXX37397	0.01 U	67.3		5.39	10.3	2.12	2.356	19.1							
8/8/2002	XX	PBFXX37476	0.01 U	12.1	0.01 U	2.35	3	1.53	0.7	4.4							
10/24/2002	XX	PBFXX37553	0.01 U	2.5	0.01 U	0.216	2	0.02	0.69	2.9							
6/26/2003	XX	PBFXX37798	0.005 U	8	0.003 U	0.67	2	0.33	1 U	2.9							
8/13/2003	XX	PBFXX37846	0.005 U	10	0.012	0.82	2.7	0.29	1 U	3.2							
10/23/2003	XX	PBFXX37917	0.005 U	12	0.003 U	0.66	2.5	0.22	1.2	3.5							
5/6/2004	XX	PBFXX38113	0.005 U	7.8	0.003 U	0.9	2.2	0.033	1 U	1.5							
7/27/2004	XX	PBFXX38195	0.005 U	24	0.003 U	1	3.2	1.4	1.3	5							
10/25/2004	XX	PBFXX38285	0.005 U	8.4	0.003 U	0.23	2.3	0.088	1.1	1.9							
5/12/2005	XX	SWPBFX017	0.005 U	8.2	0.003 U	0.51	2	0.14	1.5	1.9							
7/25/2005	XX	SWPBFX02J	0.005 U	6.8	0.003 U	1.3	2	0.82	1 U	2							
11/10/2005	XX	SWPBFX04B	0.005 U	6.5	0.009	0.25	1.8	0.04	1.6	1.9							
5/2/2006	XX	SWPBFX097	0.005 U	14	0.005	0.4	2.6	0.13	2.3	4.7							
8/3/2006	XX	SWPBFX07F	0.005 U	9.4	0.003 U	1.1	2.8	0.14	2.1	2.2							
10/18/2006	XX	SWPBFX063	0.005 U	11	0.003 U	0.32 B	2.6	0.3	2.1	2.6							
5/21/2007	XX	SWPBFX0AJ	0.005 U	8.3	0.004	0.21	2.4	0.033	1.7	2.6							
8/8/2007	XX	SWPBFX0CC	0.005 U	6	0.005	0.41	1.9	0.097	1 U	1.9							
11/6/2007	XX	SWPBFX0E4	0.005 U	7.3	0.003 U	0.3	1.8	0.06	1.5	2.4							
6/11/2008	XX	SWPBFX0GC	0.005 U	44	0.0085	0.4	9.4	0.36	35	16							
8/19/2008	XX	SWPBFX0IC	0.005 U	9.6	0.003 U	0.45	2.5	0.15	2.1	2							
10/22/2008	XX	SWPBFX100	0.005 U	6.4	0.003 U	0.36	2	0.12	1.1	1.7							
5/7/2009	XX	SWPBFX120	0.005 U	5.2		0.43	1.4	0.28	1 U	1.5							
8/12/2009	XX	SWPBFX140	0.005 U	24	0.003 U	0.58	2.6	0.99	2.2	2.9							
10/27/2009	XX	SWPBFX158	0.005 U	10	0.003 U	0.1	1.7	0.04	2.4	2.7							
6/7/2010	XX	SWPBFX179	0.005 U	14	0.001 U	0.14	2	0.19	2.5	6.9							
8/18/2010	XX	SWPBFX19A	0.005 U	3.6	0.001 U	0.18	1.2	0.038	1 U	1.4							
10/21/2010	XX	SWPBFX1AI	0.005 U	4.7	0.003 U	0.24	1.3	0.025	1 U	1.6							
5/18/2011	XX	SWXXXX1E8	0.005 U	5.2	0.00029 J	0.31	1.4	0.055	1 U	2.2							
8/10/2011	XX	SWXXXX1FJ	0.0016 U	4.1	0.00034 U	0.21	1.5	0.05	0.43	1.5							
8/10/2011	XD	LTDP3X1G9	0.0016 U	4	0.00034 U	0.2	1.4	0.048	0.42	1.4							
11/2/2011	XX	SWXXXX1HA	0.0016 U	12	0.00028 U	0.093	1.8	0.11	1.6	3.6							
PBFR																	
5/14/2012	XX	SWXXXX1J4	0.005 U	11	0.003 U	0.088	1.6	0.044	2	4.1							
8/14/2012	XX	SWXXXX20H	0.005 U	12	0.0031	2.4	2.2	0.99	1.3	2.6							
10/29/2012	XX	SWXXXX22B	0.005 U	15	0.003 U	0.12	3.1	0.037	1.6	4.2							
10/29/2012	XD	SWDP2X230	0.005 U	14	0.003 U	0.13	3.1	0.041	1.6	4.3							
5/21/2013	XX	SWXXXX245	0.005 U	5	0.003 U	0.27	1.4	0.085	1 U	1.3							
5/21/2013	XD	SWDP2X24E	0.005 U	5	0.003 U	0.27	1.4	0.086	1 U	1.3							
7/24/2013	XX	SWXXXX25J	0.005 U	4.4	0.003 U	0.84	1.2	0.24	1 U	1.2							
7/24/2013	XD	SWDP2X268	0.005 U	4.2	0.003 U	0.44	1.2	0.079	1 U	1.1							
10/1/2013	XX	SWXXXX27D	0.005 U	5	0.003 U	0.43	1.4	0.25	1 U	1.5							
10/1/2013	XD	SWDP3X282	0.005 U	5.9	0.003 U	0.27	1.6	0.064	1 U	1.6							
6/5/2014	XX	SWXXXX297	0.008 U	5.12	0.025 U	0.347	1.5	0.139	1 U	1.58							
6/5/2014	XD	SWDP2X29G	0.008 U	4.93	0.025 U	0.461	1.47	0.132	1 U	1.51							
8/21/2014	XX	SWXXXX2B1	0.008 U	5.22	0.025 U	0.359	1.7	0.153	1 U	1.6							
8/21/2014	XD	SWDP2X2BA	0.008 U	5.15	0.025 U	0.375	1.69	0.158	1 U	1.64							
11/13/2014	XX	SWXXXX2CF	0.008 U	6.54	0.025 U	0.194	1.73	0.0262	1 U	2.06							

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

(PBFR) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
11/13/2014	XD	SWDP3X2D4	0.008 U	6.41	0.025 U	0.185	1.72	0.0244	1 U	2.03							
6/4/2015	XX	SWXXXX2EB	0.008 U	12.3	0.025 U	0.941	1.56	0.948	1.45	4.76							
6/4/2015	XD	SWDP2X2F0	0.008 U	12.1	0.025 U	0.21	1.49	0.652	1.44	4.9							
9/3/2015	XX	SWXXXX2G6	0.008 U	8.2	0.025 U	0.558	2.06	0.73	1 U	2.12							
9/3/2015	XD	SWDP2X2GF	0.008 U	8.01	0.025 U	0.415	2.03	0.531	1 U	2.14							
11/5/2015	XX	SWXXXX2I0	0.008 U	7.18	0.025 U	0.307	1.82	0.038	1 U	2.1							
11/5/2015	XD	SWDP3X2I9	0.008 U	8.04	0.025 U	0.28	1.74	0.052	1.05	2.48							
6/16/2016	XD	SWDP2X31J	0.008 U	5.78	0.025 U	0.267	1.78	0.073	1 U	1.75							
6/16/2016	XX	SWXXXX31A	0.008 U	5.81	0.025 U	0.339	1.82	0.106	1 U	1.81							
9/22/2016	XD	SWDP2X33D	0.008 U	5.9	0.025 U	0.341	1.95	0.125	1 U	2.14							
9/22/2016	XX	SWXXXX334	0.008 U	5.69	0.025 U	0.332	1.96	0.121	1 U	2.08							
11/10/2016	XD	SWDP3X357	0.008 U	7	0.025 U	0.188	2.08	0.02	1 U	1.99							
11/10/2016	XX	SWXXXX34I	0.008 U	6.89	0.025 U	0.173	2.07	0.019	1 U	2							
6/15/2017	XD	SWDP2X372	0.008 U	6.58	0.025 U	0.248	1.77	0.0328	1 U	1.65							
6/15/2017	XX	SWXXXX36D	0.008 U	6.7	0.025 U	0.253	1.8	0.0325	1 U	1.69							
8/31/2017	XD	SWDP2X38G	0.008 U	9.91	0.025 U	1.33	2.48	1.13	1 U	2.07							
8/31/2017	XX	SWXXXX387	0.008 U	8.62	0.025 U	0.296	2.35	0.36	1 U	2.09							
11/16/2017	XD	SWDP3X3AA	0.008 U	10.8	0.025 U	3.74	2.68	2.06	1.2	2.63							
11/16/2017	XX	SWXXXX3A1	0.008 U	11	0.025 U	3.15	2.5	1.62	1.3	2.73							
6/21/2018	XD	SWDP2X3C5	0.008 U	6.3	0.025 U	0.346	1.71	0.0785	1 U	1.68							
6/21/2018	XX	SWXXXX3BG	0.008 U	6.3	0.025 U	0.341	1.69	0.0789	1 U	1.7							
8/16/2018	XD	SWDP2X3D0	0.008 U	6.35	0.025 U	0.383	1.84	0.0957	1 U	1.74							
8/16/2018	XX	SWXXXX3CB	0.008 U	6.65	0.025 U	0.369	1.89	0.0888	1 U	1.8							
11/29/2018	XD	SWDP3X3FD	0.008 U	52.5	0.025 U	0.1 U	4.6	0.0465	1.9	5.02							
11/29/2018	XX	SWXXXX3F4	0.008 U	50.3	0.025 U	0.468	4.54	0.251	1.86	4.83							
6/6/2019	XD	SWDP2X3H8	0.008 U	7.98	0.025 U	0.229	1.74	0.0502	1 U	2.04							
6/6/2019	XX	SWXXXX3GJ	0.008 U	14.7	0.025 U	0.267	2.17	0.548	1.23	2.44							
8/15/2019	XD	SWDP2X3I3	0.008 U	6.23	0.025 U	0.124	1.88	0.0361	1 U	1.89							
8/15/2019	XX	SWXXXX3HE	0.008 U	6.26	0.025 U	0.133	1.88	0.0415	1 U	1.9							
10/24/2019	XX	SWXXXX407	0.008 U	11.8	0.025 U	0.271	1.93	0.0402	1.4	2.44							
10/24/2019	XD	SWDP3X40G	0.008 U	12	0.025 U	0.266	1.96	0.0405	1.38	2.44							
PBFB																	
5/3/2000	XX	PBFBXX36649				0.28		0.054	0.55	1.53							
8/9/2000	XX	PBFBXX36747				2.592		0.07	0.15	1.16							
11/8/2000	XX	PBFBXX36838	0.008 U			0.369		0.09	0.48	1.9							
5/16/2001	XX	PBFBXX37027	0.008 U			0.502		0.09	0.48	1.7							
7/31/2001	XX	PBFBXX37103	0.008 U			1.043		0.23	0.2	1.7							
10/24/2001	XX	PBFBXX37188	0.008 U			0.413		1.58	0.29	2.2							
5/21/2002	XX	PBFBXX37397	0.01 U	3.5		0.388	1	0.21	0.146	2.2							
8/6/2002	XX	PBFBXX37474	0.01 U	6.7		3.18	2	0.99	0.16	1.8							
10/24/2002	XX	PBFBXX37553	0.01 U	2.5		0.392	1	0.15	0.18	2.1							
6/26/2003	XX	PBFBXX37798	0.005 U	5		0.76	2	0.72	1 U	2.1							
8/13/2003	XX	PBFBXX37846	0.005 U	5.4		0.95	1.9	0.15	1 U	2.2							
10/23/2003	XX	PBFBXX37917	0.005 U	4.6		0.57	1	0.5	1 U	1.5							
5/6/2004	XX	PBFBXX38113	0.005 U	6.6		0.9	1.9	0.13	1 U	1.6							
7/27/2004	XX	PBFBXX38195	0.005 U	4.7		1.6	1.5	0.52	1 U	1.9							
10/25/2004	XX	PBFBXX38285	0.005 U	5.8		1.8	1.2	0.62	1 U	1.6							
5/12/2005	XX	SWPBFB018	0.005 U	5.8		0.53	1.6	0.12	1.2	1.5							
7/25/2005	XX	SWPBFB030	0.005 U	7.2		1.6	2	0.52	1.4	2							

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

(PBFB) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
11/10/2005	XX	SWPBFB04C	0.005 U	4.2		0.71	1 U	0.57	1	1.3							
5/2/2006	XX	SWPBFB098	0.005 U	4.4		0.37	1.3	0.12	1.4	1.5							
8/3/2006	XX	SWPBFB07G	0.005 U	6.4		1.2	1.7	0.24	1 U	1.6							
10/18/2006	XX	SWPBFB064	0.005 U	3.9		0.74 B	1 U	0.72	1 U	1.3							
5/21/2007	XX	SWPBFB0B0	0.005 U	3.7		0.36	1	0.1	1 U	1.5							
8/8/2007	XX	SWPBFB0CD	0.005 U	7.1		1.5	1.8	0.59	1 U	1.6							
11/6/2007	XX	SWPBFB0E5	0.005 U	3.8		0.34	1 U	0.23	1 U	1.5							
6/11/2008	XX	SWPBFB0GD	0.005 U	4.8		0.49	1 U	0.13	1 U	1.3							
8/19/2008	XX	SWPBFB0ID	0.005 U	6.4		0.77	1.9	0.33	1 U	1.4							
10/22/2008	XX	SWPBFB101	0.005 U	6.9		0.97	1.5	0.64	1 U	1.6							
5/7/2009	XX	SWPBFB121	0.005 U	3.7		0.51	1.1	0.13	1 U	1.1							
8/12/2009	XX	SWPBFB141	0.005 U	8.1		2.2	1.4	1.4	1 U	1.1							
10/27/2009	XX	SWPBFB159	0.005 U	4		0.39	1 U	0.051	1 U	1.2							
6/7/2010	XX	SWPBFB17A	0.005 U	3.2		4	1 U	0.29	1 U	1 U							
8/18/2010	XX	SWPBFB19B	0.005 U	5.6		0.77	1.5	0.9	1 U	1 U							
10/21/2010	XX	SWPBFB1AJ	0.005 U	3.8		0.29	1 U	0.11	1 U	1.1							
5/18/2011	XX	SWXXXX1E7	0.005 U	3.8		0.35	1.1	0.021	1 U	1.2							
8/10/2011	XX	SWXXXX1FI	0.0016 U	3.9		0.56	1.4	0.068	0.4	1.4							
11/2/2011	XX	SWXXXX1H9	0.0016 U	3.2		0.89	1.1	0.052	0.53 J	1.3							
5/14/2012	XX	SWXXXX1J3	0.005 U	4.6		0.76	1.4	0.05	1 U	1.6							
8/14/2012	XX	SWXXXX20G	0.005 U	4.8		2.3	1	0.18	1 U	1.3							
10/29/2012	XX	SWXXXX22A	0.005 U	4.7		0.27	1.3	0.016	1 U	1.6							
5/21/2013	XX	SWXXXX244	0.005 U	2.6		0.18	1 U	0.017	1 U	1 U							
7/24/2013	XX	SWXXXX25I	0.005 U	4.3		0.52	1.2	0.031	1 U	1.1							
10/1/2013	XX	SWXXXX27C	0.005 U	4.6		0.16	1.3	0.018	1 U	1.3							
6/5/2014	XX	SWXXXX296	0.008 U	4.65		1.34	1.32	0.0816	1 U	1.42							
8/21/2014	XX	SWXXXX2B0	0.008 U	4.48		0.706	1.55	0.0598	1 U	1.45							
11/13/2014	XX	SWXXXX2CE	0.008 U	4.59		0.474	1.54	0.034	1 U	1.58							
6/4/2015	XX	SWXXXX2EA	0.008 U	3.47		0.256	1.24	0.027	1 U	1.32							
9/3/2015	XX	SWXXXX2G5	0.008 U	4.74		0.337	1.58	0.048	1 U	1.64							
11/5/2015	XX	SWXXXX2HJ	0.008 U	4.72		0.349	1.48	0.021	1 U	1.48							
6/16/2016	XX	SWXXXX319	0.008 U	4.7		0.274	1.63	0.029	1 U	1.64							
9/22/2016	XX	SWXXXX333	0.008 U	5.02		0.311	1.72	0.041	1 U	2.1							
11/10/2016	XX	SWXXXX34H	0.008 U	4.16		0.255	1.48	0.018	1 U	1.62							
6/15/2017	XX	SWXXXX36C	0.008 U	5.7		0.515	1.57	0.0566	1 U	1.56							
8/31/2017	XX	SWXXXX386	0.008 U	5.83		0.457	1.95	0.0705	1 U	1.7							
11/16/2017	XX	SWXXXX3A0	0.008 U	7.21		0.337	2.09	0.0287	1 U	2.05							
6/21/2018	XX	SWXXXX3BF	0.008 U	5.28		0.385	1.54	0.0437	1 U	1.6							
8/16/2018	XX	SWXXXX3CA	0.008 U	5.9		0.497	1.75	0.0494	1 U	1.48							
11/29/2018	XX	SWXXXX3F3	0.008 U	7.15		0.252	2.09	0.031	1 U	1.97							
6/6/2019	XX	SWXXXX3GI	0.008 U	4.89		0.511	1.48	0.0595	1 U	1.65							
8/15/2019	XX	SWXXXX3HD	0.008 U	4.38		0.226	1.58	0.0267	1 U	1.48							
10/24/2019	XX	SWXXXX406	0.008 U	5.78		0.952	1.41	0.153	1 U	1.73							
SPO																	
5/3/2000	XX	SPOXX36649				D				D							
8/9/2000	XX	SPOXX36747				D				D							
11/8/2000	XX	SPOXX36838				D				D							
5/16/2001	XX	SPOXX37027	D			D		D	D	D							
7/31/2001	XX	SPOXX37103	D			D		D	D	D							

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

(SPO)

Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L
10/23/2001	XX	SPOXX37187	D			D		D	D	D
5/21/2002	XX	SPOXX37397	D	D		D	D	D	D	D
7/30/2002	XX	SPOXX37467	D	D		D	D	D	D	D
10/22/2002	XX	SPOXX37551	D	D		D	D	D	D	D
6/23/2003	XX	SPOXX37795	D	D		D	D	D	D	D
8/13/2003	XX	SPOXX37846	D	D		D	D	D	D	D
10/20/2003	XX	SPOXX37914	D	D		D	D	D	D	D
5/6/2004	XX	SPOXX38113	0.005 U	27		0.94	3.3	0.14	5.2	3.9
7/27/2004	XX	SPOXX38195	D	D		D	D	D	D	D
10/25/2004	XX	SPOXX38285	D	D		D	D	D	D	D
5/12/2005	XX	SWSPOX01A	D	D		D	D	D	D	D
7/25/2005	XX	SWSPOX032	D	D		D	D	D	D	D
11/10/2005	XX	SWSPOX04E	0.005 U	36		1.4	4.7	0.64	4.6	4
5/2/2006	XX	SWSPOX09A	0.005 U	29		1.3	3.2	0.2	7	8.7
8/3/2006	XX	SWSPOX07I	0.005 U	26		5.7	2.6	3.6	3.7	4.5
10/18/2006	XX	SWSPOX066	0.005 U	15		2.2 B	1.8	0.36	3.9	4.4
5/21/2007	XX	SWSPOX0B2	0.005 U	19		0.86	2.6	0.21	2.9	7.3
8/9/2007	XX	SWSPOX0CF	D	D		D	D	D	D	D
11/6/2007	XX	SWSPOX0E7	0.005 U	9.8		0.32	1.4	0.04	2.4	2.1
6/11/2008	XX	SWSPOX0GF	0.005 U	12		0.91	1.4	0.17	1.6	2.1
8/19/2008	XX	SWSPOX0GJ	D	D		D	D	D	D	D
10/22/2008	XX	SWSPOX103	D	D		D	D	D	D	D
5/7/2009	XX	SWSPOX123	0.005 U	19		0.52	2.4	0.14	2.2	5.8
8/17/2009	XX	SWSPOX127	D	D		D	D	D	D	D
10/27/2009	XX	SWSPOX15B	0.005 U	11		0.31	1.4	0.036	2.4	2.7
6/7/2010	XX	SWSPOX17C	0.005 U	12		1.6	1.3	0.2	1.3	5
8/18/2010	XX	SWSPOX17H	D	D		D	D	D	D	D
10/21/2010	XX	SWSPOX1B1	D	D		D	D	D	D	D
5/18/2011	XX	SWXXXX1EA	0.005 U	13		0.3	1.6	0.036	1.1	3.1
8/10/2011	XX	SWXXXX1G1	F6	F6		F6	F6	F6	F6	F6
11/2/2011	XX	SWXXXX1HC	F6	F6		F6	F6	F6	F6	F6
5/14/2012	XX	SWXXXX1J6	0.005 U	13		0.52	1.9	0.066	2.7	5.2
8/14/2012	XX	SWXXXX20J	F6	F6		F6	F6	F6	F6	F6
10/29/2012	XX	SWXXXX22D	0.005 U	14		1	1.8	0.71	3.3	5.5
5/21/2013	XX	SWXXXX247	0.005 U	8.4		2.2	1.4	0.55	1 U	3.1
7/24/2013	XX	SWXXXX261	0.005 U	8.4		1.8	1 U	0.39	1.1	1.2
10/1/2013	XX	SWXXXX27F	I	I		I	I	I	I	I
6/5/2014	XX	SWXXXX299	D	D		D	D	D	D	D
8/21/2014	XX	SWXXXX2B3	I	I		I	I	I	I	I
11/13/2014	XX	SWXXXX2CH	0.008 U	9.92		0.601	1.27	0.094	1.76	1.96
6/4/2015	XX	SWXXXX2ED	0.008 U	13		4.35	1.89	0.686	1.11	3
9/3/2015	XX	SWXXXX2G8	D	D		D	D	D	D	D
11/5/2015	XX	SWXXXX2I2	0.008 U	12		0.36	1.5	0.047	1.54	1.9
6/16/2016	XX	SWXXXX31C	D	D		D	D	D	D	D
9/22/2016	XX	SWXXXX336	D	D		D	D	D	D	D
11/10/2016	XX	SWXXXX350	I	I		I	I	I	I	I
6/15/2017	XX	SWXXXX36F	I	I		I	I	I	I	I
8/31/2017	XX	SWXXXX389	D	D		D	D	D	D	D
11/16/2017	XX	SWXXXX3A3	D	D		D	D	D	D	D
6/21/2018	XX	SWXXXX3BI	D	D		D	D	D	D	D

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

(SPO) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
8/16/2018	XX	SWXXXX3CD	D	D		D	D	D	D	D							
6/6/2019	XX	SWXXXX3H1	0.008 U	20.8		2.18	2.55	0.715	1.44	2.26							
8/15/2019	XX	SWXXXX3HG	D	D		D	D	D	D	D							
10/24/2019	XX	SWXXXX409	0.008 U	11.7		0.331	1.33	0.0434	3.85	1.33							
SPON																	
5/12/2005	XX	SWSPON01B	0.005	84		6.2	14	8.7	24	10							
7/25/2005	XX	SWSPON033	D	D		D	D	D	D	D							
11/10/2005	XX	SWSPON04F	0.005 U	110		1.2	21	9.3	14	13							
5/2/2006	XX	SWSPON09B	0.005 U	81		3.2	18	9.9	10	14							
8/3/2006	XX	SWSPON07J	0.005 U	200		1.5	61	17	82	36							
10/18/2006	XX	SWSPON067	0.005 U	90		1.4 B	23	6.4	20	16							
5/21/2007	XX	SWSPON0B3	0.005 U	78		0.56	16	1.5	14	14							
8/9/2007	XX	SWSPON0CG	D	D		D	D	D	D	D							
11/6/2007	XX	SWSPON0E8	0.005 U	42		0.73	7.1	0.82	7.6	4.1							
6/11/2008	XX	SWSPON0GG	0.005 U	48		1.4	8.1	0.59	17	5.8							
8/19/2008	XX	SWSPON0H0	0.005 U	75		2.6	15	9.5	13	8.8							
10/22/2008	XX	SWSPON104	0.005 U	130		1.2	26	8	22	16							
5/7/2009	XX	SWSPON124	0.005 U	77		0.31	23	0.4	14	16							
8/12/2009	XX	SWSPON128	0.005 U	76		0.8	13	1.6	6.9	7.5							
10/27/2009	XX	SWSPON15C	0.005 U	70		0.23	11	1.6	8.4	6.9							
6/7/2010	XX	SWSPON17D	0.005 U	62		0.42	5.6	0.8	3.8	2.7							
8/18/2010	XX	SWSPON17I	D	D		D	D	D	D	D							
10/21/2010	XX	SWSPON1B2	0.005 U	81		0.3	19	6	11	11							
5/18/2011	XX	SWXXXX1EB	0.005 U	45		0.16	8.9	1.1	6.8	5.8							
8/10/2011	XX	SWXXXX1G2	D	D		D	D	D	D	D							
11/2/2011	XX	SWXXXX1HD	0.0016 U	94		0.42	30	9.1	20	19							
5/14/2012	XX	SWXXXX1J7	0.005 U	37		0.86	8	1.4	8.2	4.8							
8/14/2012	XX	SWXXXX210	F6	F6		F6	F6	F6	F6	F6							
10/29/2012	XX	SWXXXX22E	0.005 U	100		1.3	27	10	21	18							
5/21/2013	XX	SWXXXX248	0.005 U	76		0.85	26	3.4	18	18							
7/24/2013	XX	SWXXXX262	0.005 U	37		4.7	12	4.8	8.9	5.3							
10/1/2013	XX	SWXXXX27G	0.005 U	86		1.3	26	7.6	17	16							
6/5/2014	XX	SWXXXX29A	0.008 U	100		1.38	35.2	8.36	25.4	25.2							
8/21/2014	XX	SWXXXX2B4	0.008 U	56.8		0.686	21.9	1.58	27.2	12.2							
11/13/2014	XX	SWXXXX2CI	0.008 U	77		6.89	24	7.67	15.2	15.4							
6/4/2015	XX	SWXXXX2EE	0.008 U	75.3		8.66	24.4	8.78	14.7	20							
9/3/2015	XX	SWXXXX2G9	0.008 U	105		3.68	34.6	16.2	18.6	24.7							
11/5/2015	XX	SWXXXX2I3	0.008 U	73.9		1.3	24.7	5.92	15.2	17.1							
6/16/2016	XX	SWXXXX31D	0.008 U	89		0.48	31.1	3.75	18.6	30.6							
9/22/2016	XX	SWXXXX337	D	D		D	D	D	D	D							
11/10/2016	XX	SWXXXX351	0.008 U	196		0.15	36.6	0.198	11.7	13							
6/15/2017	XX	SWXXXX36G	0.008 U	94		0.199	34.7	0.692	5.83	21.7							
8/31/2017	XX	SWXXXX38A	D	D		D	D	D	D	D							
11/16/2017	XX	SWXXXX3A4	0.008 U	185		0.17	33.3	0.383	9.4	15.6							
6/21/2018	XX	SWXXXX3BJ	D	D		D	D	D	D	D							
8/16/2018	XX	SWXXXX3CE	D	D		D	D	D	D	D							
11/29/2018	XX	SWXXXX3F7	0.008 U	98.4		0.744	15.7	0.971	4.47	5.91							
6/6/2019	XX	SWXXXX3H2	0.008 U	93.6		0.394	24.9	4.28	10.9	13.8							
8/15/2019	XX	SWXXXX3HH	0.008 U	62.8		1.55	21	1.95	3.87	18.4							

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

(SPON) Date	Type	Sample ID	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L							
10/24/2019	XX	SWXXXX40A	0.008 U	87.8		0.606	11.1	0.223	4.36	3.85							
SPOS																	
5/12/2005	XX	SWSPOS01C	0.006	58		25	12	4.2	3.5	36							
7/25/2005	XX	SWSPOS034	0.005 U	27		6.9	8	3.7	1 U	2							
11/10/2005	XX	SWSPOS04G	0.005 U	14		0.08	4.8	0.05	1.6	3.2							
5/2/2006	XX	SWSPOS09C	0.005 U	15		0.19	4.6	0.04	1.6	4.4							
8/3/2006	XX	SWSPOS080	0.005 U	24		0.32	7	0.22	1.4	4							
10/18/2006	XX	SWSPOS068	0.005 U	17		0.09 B	5.3	0.04	2.6	3.9							
5/21/2007	XX	SWSPOS0B4	0.005 U	11		0.051	3.9	0.011	1.4	4.7							
8/8/2007	XX	SWSPOS0CH	0.005 U	19		3.6	4.9	4.8	1 U	1.5							
11/6/2007	XX	SWSPOS0E9	0.005 U	12		0.06	4	0.01	1.3	4							
11/6/2007	XD	SWDP4X0F1	0.005 U	12		0.06	4	0.01	1.3	4.1							
6/11/2008	XX	SWSPOS0GH	0.005 U	14		0.23	3.6	0.12	1.6	4.7							
8/19/2008	XX	SWSPOS0H1	0.005 U	24		1	6.9	1.3	1.3	3.8							
10/22/2008	XX	SWSPOS105	0.005 U	23		0.15	6.2	0.17	4.9	5							
5/7/2009	XX	SWSPOS125	0.005 U	13		0.059	3.9	0.04	1.2	3.7							
8/12/2009	XX	SWSPOS129	0.005 U	28		0.72	5.9	1.1	1.3	3.6							
10/27/2009	XX	SWSPOS15D	0.005 U	11		0.071	3.3	0.034	1.2	3							
6/7/2010	XX	SWSPOS17E	0.005 U	12		0.21	3.3	0.18	1.3	4							
8/18/2010	XX	SWSPOS17J	D	D		D	D	D	D	D							
10/21/2010	XX	SWSPOS1B3	0.005 U	16		0.1	4.7	0.063	1	4							
10/21/2010	XD	SWDP4X1B7	0.005 U	16		0.097	4.7	0.06	1 U	3.8							
5/18/2011	XX	SWXXXX1EC	0.005 U	10		0.047	3.1	0.01 U	1.2	3.1							
8/10/2011	XX	SWXXXX1G3	F6	F6		F6	F6	F6	F6	F6							
11/2/2011	XX	SWXXXX1HE	0.0016 U	14		0.08	4.4	0.041	0.84 J	3.6							
5/14/2012	XX	SWXXXX1J8	0.005 U	12		0.045	3.7	0.012	1.4	3.1							
8/14/2012	XX	SWXXXX211	F6	F6		F6	F6	F6	F6	F6							
10/29/2012	XX	SWXXXX22F	0.005 U	17		0.076	5	0.039	1.5	4.2							
5/21/2013	XX	SWXXXX249	0.005 U	13		0.045	4	0.029	1.3	2.9							
7/24/2013	XX	SWXXXX263	0.005 U	14		0.2	4.4	0.14	1 U	2.8							
10/1/2013	XX	SWXXXX27H	0.005 U	22		0.26	6.8	0.24	1 U	3.5							
6/5/2014	XX	SWXXXX29B	0.008 U	22.5		0.175	6.63	0.507	1.55	3.73							
8/21/2014	XX	SWXXXX2B5	0.008 U	21.7		3.13	5.93	2.37	1 U	2.29							
11/13/2014	XX	SWXXXX2CJ	0.008 U	11.7		0.1 U	3.95	0.0394	1.13	2.84							
6/4/2015	XX	SWXXXX2EF	0.008 U	11.2		0.223	3.9	0.122	1.16	2.57							
9/3/2015	XX	SWXXXX2GA	0.008 U	28.8		7.42	7.02	5.34	1 U	3.13							
11/5/2015	XX	SWXXXX2I4	0.008 U	12.6		0.1 U	4.2	0.046	1.02	2.73							
6/16/2016	XX	SWXXXX31E	D	D		D	D	D	D	D							
9/22/2016	XX	SWXXXX338	D	D		D	D	D	D	D							
11/10/2016	XX	SWXXXX352	0.008 U	27.5		0.196	6.14	0.101	1.7	4							
6/15/2017	XX	SWXXXX36H	0.008 U	20.6		0.218	4.99	0.131	1 U	3.11							
8/31/2017	XX	SWXXXX38B	D	D		D	D	D	D	D							
11/16/2017	XX	SWXXXX3A5	0.008 U	14.9		0.1 U	4.35	0.0785	1	2.94							
6/21/2018	XX	SWXXXX3C0	0.008 U	25.7		0.553	6.35	0.131	1 U	3.7							
8/16/2018	XX	SWXXXX3CF	0.008 U	21.4		0.568	5.36	0.606	1 U	2.7							
11/29/2018	XX	SWXXXX3F8	0.008 U	12.1		0.1 U	3.6	0.206	1 U	2.56							
6/6/2019	XX	SWXXXX3H3	0.008 U	15.2		0.33	4.39	0.0919	1.41	2.45							
8/15/2019	XX	SWXXXX3HI	0.008 U	24.4		0.704	5.88	0.211	1 U	3.34							
10/24/2019	XX	SWXXXX40B	0.008 U	14		0.132	3.94	0.0265	1.71	2.67							

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

(SPOS)	Arsenic mg/L	Calcium mg/L	Copper mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Potassium mg/L	Sodium mg/L
Date Type Sample ID								

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

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

B - Compound is found in the associated quality control blank as well as sample.
D - The sampling location was dry.
E - Compound exceeded upper level of calibration range and required dilution.
F6 - No flow. Sample not taken.
I - The sampling location yielded insufficient quantity to collect a sample.
J - Analyte was positively identified/Associated value is an estimate.
U - Not Detected above the laboratory reporting limit.

SUMMARY REPORT

LP Metals (part 1 of 2)

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

(LP) 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	
LP																	
5/7/2009	XX	LTLPXX10F			0.0096				280				13		110	20	
8/12/2009	XX	LTLPXX12F			0.023				340				55		120	18	
10/27/2009	XX	LTLPXX143	0.27	0.0055	0.015	0.17	0.002 U	0.0004 U	190	0.005 U	0.05 U	0.003 U	24	0.003 U	50	7	
6/7/2010	XX	LTLPXX164			0.022				160				23		66	3.8	
6/7/2010	XD	LTDP4X162			0.027 J				160				23		68	5	
8/18/2010	XX	LTLPXX185			0.021				41				1.2		160	1.3	
10/21/2010	XX	LTLPXX19D	0.12	0.003 U	0.0094	0.17	0.002 U	0.00071	210	0.005 U	0.05 U	0.003 U	12	0.003 U	97	5.4	
5/18/2011	XX	LTXXXX1ED			0.0097				130				9.2		42	5.4	
5/18/2011	XD	LTXXXX1EI			0.0091				130				9.7		44	5.6	
8/10/2011	XX	LTXXXX1G4			0.028				40				5.6		140	1.7	
11/2/2011	XX	LTXXXX1HF	0.052	0.00035 U	0.0036 J	0.13	0.00002 U	0.00015 J	160	0.0036 J	0.0064 J	0.00028 U	6.3	0.00077 U	86	6	
11/2/2011	XD	LTDP3X1I0	0.054	0.00035 U	0.005	0.13	0.00002 U	0.00013 U	160	0.0036 J	0.0065 J	0.00028 U	6.7	0.00077 U	91	6.4	
5/14/2012	XX	LTXXXX1J9			0.005 U				130				8.3		41	5.1	
8/15/2012	XX	LTXXXX212			0.027				30				7.6		150	0.95	
8/15/2012	XD	LTDP3X217			0.028				28				7.3		140	0.92	
10/30/2012	XX	LTXXXX22G			0.01				160				5.4		69	4.8	
5/21/2013	XX	LTXXXX24A			0.025 U				130				3.2		78	3	
7/25/2013	XX	LTXXXX264			0.018				38				2.3		67	1.3	
10/1/2013	XX	LTXXXX27I	0.063	0.003 U	0.0099	0.11	0.002 U	0.0002 U	110	0.005 U	0.05 U	0.003 U	4.6	0.003 U	58	3.5	
6/5/2014	XX	LTXXXX29C			0.008 U				158				1.84		85.8	5.16	
8/21/2014	XX	LTXXXX2B6			0.021				174				6.87		177	5.85	
11/13/2014	XX	LTXXXX2D0	0.3 U	0.008 U	0.014	0.122	0.005 U	0.005 U	149	0.01 U	0.01 U	0.025 U	5.9	0.005 U	44.6	3.98	
6/4/2015	XX	LTXXXX2EG			0.012				123				7.6		47	4.55	
9/3/2015	XX	LTXXXX2GB			0.008				97.7				4.24		112	1.39	
11/5/2015	XX	LTXXXX2I5	0.3 U	0.008 U	0.013	0.12	0.005 U	0.005 U	137	0.01 U	0.01 U	0.025 U	7.08	0.005 U	49.9	3.99	
6/16/2016	XX	LTXXXX31F			0.009				135				2.88		103	2.18	
9/22/2016	XX	LTXXXX339			0.017				57.3				1.43		177	0.728	
11/10/2016	XX	LTXXXX353	0.3 U	0.008 U	0.014	0.0912	0.005 U	0.005 U	105	0.01 U	0.01 U	0.025 U	1.4	0.005 U	160	1.11	
6/15/2017	XX	LTXXXX36I			0.008				152				1.53		104	4.56	
8/31/2017	XX	LTXXXX38C			0.008				121				2.5		224	2.56	
11/16/2017	XX	LTXXXX3A6	0.3 U	0.008 U	0.009	0.105	0.005 U	0.005 U	144	0.01 U	0.01 U	0.025 U	4.39	0.005 U	60.8	3.73	
6/21/2018	XX	LTXXXX3C1			0.008 U				126				1.59		136	1.07	
8/16/2018	XX	LTXXXX3CG			0.008				75.1				2.54		111	0.865	
11/29/2018	XX	LTXXXX3F9	0.3 U	0.008 U	0.008 U	0.0439	0.005 U	0.005 U	64.2	0.01 U	0.01 U	0.025 U	1.18	0.005 U	24	2.13	
6/6/2019	XX	LTXXXX3H4			0.01				118				3.46		62	4.63	
8/15/2019	XX	LTXXXX3HJ			0.015				110				1.88		133	1.7	
10/24/2019	XX	LTXXXX40C	0.3 U	0.008 U	0.012	0.107	0.005 U	0.005 U	115	0.01 U	0.01 U	0.025 U	3.69	0.005 U	99.4	2.68	

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

(LP)	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
Date Type Sample ID														

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

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.

U - Not Detected above the laboratory reporting limit.

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

(LP)

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
LP										
5/7/2009	XX	LTLPXX10F		180			55			
8/12/2009	XX	LTLPXX12F		170			46			
10/27/2009	XX	LTLPXX143	0.014	92	0.014	0.001 U	25	0.0028 U	0.05 U	0.019
6/7/2010	XX	LTLPXX164		170			32			
6/7/2010	XD	LTDP4X162		190			38			
8/18/2010	XX	LTLPXX185		210			77			
10/21/2010	XX	LTLPXX19D	0.017	170	0.012	0.007 U	47	0.0028 U	0.05 U	0.01 U
5/18/2011	XX	LTXXXX1ED		57			19			
5/18/2011	XD	LTXXXX1EI		58			20			
8/10/2011	XX	LTXXXX1G4		160			73			
11/2/2011	XX	LTXXXX1HF	0.011	100	0.016	0.0014 U	40	0.02		0.021 U
11/2/2011	XD	LTDP3X1I0	0.011	100	0.018	0.0014 U	44	0.021		0.021 U
5/14/2012	XX	LTXXXX1J9		55			19			
8/15/2012	XX	LTXXXX212		160			74			
8/15/2012	XD	LTDP3X217		160			72			
10/30/2012	XX	LTXXXX22G		95			32			
5/21/2013	XX	LTXXXX24A		89			33			
7/25/2013	XX	LTXXXX264		78			31			
10/1/2013	XX	LTXXXX27I	0.0098	73	0.005 U	0.001 U	28	0.002 U		0.005 U
6/5/2014	XX	LTXXXX29C		108			36.3			
8/21/2014	XX	LTXXXX2B6		205			68.3			
11/13/2014	XX	LTXXXX2D0	0.01 U	64.4	0.01 U	0.01 U	19.7	0.015 U		0.02 U
6/4/2015	XX	LTXXXX2EG		59.7			18.7			
9/3/2015	XX	LTXXXX2GB		132			48.7			
11/5/2015	XX	LTXXXX2I5	0.01 U	67.8	0.01 U	0.01 U	20.1	0.015 U		0.02 U
6/16/2016	XX	LTXXXX31F		126			42.9			
9/22/2016	XX	LTXXXX339		257			92.1			
11/10/2016	XX	LTXXXX353	0.0134	219	0.01 U	0.01 U	71.2	0.015 U		0.02 U
6/15/2017	XX	LTXXXX36I		114			40.2			
8/31/2017	XX	LTXXXX38C		259			93.7			
11/16/2017	XX	LTXXXX3A6	0.0109	70.1	0.01 U	0.01 U	26	0.015 U		0.02 U
6/21/2018	XX	LTXXXX3C1		161			58.6			
8/16/2018	XX	LTXXXX3CG		121			46.5			
11/29/2018	XX	LTXXXX3F9	0.01 U	26	0.01 U	0.01 U	9.39	0.015 U		0.02 U
6/6/2019	XX	LTXXXX3H4		59.7			20.9			
8/15/2019	XX	LTXXXX3HJ		143			54.6			
10/24/2019	XX	LTXXXX40C	0.01 U	108	0.01 U	0.01 U	40.9	0.015 U		0.02 U

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

(LP) 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

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

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

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

(104B)			Ammonia (N)	Nitrate (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Ca-mg Hardness (CaCO3)	Bicarbonate (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Chloride				
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				
104B																	
4/27/2000	XX	104BXX36643	0.1 U	1 U		102	186	16.5	63.6	41	50.5	2.2	2.6				
8/1/2000	XX	104BXX36739	0.1 U	1 U		95	1	17.9	39.5	47	50.5	1 U	3.9				
10/24/2000	XX	104BXX36823	0.1 U	1 U		92	1	17	29.7	48	50.5	1 U	2.4				
5/8/2001	XX	104BXX37019	0.1 U	1.5		91	5	17.4	29.9	48	51	1 U	2.6				
7/24/2001	XX	104BXX37096	0.1 U	1 U		95	1 U	18.2	32.2	47	50	1 U	2				
10/16/2001	XX	104BXX37180	0.1 U	1 U		89	1	16.4	31.5	46	50	1 U	2.9				
5/15/2002	XX	104BXX37391	0.1 U	1 U		78	1 U	18.7	31.3	42	46	1 U	1.5				
7/29/2002	XX	104BXX37466	0.1 U	1 U		100	1	17.9	32.5	48	50	1 U	2.2				
10/15/2002	XX	104BXX37544	0.1 U	1 U		88	1 U	18.2	29.2	40	42	1 U	2.4				
6/19/2003	XX	104BXX37791	0.2 U	2 U		80	1 U	18	73	44	51	1 U	2 U				
8/5/2003	XX	104BXX37838	0.2 U	2 U		82	1 U	16	68	48	50	1 U	2 U				
10/7/2003	XX	104BXX37901	0.2 U	2 U		75	1 U	17	62	44	50	1	2 U				
4/26/2004	XX	104BXX38103	0.2 U	0.5 U		34	1 U	18	71	44	50	1	2.7				
8/9/2004	XX	104BXX38208	0.2 U	2 U		82	1 U	16	62	47	49	1 U	3				
10/11/2004	XX	104BXX38271	0.2 U	2 U		78	1 U	16	65	46	49	1 U	3				
5/24/2005	XX	GW104B005	0.29	2 U		91	1 U	18	57	46	48	1 U	2				
8/1/2005	XX	GW104B01H	0.2 U	2 U		140	1 U	15	59	42	46	1 U	2 U				
10/25/2005	XX	GW104B039	0.2 U	2 U		79	1 U	16	67	49	51	1 U	2 U				
5/10/2006	XX	GW104B085	0.2 U	2 U		70	1 U	18	75	44	47	1 U	2 U				
7/24/2006	XX	GW104B06D	0.2 U	2 U		77	1 U	18	70	50	50	1 U	2 U				
10/10/2006	XX	GW104B051	0.2 U	2 U		88	1 U	16	65	51	52	1 U	2 U				
5/10/2007	XX	GW104B09H	0.9	0.5 U		98	1 U	15	64	52	54	1 U	2 U				
8/6/2007	XX	GW104B0BA	0.2 U	0.5 U		78	1 U	15	70	46	47	1.8	2 U				
10/24/2007	XX	GW104B0D2	0.2 U	0.5 U		100	1 U	16	62	37	37	1 U	2 U				
10/24/2007	XD	GWDP2X0EJ	0.2 U	0.5 U		110	1 U	16	64		49	1 U	2 U				
5/28/2008	XX	GW104B0FA	0.2 U	0.5 U		140	1 U	17	65	53	53	1 U	2 U				
8/11/2008	XX	GW104B0HA	0.2 U	0.5 U		79	1 U	15	54	49	50	1 U	2 U				
10/15/2008	XX	GW104B0II	0.2 U	0.5 U		110	1 U	17	57	48	49	1 U	2 U				
10/15/2008	XD	GWDP1X106	0.2 U	0.5 U		100	1 U	17	57		49	1 U	2 U				
5/6/2009	XX	GW104B10I	0.2 U	0.5 U		120	0.6 U	18	54	50	50	1 U	2 U				
8/4/2009	XX	GW104B12I	0.2 U	0.5 U		100	2 U	17	51	49	50	1 U	2 U				
10/19/2009	XX	GW104B146	0.2 U	0.5 U		35	1 U	18	59	48	49	1 U	2 U				
5/25/2010	XX	GW104B167	0.2 U	0.5 U		91	1 U	15	57	49	49	1 U	2 U				
5/25/2010	XD	GWDP1X15J	0.2 U	0.5 U		98	1 U	15	57		49	1 U	2 U				
8/2/2010	XX	GW104B188	0.2 U	0.5 UH		87	1.1 U	17	57	50	50	1 U	2 U				
10/12/2010	XX	GW104B19G	0.2 U	0.5 U		110	1.1 U	17	58	49	50	1 U	2 U				
5/16/2011	XX	GW104B1DI	0.2 U	0.5 U		96	5 U	18	59	48	48	1 U	2 U				
5/16/2011	XD	GWXXXX1EG	0.2 U	0.5 U		80	5 U	17	59	47	47	1 U	2 U				
8/9/2011	XX	GW104B1F9	0.08 U	0.2 U		79	0.46 U	17	59	50	50	0.57 J	1.3 J				
11/3/2011	XX	GW104B1H0	0.082 U	0.2 U		80	0.32 U	17	57	51	51	0.82 J	1.2 J				
11/3/2011	XD	GWDP2X1HJ	0.082 U	0.2 U		56	0.32 U	17	51	50	50	0.63 J	1.2 U				
5/14/2012	XX	GW104B1IE	0.2 U	0.5 U		64	2.5 U	15	57	47	47	1 U	2 U				
5/14/2012	XD	GWXXXX1JC	0.2 U	0.5 U		70	2.5 U	16	59	47	47	1 U	2 U				
8/14/2012	XX	GW104B207	0.2 U	0.25 U		74	2.5 U	15	52	46	46	1 U	1				
8/14/2012	XD	GWDP1X215	0.2 U	0.25 U		82	2.7 U	15	51	48	48	1 U	1				
10/31/2012	XX	GW104B221	0.2 U	0.25 U		140	2.5 U	15	59	43	43	0.64	1				
5/22/2013	XX	GW104B23F	0.2 U	0.25 U		90	2.5 U	17	54	51	51	0.76	1.1				
5/22/2013	XD	GWDP3X24F	0.2 U	0.25 U		88	2.5 U	16	42	48	48	0.67	1.2				

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

(104B) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
7/23/2013	XX	GW104B259	0.2 U	0.25 U		85	2.5 U	16	62	51	51	0.6	1.1				
10/1/2013	XX	GW104B273	0.2 U	0.25 U		75	2.5 U	17	57	49	49	0.5 U	1.1				
6/4/2014	XX	GW104B28H	0.16	0.05 U		100	4 U	18	61.4	48	48	1 U	2.9				
6/4/2014	XD	GWDP3X29H	0.1 U	0.05 U		99	4 U	18	61.8	47	47	1 U	3.7				
8/19/2014	XX	GW104B2AB	0.1 U	0.05 U		97	4 U	17	63.1	50	50	1 U	2.6				
11/12/2014	XX	GW104B2C5	0.1 U	0.05 U		92	4 U	17	58.8	53	53	1 U	2 U				
6/3/2015	XX	GW104B2E1	0.1 U	0.05 U		90	4 U	16	58.3	47	47	1 U	2.5				
6/3/2015	XD	GWDP3X2F1	0.1 U	0.05 U		96	4 U	16	56.8	48	48	1 U	2.6				
9/2/2015	XX	GW104B2FG	0.1 U	0.074		87	4 U	16	63.5	49	49	1 U	2 U				
11/4/2015	XX	GW104B2HA	0.1 U	0.05 U		100	4 U	16	60.4	50	50	1 U	2				
6/14/2016	XD	GWDP3X320	0.1 U	0.088		94	4 U	17	62	46	46	1 U	3.4				
6/14/2016	XX	GW104B310	0.1 U	0.092		110	4 U	17	59.6	50	50	1 U	2 U				
9/20/2016	XX	GW104B32E	0.1 U	0.05 U		100	4 U	18	62.2	53	53	1 U	2.4				
11/8/2016	XX	GW104B348	0.1 U	0.05 U		94	4 U	19	63	57	57	1 U	2.5				
6/14/2017	XD	GWDP3X373	0.1 U	0.092		82	4 U	23	63.2	44	44	1 U	2.9				
6/14/2017	XX	GW104B363	0.1 U	0.11		66	4 U	18	62.2	49	49	1 U	3.1				
8/30/2017	XX	GW104B37H	0.1 U	0.065		100	4 U	17	62.2	49	49	1 U	2.6				
11/15/2017	XX	GW104B39B	0.1 U	0.05 U		85	4 U	16	62.2	52	52	1 U	2 U				
6/19/2018	XD	GWDP3X3C6	0.1 U	0.095		110	4 U	18	56.3	55	55	1 U	2 U				
6/19/2018	XX	GW104B3B6	0.1 U	0.096		110	4 U	18	60.6	52	52	1 U	2.2				
8/14/2018	XX	GW104B3DF	0.1 U	0.089		110	4 U	18	61.1	51	51	1 U	2 U				
11/27/2018	XX	GW104B3EE	0.1 U	0.05 U		87	4 U	19	64.2	53	53	1 U	3.2				
6/4/2019	XD	GWDP3X3H9	0.1 U	0.092		120	4 U	18	61.3	53	53	1 U	2 U				
6/4/2019	XX	GW104B3G9	0.1 U	0.092		100	4 U	18	66.8	54	54	1 U	2 U				
8/14/2019	XX	GW104B3II	0.1 U	0.076		120	4 U	18	63.5	53	53	1 U	3.4				
10/22/2019	XX	GW104B3JH	0.1 U	0.082		130	4 U	17	62.5	50	50	1 U	2.3				
107A																	
5/3/2000	XX	107AXX36649	0.1 U	2		757	43	12.9	642.7	440	526.2	12.9	105				
8/10/2000	XX	107AXX36748	0.1 U	1.3		621	1	10.4	487	350	452.5	6.3	75.2				
11/9/2000	XX	107AXX36839	0.1 U	1.5		524	3	8	359.1	398	404	6.1	82.1				
5/16/2001	XX	107AXX37027	0.1 U	2		703	1	12.7	522.5	440	470	9.6	111				
8/1/2001	XX	107AXX37104	0.1 U	1.4		1324	5	11.2	1068	1000	1020	23.3	151.4				
10/24/2001	XX	107AXX37188	0.1 U	1.7		1834	7	11.4	1548.1	1429	1440	33.4	222				
5/22/2002	XX	107AXX37398	0.1 U	1.85		1811	6	15.4	1466.7	1210	1378	62.6	193				
8/2/2002	XX	107AXX37470	0.1 U	1.8		1831	3	10	1316	1320	1428	34.8	186.4				
10/23/2002	XX	107AXX37552	0.1 U	1 U		1360	3	14.6	1071.3	1100	1148	24.7	118.4				
6/24/2003	XX	107AXX37796	0.2 U	2 U		1400	2	11	1200	1000	1100	24	140				
8/13/2003	XX	107AXX37846	0.2 U	2 U		1300	1	9.1	1000	970	1000	21	110				
10/16/2003	XX	107AXX37910	0.2 U	2 U		1100	1 U	9.5	1000	900	950	18	98				
5/13/2004	XX	107AXX38120	0.2 U	2 U		540	1 U	8.4	600	420	450	6.5	47				
8/2/2004	XX	107AXX38201	0.2 U	2 U		440	1 U	9.6	420	405	430	6	36				
10/19/2004	XX	107AXX38279	0.2 U	2 U		480	1 U	9.8	460	420	460	5.6	45				
5/10/2005	XX	GW107A006	0.2 U	2 U		910	1 U	10	810	500	550	6.5	100				
7/27/2005	XX	GW107A01I	0.2 U	2 U		910	1 U	9.5	850	615	690	11	93				
10/27/2005	XX	GW107A03A	0.2 U	2 U		610	3	8.8	640	530	620	7.1	57				
5/3/2006	XX	GW107A086	0.2 U	2 U		340	1 U	7.7	410	350	370	4	26				
8/1/2006	XX	GW107A06E	0.24	2 U		300	1 U	8.6	310	270	290	3.2	17				
10/25/2006	XX	GW107A052	0.2 U	2 U		280	1 U	8.4	200	240	260	2.9	14				
5/8/2007	XX	GW107A09I	0.5 U	0.5 U		310	1 U	7.5	290	290	310	1.5	15				

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

(107A)			Ammonia (N)	Nitrate (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Ca-mg Hardness (CaCO3)	Bicarbonate (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Chloride				
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				
5/8/2007	XD	GWDP3X0EC	0.5 U	0.5 U		290	1 U	7.4	270		310	1.5	15				
8/7/2007	XX	GW107A0BB	0.2 U	0.5 U		430	1.2	6.5	340	280	320	11	22				
10/31/2007	XX	GW107A0D3	0.2 U	0.5 U		510	1 U	6.9	480	390	420	6.3	48				
5/28/2008	XX	GW107A0FB	0.2 U	0.5 U		500	1 U	8.4	430	360	380	5.1	41				
8/18/2008	XX	GW107A0HB	0.2 U	0.5 U		440	1 U	7.3	310	350	380	5.5	22				
10/23/2008	XX	GW107A0IJ	0.2 U	0.5 U		330	1 U	7	310	270	290	5.2	23				
5/12/2009	XX	GW107A10J	0.2 U	0.5 U		300	0.6 U	6.9	240	250	270	3.9	15				
5/12/2009	XD	GWDP3X10C	0.2 U	0.5 U		300	0.6 U	7	260		270	2.2	15				
8/11/2009	XX	GW107A12J	0.2 U	0.5 U		320	0.6 U	7.4	270	270	290	4.2	17				
10/26/2009	XX	GW107A147	0.2 U	0.5 U		400	1 U	6.4	260	270	290	4.3	37				
6/2/2010	XX	GW107A168	0.2 U	0.5 U		310	1 U	6.2	290	245	260	6.1	20				
8/5/2010	XX	GW107A189	0.2 U	0.5 U		360	1.1 U	5.9	300	290	320	4.2	25				
8/5/2010	XD	GWDP3X182	0.2 U	0.5 U		360	1 U	6	310		320	2.7	25				
10/18/2010	XX	GW107A19H	0.2 U	0.5 U		580	1.2 U	6.7	390	450	480	13	57				
5/18/2011	XX	GW107A1D8	0.2 U	0.5 U		680	5 U	7.3	440	550	550	16	83				
8/9/2011	XX	GW107A1EJ	0.08 U	0.2 U		450	0.7 J	6	260	380	380	9	40				
11/2/2011	XX	GW107A1GA	0.082 U	0.2 U		410	0.32 U	6	300	360	360	6.9	36				
5/17/2012	XX	GW107A1I4	0.2 U	0.09 U		418	2.5 U	6.4	380	420	420	6.81	54				
8/14/2012	XX	GW107A1JH	0.2 U	0.25 U		720	2.6 U	5	430	590	590	11.1	60				
10/31/2012	XX	GW107A21B	0.2 U	0.25 U		680	2.5 U	4.9	490	540	540	9.3	62				
5/21/2013	XX	GW107A235	0.2 U	0.25 U		740	2.5 U	6.2	510	580	580	10	77				
7/22/2013	XX	GW107A24J	0.2 U	0.25 U		710	2.5 U	5.8	440	500	500	7.6	58				
10/1/2013	XX	GW107A26D	0.2 U	0.25 U		580	2.5 U	5.4	390	500	500	6.8	45				
6/4/2014	XX	GW107A287	0.1 U	0.05 U		320	4 U	12	222	250	250	1.7	24				
8/19/2014	XX	GW107A2A1	0.1 U	0.05 U		680	4.8	8.1	386	560	560	6.6	47				
11/12/2014	XX	GW107A2BF	0.16	0.05 U		780	4 U	6.5	465	560	560	8	47				
6/3/2015	XX	GW107A2DB	0.1 U	0.05 U		540	4 U	7.3	509	430	430	13	72				
9/2/2015	XX	GW107A2F6	0.1	0.05 U		710	4 U	6.9	476	590	590	11	46				
11/4/2015	XX	GW107A2H0	0.11	0.05 U		780	4 U	1 U	536	670	670	11	45				
6/15/2016	XX	GW107A30A	0.1 U	0.05 U		420	4 U	6.6	315	330	330	4.1	19				
9/20/2016	XX	GW107A324	0.63	0.05 U		420	4 U	6.6	299	360	360	5.2	18				
11/8/2016	XX	GW107A33I	2.2	0.05 U		510	4 U	3.5	420	540	540	10	32				
6/14/2017	XX	GW107A35D	0.26	0.15		930	4 U	1 U	867	900	900	25	88				
8/29/2017	XX	GW107A377	0.59	0.05 U		930	4	1 U	720	840	840	17	57				
11/15/2017	XX	GW107A391	1.5	0.05 U		880	4 U	1 U	682	880	880	16	42				
6/19/2018	XX	GW107A3AG	0.17	0.05 U		770	4 U	4.1	476	670	670	12	45				
8/16/2018	XX	GW107A3D5	0.36	0.05 U		670	4 U	2.3	548	660	660	9.5	36				
11/28/2018	XX	GW107A3E4	0.92	0.21		560	4 U	6.2	448	560	570	7.8	27				
6/5/2019	XX	GW107A3FJ	0.1 U	0.22		760	4 U	3.4	419	570	570	6.5	56				
8/14/2019	XX	GW107A3I8	0.21	0.05 U		610	4 U	10	470	540	540	7.9	36				
10/23/2019	XX	GW107A3J7	0.92	0.05 U		540	4 U	6.2	474	500	500	7.6	24				
202AR																	
4/27/2000	XX	202ARXX36643	2.42	2.2		1046	17	7	984.8	820	985.8	15.1	38.4				
8/2/2000	XX	202ARXX36740	2.21	1.7		1095	4	7.5	998.6	920	1056.5	14.7	35.6				
10/24/2000	XX	202ARXX36823	1.22	2.7		1043	3	6	933.3	950	1090.8	18.2	38.1				
5/9/2001	XX	202ARXX37020	1.69	2.7		1128	2	7.9	944.2	1000	1060	14.1	41.2				
7/24/2001	XX	202ARXX37096	0.784	1 U		1142	2	7.5	946.8	1020	1075	13.6	27.9				
10/16/2001	XX	202ARXX37180	1.37	1 U		1176	2	2.5	1126	1105	1110	12.6	37.7				
5/16/2002	XX	202ARXX37392	1.28	1 U		1135	1	9.9	1061.2	990	1060	13	38.8				

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

(202AR)

Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
7/31/2002	XX	202ARXX37468	2.02	1 U		1118	3	9.7	469.3	952.5	1036	15.2	28.9
10/16/2002	XX	202ARXX37545	2.14	1 U		1129	5	12.5	943.4	1000	1064	14.9	34.2
6/17/2003	XX	202ARXX37789	2.8	2 U		1100	2	10	1100	960	1000	11	34
8/6/2003	XX	202ARXX37839	2.6	2 U		1000	2	8.6	1100	970	1000	15	24
10/8/2003	XX	202ARXX37902	2.8	2 U		1100	2	9.4	1100	920	1000	14	27
4/28/2004	XX	202ARXX38105	1.8	2 U		1100	1 U	8.5	1200	920	960	14	33
8/11/2004	XX	202ARXX38210	4.1	2 U		950	3	8.4	1000	930	1000	14	26
10/12/2004	XX	202ARXX38272	3.6	2 U		1000	1 U	7.2	1100	920	1000	21	23
5/19/2005	XX	GW202A009	3.8	2 U		1100	7	7.7	950	900	980	10	31
8/4/2005	XX	GW202A021	4.3	2 U		1000	1 U	6.6	890	98	100	11	23
10/25/2005	XX	GW202A03D	3.3	2 U		1000	6	6.4	1100	940	1000	13	26
5/9/2006	XX	GW202A089	1.4	2 U		1000	8.5	6.6	1700	1000	1000	13	27
7/25/2006	XX	GW202A06H	3.6	2 U		1000	2.6	6.3	1300	820	860	13	21
10/19/2006	XX	GW202A055	3.8	2 U		1000	1.7	5.3	1000	960	1000	12	22
5/10/2007	XX	GW202A0A1	3.6	0.5 U		1000	3.1	5.1	1100	1040	1100	8.4	25
8/6/2007	XX	GW202A0BE	4.8	0.5 U		1000	1.8	4.4	1200	960	1000	47	23
10/25/2007	XX	GW202A0D6	2	0.5 U		1000	3.7	5.4	1400	920	1000	18	24
5/29/2008	XX	GW202A0FE	2.1	0.5 U		990	1 U	5.3	1000	920	1000	11	23
8/12/2008	XX	GW202A0HE	1.9	0.5 U		1000	1.4	5.5	950	920	1000	15	19
8/12/2008	XD	GWDP1X0H2	1.8	0.5 U		1000	1.1	5.4	900		1000	15	20
10/16/2008	XX	GW202A0J2	1.7	0.5 U		950	1.9	5.6	830	950	990	11	21
5/4/2009	XX	GW202A112	2.9	0.5 U		1000	0.6 U	5.3	1200	940	1000	19	23
8/5/2009	XX	GW202A132	2.8	0.5 U		1100	2 U	5.2	1300	920	1000	14	24
8/5/2009	XD	GWDP1X12A	2.7	0.5 U		1100	2	4.9	1300		1000	18	23
10/20/2009	XX	GW202A14A	2.2	0.5 U		980	1.9	4.7	840	910	970	19	23
5/26/2010	XX	GW202A16B	2.4	0.5 U		890	1.8	4	1100	880	920	11	19
8/2/2010	XX	GW202A18C	2.3	0.5 UH		930	1.4	4.2	1000	920	980	15	22
10/12/2010	XX	GW202A1A0	2.8	0.5 U		970	1.7	4.5	860	920	990	19	23
5/17/2011	XX	GW202A1DJ	2.1	0.5 U		990	5 U	3.8	920	920	920	20	26
8/10/2011	XX	GW202A1FA	2.7	0.2 U		910	2.4 J	5.2	870	920	920	16	23
8/10/2011	XD	GWDP1X1G7	2.6	0.2 U		890	2.8 J	4.3	860	950	950	16	22
11/3/2011	XX	GW202A1H1	2.9	0.2 U		960	2.7	5.8	820	990	990	16	22
5/16/2012	XX	GW202A1IF	2.6	0.5 U		940	2.5 U	1 U	820	860	860	11.1	20
8/15/2012	XX	GW202A208	2.9	0.25 U		920	2.5 U	4.3	770	890	890	12.4	17
10/31/2012	XX	GW202A222	3.4	0.25 U		940	2.5	4.1	840	960	960	12	18
5/20/2013	XX	GW202A23G	2.7	0.25 U		950	2.5 U	4.4	780	930	930	11	18
7/23/2013	XX	GW202A25A	2.9	0.25 U		920	2.5 U	4.2	790	890	890	10	16
10/2/2013	XX	GW202A274	3.1	0.25 U		910	2.6	4.3	790	930	930	10	16
6/3/2014	XX	GW202A28I	3.4	0.05 U		940	4 U	1 U	818	890	890	8.9	18
8/19/2014	XX	GW202A2AC	3.8	0.05 U		940	4 U	1 U	812	910	910	9	17
11/12/2014	XX	GW202A2C6	4.1	0.05 U		950	4 U	1 U	846	940	940	9.1	18
6/2/2015	XX	GW202A2E2	3.3	0.05 U		960	4.8	1 U	813	880	880	8.9	22
9/2/2015	XX	GW202A2FH	3.6	0.05 U		910	4 U	1 U	864	870	870	9.8	18
11/3/2015	XX	GW202A2HB	3.5	0.05 U		950	4 U	1.6	839	930	930	9.6	18
6/14/2016	XX	GW202A311	3.1	0.05 U		900	4.4	1 U	815	830	830	7.5	17
9/22/2016	XX	GW202A32F	3.5	0.05 U		900	4 U	1 U	800	810	810	8.6	18
11/9/2016	XX	GW202A349	3.5	0.05 U		840	4 U	1 U	818	900	900	9.7	16
6/13/2017	XX	GW202A364	3.6	0.05 U		920	4 U	1 U	822	870	870	9.4	18
8/30/2017	XX	GW202A37I	3.7	0.05 U		900	4 U	1 U	801	880	880	8.9	16
11/16/2017	XX	GW202A39C	3.5	0.05 U		860	4 U	1 U	822	830	830	8.6	17

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

(202AR) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
6/20/2018	XX	GW202A3B7	3.5	0.05 U		920	4 U	1 U	849	900	900	8.8	18				
8/14/2018	XX	GW202A3DG	3.6	0.05 U		920	4 U	1.1	802	890	890	8.9	16				
6/4/2019	XX	GW202A3GA	3.5	0.05 U		950	4 U	1 U	804	860	860	9.2	15				
8/13/2019	XX	GW202A3IJ	3.4	0.05 U		880	4 U	1 U	802	910	910	9.4	18				
10/24/2019	XX	GW202A3JI	3.2	0.05 U		860	5.6	1 U	784	850	850	9.5	15				
202B																	
4/27/2000	XX	202BXX36643	1.9	1.4		538	247	6.7	478.6	410	474.7	10.4	20.6				
8/2/2000	XX	202BXX36740	3	1.7		986	7	7	840.3	810	923.1	19.2	35.5				
10/24/2000	XX	202BXX36823	2.52	2.8		1241	56	5.5	962.4	1100	1196.9	24.6	55.3				
5/9/2001	XX	202BXX37020	1.35	2.2		752	6	8.2	599.7	660	692.5	13.4	33.9				
7/25/2001	XX	202BXX37097	0.424	1 U		1200	10	5.8	1001.5	1130	1130	15.2	37.5				
10/16/2001	XX	202BXX37180	1.04	3.2		1021	8	14.4	779.5	904	910	11.8	42.2				
5/16/2002	XX	202BXX37392	1.15	1 U		695	1	9.1	648.8	530	635	10.1	28.3				
7/31/2002	XX	202BXX37468	1.71	1 U		1008	1	15.2	879.5	847.5	916	17.2	33.5				
10/16/2002	XX	202BXX37545	1.47	1.7		1039	15	17.3	893.2	850	952	17.2	37.8				
6/17/2003	XX	202BXX37789	2	2 U		670	20	10	350	590	640	11	23				
8/6/2003	XX	202BXX37839	2.1	2 U		820	1 U	12	930	720	750	15	23				
10/8/2003	XX	202BXX37902	2.8	4.4		920	1 U	12	860	780	830	16	27				
4/28/2004	XX	202BXX38105	1.8	2 U		630	1 U	8.9	730	540	560	11	22				
8/11/2004	XX	202BXX38210	4.6	2 U		870	1 U	9.7	990	880	960	17	30				
10/12/2004	XX	202BXX38272	4.9	2 U		1000	1 U	9	1100	920	1000	33	31				
5/19/2005	XX	GW202B00A	2.6	2 U		510	4	6.5	530	440	480	7.1	15				
8/4/2005	XX	GW202B022	4	2 U		770	22	8	720	680	710	13	9.4				
10/25/2005	XX	GW202B03E	2.3	2 U		660	22	7.2	580	680	730	12	25				
5/9/2006	XX	GW202B08A	0.2 U	2 U		500	5	5.7	590	470	500	10	14				
7/25/2006	XX	GW202B06I	3.8	2 U		560	21	6.2	690	540	570	11	17				
10/19/2006	XX	GW202B056	2.8	2 U		810	43	6	830	780	810	14	22				
5/10/2007	XX	GW202B0A2	2.2	0.5 U		500	17	4.3	490	520	550	4.9	12				
5/10/2007	XD	GWDP1X0EA	2.4	0.5 U		510	51	4.4	480		540	4.6	12				
8/6/2007	XX	GW202B0BF	5.4	0.5 U		770	540	4.9	800	740	770	47	21				
10/25/2007	XX	GW202B0D7	1.2	1.2		680	32	6.4	640	640	680	14	20				
5/29/2008	XX	GW202B0FF	1.6	0.5 U		440	9.7	5.3	460	440	460	12	9.6				
8/26/2008	XX	GW202B0HF	1.8	0.5 U		470	19	4.9	410	460	490	8.1	11				
10/16/2008	XX	GW202B0J3	1.9	0.5 U		640	22	5.8	490	640	670	16	18				
5/4/2009	XX	GW202B113	2.1	10		480	41	33	580	430	460	9	44				
8/5/2009	XX	GW202B133	2.4	0.5 U		490	9.6	4.3	630	450	480	8.6	12				
10/20/2009	XX	GW202B14B	1.9	0.5 U		640	1 U	5.4	480	660	700	16	21				
5/26/2010	XX	GW202B16C	1.9	0.5 U		490	12	4.3	490	470	500	12	13				
8/2/2010	XX	GW202B18D	2.7	0.5 UH		680	46	4.8	170	670	700	13	19				
10/12/2010	XX	GW202B1A1	0.2 U	2.6		570	2.8	4.9	440	480	500	12	15				
5/17/2011	XX	GW202B1E0	1.1	0.5 U		380	4.2 U	4.7	240	370	370	7.5	9.6				
8/10/2011	XX	GW202B1FB	2.1	0.2 U		690	4.6	7.6	550	720	720	15	22				
11/3/2011	XX	GW202B1H2	1.8	0.2 U		480	4.2	6.5	420	500	500	11	11				
5/16/2012	XX	GW202B1IG	1.5	0.5 U		390	5	4.9	360	400	400	5.66	7.7				
8/15/2012	XX	GW202B209	2.3	0.25 U		650	2.5 U	5.7	580	660	660	10.5	15				
10/31/2012	XX	GW202B223	1.2	0.25 U		380	8.8	3.8	400	400	400	8.4	8.3				
5/20/2013	XX	GW202B23H	1.4	0.25 U		430	14	4.3	350	420	420	5.9	8.3				
7/23/2013	XX	GW202B25B	1.8	0.25 U		460	19	4.4	400	480	480	6.7	9.6				
10/2/2013	XX	GW202B275	2.3	0.25 U		550	4.5	4.5	410	580	580	7.4	12				

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

(202B) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
6/3/2014	XX	GW202B28J	2	0.05 U		490	16	4	383	460	460	4.6	12
8/19/2014	XX	GW202B2AD	3.3	0.05 U		760	84	1 U	644	730	730	8.5	17
11/12/2014	XX	GW202B2C7	2.1	1.2		710	12	1.7	624	700	700	7.7	18
6/2/2015	XX	GW202B2E3	1.7	0.05 U		440	26	6.2	347	390	390	4	10
9/2/2015	XX	GW202B2FI	3.3	0.05 U		760	29	3.3	694	710	710	9.8	17
11/3/2015	XX	GW202B2HC	2.7	0.1		620	10	1.2	562	600	600	7.3	15
6/14/2016	XX	GW202B312	1.8	0.05 U		480	8	3.3	404	410	410	4.4	10
9/22/2016	XX	GW202B32G	I	I		I	I	I	I	I	I	I	I
11/9/2016	XX	GW202B34A	I	I		I	I	I	I	I	I	I	I
6/13/2017	XX	GW202B365	1.6	0.05 U		560	5.6	8.4	472	480	480	5.4	13
8/30/2017	XX	GW202B37J	I	I		I	I	I	I	I	I	I	I
11/16/2017	XX	GW202B39D	1.9	0.16		720	14	15	673	670	670	9.2	17
6/20/2018	XX	GW202B3B8	2	0.05 U		550	17	19	398	510	510	5.2	13
8/14/2018	XX	GW202B3DH	2.9	0.35		780	4 U	27	675	730	730	7.5	14
11/27/2018	XX	GW202B3EG	2.2	0.14		710	13	23	674	690	700	8	17
6/4/2019	XX	GW202B3GB	1.5	0.05 U		390	8.8	15	320	360	360	3.7	6.5
8/13/2019	XX	GW202B3J0	2.6	0.052		600	4 U	18	539	610	610	6.9	14
10/24/2019	XX	GW202B3JJ	2.3	0.24		620	6.8	16	446	570	570	7.3	14
205A													
4/27/2000	XX	205AXX36643	0.217	1.7		265	6	8.9	222.7	160	189.9	3	30.9
8/2/2000	XX	205AXX36740	0.348	1.8		435	5	6.4	307.78	280	322.2	4.9	57
10/25/2000	XX	205AXX36824	0.297	2		351	1	3.1	200.6	230	240.4	4.7	52.8
5/9/2001	XX	205AXX37020	0.157	3		382	1	6.3	235.2	235	252	5	62.1
7/25/2001	XX	205AXX37097	0.1 U	1 U		372	1	8.3	249.3	230	253	3.4	48
10/17/2001	XX	205AXX37181	0.147	1 U		319	1	4.9	237.3	215	222	3.1	54.9
5/15/2002	XX	205AXX37391	0.184	1 U		510	1 U	5.3	380.9	330	376	5	74.5
8/1/2002	XX	205AXX37469	0.1 U	1 U		452	3	7.6	292.4	280	309	63.7	53
10/16/2002	XX	205AXX37545	0.173	1 U		405	3	5.9	274.9	270	296	4.3	59.8
6/19/2003	XX	205AXX37791	0.42	2 U		460	4	11	480	370	390	5.6	57
8/20/2003	XX	205AXX37853	0.34	2 U		320	3	8.8	340	290	310	5.2	45
10/9/2003	XX	205AXX37903	0.29	2 U		240	1 U	9.4	330	230	250	4.9	41
4/27/2004	XX	205AXX38104	0.2 U	2 U		290	1 U	9.2	400	260	270	7.7	45
8/12/2004	XX	205AXX38211	0.46	2 U		260	1 U	12	610	190	200	3.9	34
10/14/2004	XX	205AXX38274	0.2 U	2 U		320	1 U	9.3	330	230	250	6	47
5/17/2005	XX	GW205A00B	0.34	2 U		95	1 U	10	450	260	290	4.3	48
8/4/2005	XX	GW205A023	0.55	2 U		390	1 U	10	440	230	250	5.7	38
10/27/2005	XX	GW205A03F	0.2 U	2 U		320	3.5	8.8	410	280	310	4.5	42
5/9/2006	XX	GW205A08B	0.2 U	2 U		400	3.5	11	480	340	360	4.4	40
7/25/2006	XX	GW205A06J	0.3	2 U		540	3	12	580	480	500	5.7	43
10/23/2006	XX	GW205A057	0.35	2 U		370	2	9.4	330	270	290	3.3	35
5/14/2007	XX	GW205A0A3	0.2 U	2 U		520	3.5	11	460	480	500	2.2	39
8/16/2007	XX	GW205A0BG	0.5 U	0.5 U		490	1.7	9	410	380	40	14	37
8/16/2007	XD	GWDP1X0EE	0.5 U	0.5 U		480	1.8	9.2	380		38	9.8	37
10/25/2007	XX	GW205A0D8	0.2 U	0.5 U		400	1.9	9.7	400	330	350	4.2	39
5/29/2008	XX	GW205A0FG	0.2 U	0.5 U		530	1.9	11	510	470	500	7.8	36
8/12/2008	XX	GW205A0HG	0.2 U	0.5 U		550	2.1	11	450	480	500	4.9	33
10/16/2008	XX	GW205A0J4	0.2 U	0.5 U		470	1.6	11	410	420	440	5.8	32
10/16/2008	XD	GWDP2X107	0.2 U	0.5 U		480	2.3	12	410		440	5.3	32
5/4/2009	XX	GW205A114	0.2 U	10		530	2.9	33	520	425	450	5.8	44

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

(205A)			Ammonia (N)	Nitrate (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Ca-mg Hardness (CaCO3)	Bicarbonate (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Chloride				
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				
8/5/2009	XX	GW205A134	0.2 U	0.5 U		530	2 U	11	560	440	470	4.9	33				
10/20/2009	XX	GW205A14C	0.2 U	0.5 U		430	1 U	12	350	360	380	4.6	33				
5/26/2010	XX	GW205A16D	0.2 U	0.5 U		480	1.4	10	480	390	410	5.4	29				
5/26/2010	XD	GWDP2X160	0.2 U	0.5 U		460	2	9.6	400		410	5	28				
8/3/2010	XX	GW205A18E	0.2 U	0.5 U		430	2.1	11	350	350	360	3.9	33				
10/13/2010	XX	GW205A1A2	0.2 U	0.5 U		360	1.2 U	9.9	240	240	260	2.3	34				
5/17/2011	XX	GW205A1E1	0.2 U	0.5 U		440	4.2 U	10	380	380	380	4.1	35				
8/9/2011	XX	GW205A1FC	0.08 U	0.2 U		450	1.5 J	10	250	380	380	4	39				
11/3/2011	XX	GW205A1H3	0.12 J	0.2 U		390	1.16 J	10	300	330	330	4	35				
5/16/2012	XX	GW205A1IH	0.2 U	0.5 U		320	2.5 U	13	250	240	240	2.15	36				
8/16/2012	XX	GW205A20A	0.2 U	0.25 U		380	2.6 U	9.5	270	290	290	3.09	37				
10/30/2012	XX	GW205A224	0.2 U	0.25 U		300	2.5 U	7.8	260	240	240	2.2	37				
5/20/2013	XX	GW205A23I	0.2 U	0.25 U		320	2.5 U	9.2	210	230	230	1.7	41				
7/23/2013	XX	GW205A25C	0.2 U	0.25 U		340	2.5 U	8.8	240	230	230	2.2	41				
10/2/2013	XX	GW205A276	0.2 U	0.25 U		270	2.5 U	7.8	190	190	190	1.7	41				
6/3/2014	XX	GW205A290	0.24	0.05 U		310	4 U	8.8	188	190	190	1.4	43				
8/19/2014	XX	GW205A2AE	0.32	0.05 U		340	4 U	7.3	234	200	210	1.5	44				
11/12/2014	XX	GW205A2C8	0.34	0.05 U		290	4 U	8.2	216	200	200	1.4	40				
6/2/2015	XX	GW205A2E4	0.18	0.05 U		300	4 U	8.5	211	200	200	1.4	42				
9/2/2015	XX	GW205A2FJ	0.35	0.05 U		270	4 U	7.9	216	190	190	1.5	39				
11/3/2015	XX	GW205A2HD	0.37	0.05 U		250	4 U	8.2	218	190	190	1.5	43				
6/14/2016	XX	GW205A313	0.2	0.05 U		310	4 U	9.5	233	200	200	1.4	44				
9/21/2016	XX	GW205A32H	0.34	0.05 U		280	4 U	8.5	206	170	170	2.1	42				
11/9/2016	XX	GW205A34B	0.32	0.05 U		260	4 U	7.7	220	200	200	2	40				
6/13/2017	XX	GW205A366	0.1 U	0.05 U		340	4 U	10	220	200	200	1.4	40				
8/30/2017	XX	GW205A380	0.19	0.05 U		320	4 U	9.3	228	210	210	1.3	40				
11/16/2017	XX	GW205A39E	0.36	0.05 U		260	4 U	7.7	213	180	180	1.3	41				
6/19/2018	XX	GW205A3B9	0.1 U	0.05 U		340	4 U	11	228	220	220	1.1	40				
8/14/2018	XX	GW205A3DI	0.18	0.05 U		300	4 U	8.9	210	190	190	1.4	44				
11/27/2018	XX	GW205A3EH	0.14	0.075		240	4 U	9.3	199	170	170	1.5	40				
6/4/2019	XX	GW205A3GC	0.1 U	0.05 U		300	4 U	9.4	217	200	200	1.3	38				
8/13/2019	XX	GW205A3J1	0.13	0.05 U		280	4 U	7.9	215	210	210	1.3	41				
10/23/2019	XX	GW205A400	0.29	0.05 U		250	4 U	7.5	212	170	170	1.6	38				
205B																	
4/27/2000	XX	205BXX36643	0.1 U	1.3		215	36	11.5	184.1	150	172.7	2.3	3.5				
8/2/2000	XX	205BXX36740	0.1 U	1.1		226	2	13.2	166.6	160	169.7	2.8	3.4				
10/25/2000	XX	205BXX36824	0.1 U	1.4		254	1 U	11.5	168.8	210	214.1	3.4	4.7				
5/9/2001	XX	205BXX37020	0.1 U	2.3		413	1	12.4	290.1	360	366	3.5	7.1				
7/25/2001	XX	205BXX37097	0.1 U	1 U		295	2	9.5	218.1	229	244	2.7	8.3				
10/17/2001	XX	205BXX37181	0.1 U	1 U		418	1 U	9.8	352	345	364	3	20.5				
5/15/2002	XX	205BXX37391	0.1 U	1 U		547	1	13.2	430.3	330	478	4.3	33.6				
8/1/2002	XX	205BXX37469	0.1 U	1 U		507	2	9.6	403.9	400	430	90.6	23.1				
10/16/2002	XX	205BXX37545	0.1 U	1 U		664	2	14.6	540.7	540	586	6.4	34.4				
6/19/2003	XX	205BXX37791	0.2 U	2 U		410	1 U	12	440	350	370	4.4	13				
8/19/2003	XX	205BXX37852	0.2	2 U		280	1 U	11	330	280	300	3	8.6				
10/9/2003	XX	205BXX37903	0.2 U	2 U		330	1 U	11	340	290	310	3.3	7.9				
4/27/2004	XX	205BXX38104	0.2 U	2 U		250	1 U	12	260	220	220	3	8.4				
8/12/2004	XX	205BXX38211	0.2 U	2 U		210	1 U	13	220	195	210	2	6.1				
10/14/2004	XX	205BXX38274	0.2 U	2 U		220	1 U	11	230	210	230	4.5	5.8				

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

(205B)

Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
5/17/2005	XX	GW205B00C	0.2 U	2 U		280	1 U	12	400	200	220	2.9	6
8/4/2005	XX	GW205B024	0.46	2 U		240	1 U	11	170	155	160	1.5	2.4
10/27/2005	XX	GW205B03G	0.2 U	2 U		300	1 U	12	500	315	340	3.2	6.2
5/9/2006	XX	GW205B08C	0.2 U	2 U		200	4	12	330	195	210	2	2.9
7/25/2006	XX	GW205B070	0.2 U	2 U		140	1 U	11	170	135	140	1.6	2 U
10/19/2006	XX	GW205B058	0.2 U	2 U		130	1 U	9.8	110	105	110	1.2	2 U
5/14/2007	XX	GW205B0A4	0.2 U	2 U		260	1 U	11	310	250	270	1 U	2 U
8/16/2007	XX	GW205B0BH	0.2 U	0.5 U		240	1 U	10	240	200	220	5.8	2 U
10/25/2007	XX	GW205B0D9	0.2 U	0.5 U		210	1 U	10	200	170	180	2.2	2 U
5/27/2008	XX	GW205B0FH	0.2 U	0.5 U		240	1 U	10	230	190	210	2.9	2 U
5/27/2008	XD	GWDP2X0F3	0.2 U	0.5 U		230	1 U	10	220		220	3.4	2 U
8/12/2008	XX	GW205B0HH	0.2 U	0.5 U		340	1 U	10	280	300	320	2.5	2 U
10/16/2008	XX	GW205B0J5	0.2 U	0.5 U		160	1 U	10	160	120	130	2.1	2 U
5/4/2009	XX	GW205B115	0.2 U	0.5 U		280	0.6 U	10	310	220	230	2.6	2 U
8/5/2009	XX	GW205B135	0.2 U	0.5 U		270	2 U	10	370	260	280	2.4	2 U
10/20/2009	XX	GW205B14D	0.2 U	0.5 U		160	1 U	8.9	120	125	130	1.9	2 U
10/20/2009	XD	GWDP1X15E	0.2 U	0.5 U		160	1 U	9.3	130		130	1.9	2 U
5/26/2010	XX	GW205B16E	0.2 U	0.5 U		170	1 U	8.1	200	155	160	2.3	2 U
8/3/2010	XX	GW205B18F	0.2 U	0.5 U		170	2.5 U	7.8	180	140	150	2.1	2 U
8/3/2010	XD	GWDP1X180	0.2 U	0.5 U		170	1.1 U	7.9	160		150	2.1	2 U
10/13/2010	XX	GW205B1A3	0.2 U	0.5 U		160	1.1 U	6.4	120	135	140	2	2 U
5/17/2011	XX	GW205B1E2	0.2 U	0.5 U		260	4.2 U	7.9	190	240	240	2.1	2 U
8/9/2011	XX	GW205B1FD	0.08 U	0.2 U		130	0.38 U	6.4	97	100	100	1.4	1.2 U
11/3/2011	XX	GW205B1H4	0.082 U	0.22 J		130	0.32 U	6.8	110	130	130	1.6	1.2 U
5/16/2012	XX	GW205B1II	0.2 U	0.5 U		140	2.5 U	6.1	120	120	120	1.09	2 U
8/16/2012	XX	GW205B20B	0.2 U	0.331		140	2.5 U	6.3	100	110	110	1.54	0.5 U
10/30/2012	XX	GW205B225	0.2 U	0.25 U		170	2.5 U	4.9	190	180	180	1.4	0.5 U
5/20/2013	XX	GW205B23J	0.2 U	0.25 U		150	2.5 U	6.2	100	120	120	1.3	0.5 U
7/23/2013	XX	GW205B25D	0.2 U	0.26		170	2.5 U	6.2	120	130	130	1.5	0.52
10/2/2013	XX	GW205B277	0.2 U	0.25 U		130	2.5 U	5.1	110	120	120	0.98	0.5 U
6/3/2014	XX	GW205B291	0.1 U	0.05 U		170	4 U	5.1	194	140	140	1 U	2
8/19/2014	XX	GW205B2AF	0.1 U	0.05 U		140	4 U	4.2	128	130	130	1 U	4.3
11/12/2014	XX	GW205B2C9	0.1 U	0.05 U		170	4 U	4	158	150	150	1 U	2.9
6/2/2015	XX	GW205B2E5	0.1 U	0.05 U		170	4 U	4.6	120	110	110	1 U	3.2
9/2/2015	XX	GW205B2G0	0.1 U	0.091		120	4 U	4.5	108	100	100	1 U	2.1
11/3/2015	XX	GW205B2HE	0.1 U	0.079		160	4 U	4.7	153	150	150	1 U	2 U
6/14/2016	XX	GW205B314	0.1 U	0.08		140	4 U	6.9	114	110	110	1 U	2 U
9/21/2016	XX	GW205B32I	0.1 U	0.05 U		140	4 U	4.9	87.7	87	87	1 U	3
11/9/2016	XX	GW205B34C	0.1 U	0.05 U		91	4 U	4.6	93	97	97	1.1	2.4
6/13/2017	XX	GW205B367	0.1 U	0.05 U		210	4 U	4.5	166	160	160	1 U	2.3
8/30/2017	XX	GW205B381	0.5	0.05 U		130	4 U	3.9	103	110	110	1 U	2 U
11/16/2017	XX	GW205B39F	0.12	0.05 U		200	4 U	2.7	165	160	160	1 U	4.3
6/19/2018	XX	GW205B3BA	0.1 U	0.05 U		220	4 U	5.7	135	140	140	1 U	2 U
8/14/2018	XX	GW205B3DJ	0.1 U	0.05 U		160	4 U	3.8	117	110	110	1 U	2 U
11/27/2018	XX	GW205B3EI	0.1 U	0.05 U		160	4 U	4.2	170	160	160	1 U	2.6
6/4/2019	XX	GW205B3GD	0.1 U	0.05 U		220	4 U	4.3	202	190	190	1.1	2 U
8/13/2019	XX	GW205B3J2	0.1 U	0.05 U		130	4 U	3.6	96.5	110	110	1 U	2.6
10/23/2019	XX	GW205B401	0.1 U	0.05 U		170	4 U	3.9	148	140	140	1.2	2 U

206A

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

(206A)

Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
4/27/2000	XX	206AXX36643	21	2		774	16	8.4	545.3	135	141.4	14.7	24.2				
8/2/2000	XX	206AXX36740	20.8	3.3		1605	9	11.1	1218.2	1350	1531.2	33.8	70.7				
10/25/2000	XX	206AXX36824	29.1	5.1		1971	24	1.8	1468	1850	1948.7	48.5	95.3				
5/8/2001	XX	206AXX37019	34.2	4		1480	4	10.4	902.9	1100	1225	27.6	56.5				
7/25/2001	XX	206AXX37097	34.2	1 U		1862	13	10.5	1419.5	1680	1715	29.4	62.7				
10/17/2001	XX	206AXX37181	49.3	1 U		2088	33	1 U	1375.2	1997	2010	37.6	101				
5/16/2002	XX	206AXX37392	28.5	1 U		1065	2	13.5	817.5	990	1010	14.4	46.3				
8/1/2002	XX	206AXX37469	38.6	1.4		1682	14	11.5	1157.3	1440	1558	334.4	71.2				
10/17/2002	XX	206AXX37546	40.3	1 U		1943	31	8.8	1436.9	1850	1912	41.7	102				
6/19/2003	XX	206AXX37791	36	2 U		920	46	15	1000	1000	1100	4.9	38				
8/18/2003	XX	206AXX37851	33	2 U		1100	35	13	1000	1150	1200	25	33				
10/13/2003	XX	206AXX37907	38	2 U		1100	43	12	960	1040	1100	30	30				
4/29/2004	XX	206AXX38106	38	2 U		1100	51	11	1100	1020	1100	30	40				
8/16/2004	XX	206AXX38215	54	2 U		1700	58	8.5	1300	1560	1600	32	50				
10/12/2004	XX	206AXX38272	48	2 U		1300	17	9.2	1300	1400	1500	53	42				
5/17/2005	XX	GW206A00D	31	2 U		1100	48	8	1000	1320	1500	19	35				
8/15/2005	XX	GW206A025	45	2 U		1400	80	7.7	1200	1400	1400	33	46				
10/24/2005	XX	GW206A03H	37	2 U		1100	63	7.6	1100	1140	1200	29	36				
5/11/2006	XX	GW206A08D	48	2 U		1200	61	7.2	1500	1220	1300	30	37				
7/26/2006	XX	GW206A071	45	2 U		1100	65	8.1	740	1000	1100	24	27				
10/23/2006	XX	GW206A059	29	2 U		1100	60	6.3	1000	1160	1200	31	33				
5/14/2007	XX	GW206A0A5	31	2 U		960	52	6.2	980	115	1200	17	26				
5/14/2007	XD	GWDP2X0EB	32	2 U		880	45	6.1	930		1300	17	26				
8/16/2007	XX	GW206A0BI	34	0.5 U		1400	70	3.6	470	1440	1500	65	40				
10/29/2007	XX	GW206A0DA	30	0.5 U		1400	80	6.4	1500	1400	1500	48	44				
5/27/2008	XX	GW206A0FI	28	0.5 U		1000	58	5.5	1000	1030	1100	36	26				
5/27/2008	XD	GWDP1X0F2	28	0.5 U		1000	61	5.3	930		1200	35	26				
8/13/2008	XX	GW206A0HI	20	0.5 U		980	54	5.8	790	1000	1100	26	25				
10/20/2008	XX	GW206A0J6	19	0.5 U		1200	61	5.5	950	1300	1400	37	34				
5/5/2009	XX	GW206A116	32	0.5 U		970	26	5	910	950	1100	32	21				
8/6/2009	XX	GW206A136	26	0.5 U		880	44	13	1200	900	980	28	19				
8/6/2009	XD	GWDP2X12B	28	0.5 U		880	49	13	1300		970	24	19				
10/21/2009	XX	GW206A14E	34	0.5 U		1000	66	4.3	910	1120	1200	47	32				
5/27/2010	XX	GW206A16F	28	0.5 U		980	70	5.5	710	1000	1100	19	24				
8/3/2010	XX	GW206A18G	35	0.5 U		1100	55	3.9	1000	1200	1300	36	31				
10/13/2010	XX	GW206A1A4	25	0.5 U		770	47	6.6	620	880	930	31	22				
10/13/2010	XD	GWDP1X1B4	25	0.5 U		820	50	6.8	670		920	28	22				
5/17/2011	XX	GW206A1E3	23	0.5 U		760	42	5	630	810	810	24	19				
8/9/2011	XX	GW206A1FE	29	0.2 U		1300	91	4	1000	1400	1400	47	43				
11/3/2011	XX	GW206A1H5	27	0.2 U		1000	59	4.9	790	1100	1100	36	25				
5/16/2012	XX	GW206A1IJ	26	0.5 U		720	45	4.5	670	830	830	17.1	15				
8/15/2012	XX	GW206A20C	25	0.25 U		1200	77	3.7	940	1200	1200	28.3	26				
10/30/2012	XX	GW206A226	29	0.25 U		630	20	3.9	810	700	700	21	15				
5/20/2013	XX	GW206A240	29	0.25 U		990	65	3.7	740	1100	1100	20	19				
7/23/2013	XX	GW206A25E	24	0.25 U		950	29	2.7	590	1000	1000	14	19				
10/2/2013	XX	GW206A278	29	0.25 U		1000	77	2.8	860	1200	1200	23	23				
6/3/2014	XX	GW206A292	22	0.05 U		1000	61	1 U	465	1100	1100	8.2	22				
8/20/2014	XX	GW206A2AG	37	0.05 U		1200	91	1 U	1040	1400	1400	26	33				
11/11/2014	XX	GW206A2CA	3.1	0.05 U		440	11	1 U	107	450	450	1.2	19				
6/2/2015	XX	GW206A2E6	29	0.05 U		900	52	1.4	748	920	920	18	24				

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

(206A) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
9/2/2015	XX	GW206A2G1	36	0.05 U		1100	82	1 U	1090	1200	1200	30	30
11/3/2015	XX	GW206A2HF	15	0.05 U		820	45	1 U	307	870	870	10	21
6/15/2016	XX	GW206A315	28	0.1 U		1000	71	7.4	794	980	980	15	22
9/21/2016	XX	GW206A32J	40	0.05 U		1300	75	2.2	1100	1300	1300	27	34
11/9/2016	XX	GW206A34D	42	0.05 U		1400	94	1.4	1240	1400	1400	32	39
6/13/2017	XX	GW206A368	28	0.05 U		1000	44	1 U	778	970	970	18	21
8/30/2017	XX	GW206A382	39	0.05 U		1400	64	1 U	1080	1400	1400	30	34
11/15/2017	XX	GW206A39G	41	0.5 U		1200	60	1.1	1220	1400	1400	29	30
6/19/2018	XX	GW206A3BB	32	0.05 U		1000	76	3.4	863	1100	1100	21	23
8/14/2018	XX	GW206A3E0	41	0.25 U		1300	48	1	1030	1400	1400	26	32
11/27/2018	XX	GW206A3EJ	36	0.05 U		840	45	9.8	776	36	36	22	27
6/4/2019	XX	GW206A3GE	23	0.2		730	24	2.3	614	810	810	17	16
8/13/2019	XX	GW206A3J3	39	0.05 U		1200	90	1 U	1020	1200	1200	27	27
10/23/2019	XX	GW206A402	47	0.05 U		1200	96	1 U	1320	1600	1600	34	30
206B													
4/27/2000	XX	206BXX36643	0.1 U	1 U		48	22	12.5	23.3	10.5	11.1	3.7	2.5
8/2/2000	XX	206BXX36740	D	D			D	D	D	D	D	D	D
10/25/2000	XX	206BXX36824	D	D			D	D	D	D	D	D	D
5/8/2001	XX	206BXX37019	0.1 U	1.4		55	1	13.8	22.1	8	8	2.5	2.4
7/25/2001	XX	206BXX37097	D	D			D	D	D	D	D	D	D
10/17/2001	XX	206BXX37181	D	D			D	D	D	D	D	D	D
5/16/2002	XX	206BXX37392	0.1 U	1.2		88	2	17.4	47.8	44	48	2.5	2.2
7/29/2002	XX	206BXX37466	D	D		D	D	D	D	D	D	D	D
10/15/2002	XX	206BXX37544	D	D		D	D	D	D	D	D	D	D
6/17/2003	XX	206BXX37789	0.2 U	2 U		100	1 U	23	89	68	73	1.8	3.8
8/18/2003	XX	206BXX37851	0.21	2 U		56	1	19	68	54	57	2.6	2.3
10/13/2003	XX	206BXX37907	0.2 U	2 U		31	1 U	12	46	34	35	3.1	2 U
4/29/2004	XX	206BXX38106	0.21	2 U		110	1 U	19	88	64	64	1.5	3.1
8/16/2004	XX	206BXX38215	D	D		D	D	D	D	D	D	D	D
10/12/2004	XX	206BXX38272	D	D		D	D	D	D	D	D	D	D
5/17/2005	XX	GW206B00E	0.45	2 U		92	1 U	14	69	57	58	2	2.7
8/15/2005	XX	GW206B026	D	D		D	D	D	D	D	D	D	D
10/24/2005	XX	GW206B03I	0.2 U	2 U		28	1 U	7.3	32	32	33	5.1	2 U
5/11/2006	XX	GW206B08E	0.2 U	2 U		69	1 U	13	68	51	53	1.9	2 U
7/26/2006	XX	GW206B072	0.2	2 U		72	3.2	13	79	64	68	1.6	2.6
10/23/2006	XX	GW206B05A	0.2 U	2 U		50	1 U	6.6	37	39	39	3.1	2 U
5/14/2007	XX	GW206B0A6	0.2 U	2 U		86	1 U	11	82	81	83	1 U	2 U
8/16/2007	XX	GW206B0BJ	D	D		D	D	D	D	D	D	D	D
10/29/2007	XX	GW206B0DB	D	D		D	D	D	D	D	D	D	D
5/27/2008	XX	GW206B0FJ	D	D		D	D	D	D		D	D	D
8/13/2008	XX	GW206B0HJ	0.2 U	0.71		100	1 U	9.9	78	80	82	1.4	2 U
10/20/2008	XX	GW206B0J7	D	D		D	D	D	D	D	D	D	D
5/5/2009	XX	GW206B117	0.2 U	0.85		110	0.6 U	8.9	77	78	79	2.5	2
8/6/2009	XX	GW206B137	0.2 U	0.79		90	2 U	15	66	56	58	2	2
10/21/2009	XX	GW206B14F	0.2 U	0.53		200	1 U	9.5	85	81	85	2.6	2 U
5/27/2010	XX	GW206B16G	D	D		D	D	D	D	D	D	D	D
8/3/2010	XX	GW206B18H	D	D		D	D	D	D	D	D	D	D
10/13/2010	XX	GW206B1A5	0.2 U	0.51		68	1.7	4.5	36	42	42	2.5	2 U
5/17/2011	XX	GW206B1E4	0.2 U	0.5 U		35	4.2 U	2.8	28	28	28	3.4	2 U

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

(206B) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
8/9/2011	XX	GW206B1FF	D	D		D	D	D	D	D	D	D	D
11/4/2011	XX	GW206B1H6	0.082 U	0.46 J		95	0.32 U	10	67	76	76	2.3	1.2 U
5/16/2012	XX	GW206B1J0	0.2 U	0.5 U		41	2.5 U	4.4	43	37	37	2.41	2 U
8/15/2012	XX	GW206B20D	I	I		I	I	I	I	I	I	I	I
10/30/2012	XX	GW206B227	0.2 U	0.35		66	2.5 U	6	55	54	54	2.6	0.96
5/20/2013	XX	GW206B241	0.2 U	0.37		82	2.5 U	7.2	35	57	57	1.3	0.85
7/24/2013	XX	GW206B25F	0.2 U	0.54		84	3.4	6.6	62	66	66	1.5	1.2
10/2/2013	XX	GW206B279	0.2 U	0.3		77	2.5 U	6.5	58	58	58	1.2	0.63
6/3/2014	XX	GW206B293	0.1 U	0.82		99	4 U	8.4	75.8	72	72	1.2	3.8
8/20/2014	XX	GW206B2AH	D	D		D	D	D	D	D	D	D	D
11/11/2014	XX	GW206B2CB	0.1 U	0.36		44	4 U	1 U	25.6	30	30	2.8	3.8
6/2/2015	XX	GW206B2E7	0.1 U	0.25		70	4.4	5.1	35.7	38	38	1.5	3.5
9/2/2015	XX	GW206B2G2	I	I		I	I	I	I	I	I	I	I
11/3/2015	XX	GW206B2HG	0.1 U	0.35		59	4 U	2.2	33.2	36	36	2.5	2 U
6/15/2016	XX	GW206B316	0.1 U	0.29		78	12	7.4	58.4	56	56	1 U	2.4
9/21/2016	XX	GW206B330	D	D		D	D	D	D	D	D	D	D
11/9/2016	XX	GW206B34E	D	D		D	D	D	D	D	D	D	D
6/13/2017	XX	GW206B369	0.37	0.28		100	4 U	3.4	52.1	36	36	1.4	2.3
8/30/2017	XX	GW206B383	I	I		I	I	I	I	I	I	I	I
11/15/2017	XX	GW206B39H	0.1 U	0.62		88	4 U	8.7	75.3	66	66	1	3
6/19/2018	XX	GW206B3BC	0.1 U	0.55		110	4 U	9.7	69	70	70	1 U	2.2
8/14/2018	XX	GW206B3E1	I	I		I	I	I	I	I	I	I	I
11/27/2018	XX	GW206B3F0	0.1 U	0.47		39	4 U	13	34.6	36	36	2.1	2.3
6/4/2019	XX	GW206B3GF	0.1 U	0.17		81	4 U	4.1	53	39	39	1.5	2 U
8/13/2019	XX	GW206B3J4	0.1 U	0.45		98	19	7.8	64	64	64	1.2	3
10/23/2019	XX	GW206B403	D	D		D	D	D	D	D	D	D	D
301													
5/3/2000	XX	301XX36649	0.1 U	1 U		212	41	9.3	166.3	110	125.2	1.8	28.7
8/9/2000	XX	301XX36747	0.1 U	1 U		219	3	12	126.8	110	129.3	1.8	31.6
11/8/2000	XX	301XX36838	0.1 U	1 U		242	1 U	12.9	125.8	142	143.4	1.7	31.9
5/16/2001	XX	301XX37027	0.1 U	1 U		247	1 U	12.8	161.4	146	148	1.6	35.5
7/31/2001	XX	301XX37103	0.1 U	1 U		245	1	12.7	159.7	150	152	3.8	35.6
10/23/2001	XX	301XX37187	0.1 U	1 U		281	2	14.7	191	160	174	2.5	40
5/21/2002	XX	301XX37397	0.1 U	1 U		293	2	16.3	141.9	175	178	2.2	43.1
8/2/2002	XX	301XX37470	0.1 U	1 U		337	1	16.6	147.4	188	200	2.9	42.6
10/23/2002	XX	301XX37552	0.1 U	1 U		304	1	23.1	205.8	190	208	2.4	43.3
6/24/2003	XX	301XX37796	0.2 U	2 U		300	1 U	19	320	210	230	2.2	37
8/12/2003	XX	301XX37845	0.2 U	2 U		340	1 U	23	320	200	230	2.6	33
10/16/2003	XX	301XX37910	0.2 U	2 U		340	1 U	24	320	230	250	2.9	33
5/5/2004	XX	301XX38112	0.2 U	2 U		370	1 U	23	350	250	270	2.5	31
8/9/2004	XX	301XX38208	0.2 U	2 U		390	1 U	24	320	265	280	2.5	35
10/20/2004	XX	301XX38280	0.2 U	2 U		420	1 U	23	330	260	280	3.4	35
5/11/2005	XX	GW301X00F	0.2 U	2 U		410	1 U	27	360	270	290	4.1	42
7/27/2005	XX	GW301X027	0.2 U	2 U		440	1 U	24	410	280	300	2.8	38
11/7/2005	XX	GW301X03J	0.2 U	2 U		480	3	24	430	320	350	3.5	40
5/1/2006	XX	GW301X08F	0.2 U	2 U		450	3.5	24	450	330	350	3.9	40
7/31/2006	XX	GW301X073	0.2 U	2 U		480	1 U	26	500	330	360	5.1	41
10/26/2006	XX	GW301X05B	0.2 U	2 U		498	1 U	28	390	370	380	3.8	36
5/9/2007	XX	GW301X0A7	0.5 U	0.5 U		500	3.2	27	500	420	442	1.1	38

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

(301) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
8/9/2007	XX	GW301X0C0	0.2 U	0.5 U		620	1 U	26	560	400	440	24	42				
10/30/2007	XX	GW301X0DC	0.2 U	0.5 U		700	1 U	30	670	490	530	8.2	50				
10/30/2007	XD	GWDP3X0F0	0.2 U	0.5 U		680	1 U	30	670		530	7.8	50				
6/3/2008	XX	GW301X0G0	0.2 U	0.5 U		660	1 U	26	670	520	580	15	49				
8/14/2008	XX	GW301X0I0	0.2 U	0.5 U		700	1 U	25	560	540	570	9	49				
8/14/2008	XD	GWDP3X0H4	0.2 U	0.5 U		670	1 U	25	620		570	9.3	49				
10/21/2008	XX	GW301X0J8	0.2 U	0.5 U		760	1 U	26	790	550	590	10	58				
5/11/2009	XX	GW301X118	0.2 U	0.5 U		700	0.6 U	27	760	550	590	12	61				
8/10/2009	XX	GW301X138	0.2 U	0.5 U		770	0.6 U	27	910	550	590	10	62				
10/22/2009	XX	GW301X14G	0.2 U	0.5 U		750	1 U	29	690	570	600	15	71				
10/22/2009	XD	GWDP3X15G	0.2 U	0.5 U		780	1 U	28	810		600	14	73				
6/1/2010	XX	GW301X16H	0.2 U	0.5 U		780	1 U	27	710	580	610	13	77				
8/5/2010	XX	GW301X18I	0.2 U	0.5 U		800	1.1 U	25	760	590	630	11	77				
10/18/2010	XX	GW301X1A6	0.2 U	0.5 U		850	1.2 U	24	620	600	630	14	94				
5/18/2011	XX	GW301X1D9	0.2 U	0.5 U		820	4.2 U	27	710	640	640	13	90				
8/9/2011	XX	GW301X1F0	0.08 U	0.2 U		890	0.38 U	25	730	670	670	14	100				
11/2/2011	XX	GW301X1GB	0.082 U	0.2 U		810	0.55 J	27	660	640	640	13	87				
5/15/2012	XX	GW301X1I5	0.2 U	0.09 U		750	2.5 U	31	680	570	570	8	77				
8/14/2012	XX	GW301X1JI	0.2 U	0.25 U		810	3.5	26	620	610	610	8.99	89				
10/30/2012	XX	GW301X21C	0.2 U	0.25 U		900	2.5 U	25	790	680	680	8.9	99				
5/22/2013	XX	GW301X236	0.2 U	0.25 U		960	2.5 U	26	740	710	710	8.9	100				
7/25/2013	XX	GW301X250	0.2 U	0.25 U		1000	2.5 U	24	810	730	730	10	110				
10/1/2013	XX	GW301X26E	0.2 U	0.25 U		960	2.5 U	26	740	700	700	9.5	100				
6/4/2014	XX	GW301X288	0.1 U	0.05 U		1000	4 U	28	921	770	780	9.4	100				
8/20/2014	XX	GW301X2A2	0.1 U	0.05 U		1100	4 U	28	1010	890	900	11	100				
11/11/2014	XX	GW301X2BG	0.1 U	0.05 U		1100	4 U	28	854	830	830	12	110				
6/3/2015	XX	GW301X2DC	0.1 U	0.05 U		1100	4 U	24	876	840	840	11	110				
9/1/2015	XX	GW301X2F7	0.1 U	0.05 U		1200	4 U	23	1030	820	820	13	100				
11/4/2015	XX	GW301X2H1	0.1 U	0.05 U		1100	4 U	22	930	850	850	11	110				
6/15/2016	XX	GW301X30B	0.1 U	0.05 U		1100	4 U	25	954	850	850	11	110				
9/20/2016	XX	GW301X325	0.1 U	0.05 U		1300	4 U	26	971	910	910	13	110				
11/10/2016	XX	GW301X33J	0.1 U	0.05 U		1200	4 U	24	1000	1100	1100	15	95				
6/14/2017	XX	GW301X35E	0.1 U	0.05 U		1200	4 U	26	1080	960	960	14	97				
8/29/2017	XX	GW301X378	0.1 U	0.05 U		1200	4 U	24	1020	980	980	14	96				
11/14/2017	XX	GW301X392	0.1 U	0.1		1200	4 U	29	948	970	970	16	87				
6/19/2018	XX	GW301X3AH	0.1 U	0.05 U		1200	4 U	49	972	1000	1000	15	83				
8/14/2018	XX	GW301X3D6	0.1 U	0.05 U		1200	4 U	45	1010	1000	1000	16	91				
11/28/2018	XX	GW301X3E5	0.1 U	0.05 U		1200	12	47	1050	1100	1100	17	82				
6/5/2019	XX	GW301X3G0	0.1 U	0.05 U		1300	4 U	44	1040	1000	1000	17	77				
8/13/2019	XX	GW301X3I9	0.1 U	0.05 U		1200	4 U	42	999	1000	1000	17	78				
10/23/2019	XX	GW301X3J8	0.1 U	0.05 U		1200	4 U	38	1020	1000	1000	17	69				
302B																	
5/3/2000	XX	302BXX36649	0.1 U	1 U		224	9	11.1	143.9	81	88.9	3.5	50.9				
8/9/2000	XX	302BXX36747	0.1 U	1 U		307	1	12.1	175.8	165	181.8	3.1	39.3				
11/8/2000	XX	302BXX36838	0.1 U	1 U		303	1 U	12	153	144	147.5	4.3	52.1				
5/16/2001	XX	302BXX37027	0.1 U	1 U		368	1	14.5	223.2	210	230	4.1	47.5				
7/31/2001	XX	302BXX37103	0.1 U	1 U		300	1	12.8	189.7	158	158	7.4	46.5				
10/23/2001	XX	302BXX37187	0.1 U	1 U		314	2	14.8	177.4	158	162	4.3	53.4				
5/21/2002	XX	302BXX37397	0.1 U	1 U		394	1 U	19	259.6	200	230	6.3	69.2				

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

(302B)

Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
8/7/2002	XX	302BXX37475	0.1 U	1 U		438	4	17.7	288.1	265	290	14.7	49.9
10/23/2002	XX	302BXX37552	0.1 U	1 U		362	1 U	20	245.4	230	244	6.7	57.7
6/23/2003	XX	302BXX37795	0.2 U	2 U		530	1 U	39	460	325	350	13	50
8/12/2003	XX	302BXX37845	0.2 U	2 U		460	1 U	27	370	330	360	9.6	39
10/20/2003	XX	302BXX37914	0.27	2 U		500	1 U	45	460	330	350	13	41
5/4/2004	XX	302BXX38111	0.2 U	2 U		540	1 U	63	540	370	390	24	41
8/5/2004	XX	302BXX38204	0.2 U	2 U		520	1 U	37	460	340	360	10	38
10/20/2004	XX	302BXX38280	0.2 U	2 U		520	1 U	36	490	325	350	16	40
5/11/2005	XX	GW302B00G	0.2 U	2 U		600	1 U	78	490	330	350	12	52
7/27/2005	XX	GW302B028	0.2 U	2 U		690	1 U	59	570	390	390	12	43
11/7/2005	XX	GW302B040	0.2 U	2 U		600	3	63	520	390	410	13	50
5/1/2006	XX	GW302B08G	0.2 U	2 U		620	1 U	63	640	415	460	22	51
7/31/2006	XX	GW302B074	0.2 U	2 U		660	1 U	61	630	450	480	17	49
10/25/2006	XX	GW302B05C	0.25	2 U		640	1 U	53	620	480	500	13	45
5/9/2007	XX	GW302B0A8	0.5 U	0.5 U		610	1 U	50	530	440	470	8.2	42
8/9/2007	XX	GW302B0C1	0.2 U	0.5 U		670	1 U	46	550	385	400	34	42
10/30/2007	XX	GW302B0DD	0.2 U	0.5 U		670	1 U	41	630	450	490	16	48
6/2/2008	XX	GW302B0G1	0.2 U	0.5 U		640	1 U	38	530	480	520	32	44
8/14/2008	XX	GW302B0I1	0.2 U	0.5 U		680	1 U	37	570	530	560	23	47
10/21/2008	XX	GW302B0J9	0.2 U	0.5 U		680	1 U	40	640	470	490	21	47
10/21/2008	XD	GWDP3X108	0.2 U	0.5 U		680	1 U	40	660		500	22	46
5/11/2009	XX	GW302B119	0.2 U	0.5 U		700	0.6 U	35	720	540	560	28	44
8/10/2009	XX	GW302B139	0.2 U	0.5 U		720	0.6 U	35	670	520	560	24	46
8/10/2009	XD	GWDP3X12C	0.2 U	0.5 U		730	0.6 U	35	680		560	22	45
10/22/2009	XX	GW302B14H	0.2 U	0.5 U		650	1 U	39	520	490	520	22	50
6/1/2010	XX	GW302B16I	0.2 U	0.5 U		700	1.1 U	36	610	510	550	24	49
8/4/2010	XX	GW302B18J	0.2 U	0.5 UH		680	1 U	41	570	520	550	22	52
10/14/2010	XX	GW302B1A7	0.2 U	0.5 U		750	1.1 U	37	490	530	570	22	56
5/18/2011	XX	GW302B1DA	0.2 U	0.5 U		640	5 U	26	510	540	540	22	60
8/8/2011	XX	GW302B1F1	0.08 U	0.2 U		770	0.39 U	30	300	600	600	22	69
11/1/2011	XX	GW302B1GC	0.082 U	0.2 U		830	0.32 U	24	650	670	670	28	63
5/15/2012	XX	GW302B1I6	0.2 U	0.09 U		760	2.5 U	17	640	650	650	19	57
8/16/2012	XX	GW302B1JJ	0.2 U	0.25 U		820	2.5 U	25	540	630	630	19.6	62
10/30/2012	XX	GW302B21D	0.2 U	0.25 U		790	2.5 U	20	690	670	670	20	63
5/21/2013	XX	GW302B237	0.2 U	0.25 U		870	2.5 U	16	410	720	720	21	70
7/25/2013	XX	GW302B251	0.2 U	0.25 U		940	2.5 U	17	670	730	730	22	70
10/1/2013	XX	GW302B26F	0.2 U	0.25 U		910	2.5 U	19	660	700	700	21	75
6/3/2014	XX	GW302B289	0.1 U	0.23		840	4 U	19	654	670	680	18	64
8/20/2014	XX	GW302B2A3	0.11	0.14		850	4 U	22	716	700	700	16	70
11/11/2014	XX	GW302B2BH	0.1 U	0.14		860	4 U	18	642	660	660	18	72
6/3/2015	XX	GW302B2DD	0.11	0.05 U		960	4 U	11	712	720	720	21	78
9/1/2015	XX	GW302B2F8	0.15	0.46		900	4 U	18	768	650	650	22	75
11/4/2015	XX	GW302B2H2	0.13	0.05 U		960	4 U	1 U	745	770	770	21	80
6/15/2016	XX	GW302B30C	0.67	0.05 U		990	4 U	7.9	764	740	740	20	82
9/21/2016	XX	GW302B326	0.31	0.05 U		930	4 U	13	678	720	720	19	75
11/8/2016	XX	GW302B340	0.16	0.1		850	4 U	18	706	770	770	20	73
6/13/2017	XX	GW302B35F	0.46	0.05 U		1000	4 U	14	763	760	760	21	74
8/29/2017	XX	GW302B379	0.34	0.05 U		950	4 U	14	719	740	740	20	75
11/14/2017	XX	GW302B393	0.4	0.05 U		960	4 U	8.6	738	780	780	22	72
6/19/2018	XX	GW302B3AI	0.69	0.11		940	4 U	11	758	810	810	19	68

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

(302B) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
8/14/2018	XX	GW302B3D7	0.79	0.05 U		990	4 U	12	733	840	840	21	79
11/28/2018	XX	GW302B3E6	0.58	0.05 U		950	4 U	10	754	840	840	23	70
6/5/2019	XX	GW302B3G1	0.81	0.068		1000	4.4	1 U	837	880	880	25	69
8/13/2019	XX	GW302B3IA	1.1	0.05 U		1100	4 U	1 U	863	900	900	28	76
10/23/2019	XX	GW302B3J9	0.86	0.05 U		1000	4 U	13	861	820	820	24	72
302C													
5/3/2000	XX	302CXX36649	0.1 U	1 U		189	23	9.6	105.5	39	47.3	2.6	55
8/9/2000	XX	302CXX36747	0.1 U	1 U		293	1	15.5	117	120	132.3	4.3	59.8
11/8/2000	XX	302CXX36838	0.1 U	1 U		281	1 U	12.2	144.9	135	135.3	4.7	55.4
5/16/2001	XX	302CXX37027	0.1 U	1 U		294	1	14.1	144	155	160	6.5	55.2
7/31/2001	XX	302CXX37103	0.1 U	1 U		308	2	12.1	138	154	156	8.1	44.4
10/23/2001	XX	302CXX37187	0.1 U	1 U		327	2	14.5	210.8	165	174	5.7	58.3
5/21/2002	XX	302CXX37397	0.1 U	1 U		270	1 U	19.4	176.5	110	118	5.1	60.4
8/7/2002	XX	302CXX37475	0.1 U	1 U		465	1 U	21.5	283	240	264	11.8	74.3
10/23/2002	XX	302CXX37552	0.1 U	1 U		453	1 U	29.6	299.5	270	296	11.9	71.1
6/23/2003	XX	302CXX37795	0.2 U	2 U		410	1 U	46	370	240	260	13	51
8/12/2003	XX	302CXX37845	0.2 U	2 U		540	1 U	48	520	370	390	19	44
10/20/2003	XX	302CXX37914	0.2 U	2 U		400	1 U	50	340	220	240	12	41
5/4/2004	XX	302CXX38111	0.2 U	2 U		410	1 U	69	420	250	270	14	40
8/5/2004	XX	302CXX38204	0.27	2 U		510	1 U	56	690	315	340	12	34
10/20/2004	XX	302CXX38280	0.2 U	2 U		490	1 U	55	420	280	310	14	140
5/11/2005	XX	GW302C00H	0.2 U	2 U		470	1 U	79	390	230	250	12	55
7/27/2005	XX	GW302C029	0.2 U	2 U		630	1 U	78	570	380	400	12	53
11/7/2005	XX	GW302C041	0.2 U	2 U		580	3	74	490	350	370	16	56
5/1/2006	XX	GW302C08H	0.2 U	2 U		580	1.5	66	540	370	390	18	55
7/31/2006	XX	GW302C075	0.2 U	2 U		640	1 U	57	610	460	490	16	48
10/25/2006	XX	GW302C05D	0.2 U	2 U		560	1 U	55	380	340	360	14	39
5/9/2007	XX	GW302C0A9	0.5 U	0.5 U		550	1 U	51	450	425	450	9.4	42
8/9/2007	XX	GW302C0C2	0.26	0.5 U		640	2	41	490	390	410	48	40
8/9/2007	XD	GWDP3X0EG	0.24	0.5 U		620	1.6	41	490		410	48	40
10/30/2007	XX	GW302C0DE	0.2 U	0.5 U		600	1 U	43	530	400	420	18	44
6/2/2008	XX	GW302C0G2	0.2 U	0.5 U		670	1 U	35	600	520	580	32	46
6/2/2008	XD	GWDP3X0F4	0.2 U	0.5 U		670	1 U	36	570		560	31	46
8/14/2008	XX	GW302C0I2	0.2 U	0.5 U		610	1 U	34	470	470	500	24	43
10/21/2008	XX	GW302C0JA	0.2 U	0.5 U		620	1.2	32	590	470	490	22	38
5/11/2009	XX	GW302C11A	0.2 U	0.5 U		640	0.6 U	32	540	525	530	18	40
8/10/2009	XX	GW302C13A	0.2 U	0.5 U		670	0.6 U	33	480	490	540	26	45
10/22/2009	XX	GW302C14I	0.2 U	0.5 U		580	1 U	31	460	440	460	22	35
6/1/2010	XX	GWXXXX17F	0.2 U	0.5 U		700	1 U	26	650	510	550	25	44
6/1/2010	XD	GWDP3X161	0.2 U	0.5 U		680	1 U	26	680		550	24	44
8/4/2010	XX	GW302C190	0.2 U	0.5 UH		600	1.1 U	23	490	480	510	20	42
10/14/2010	XX	GW302C1A8	0.2 U	0.5 U		630	1.3 U	23	450	505	530	23	48
5/18/2011	XX	GW302C1DB	0.2 U	0.5 U		320	5 U	18	280	290	290	12	26
5/18/2011	XD	GWXXXX1EH	0.2 U	0.5 U		320	5 U	18	270	290	290	12	25
8/8/2011	XX	GW302C1F2	0.08 U	0.2 U		800	1.3 J	19	530	650	650	28	71
11/1/2011	XX	GW302C1GD	0.082 U	0.2 U		750	0.32 U	17	560	650	650	28	57
11/1/2011	XD	GWDP1X1HI	0.082 U	0.2 U		780	0.32 U	17	590	670	670	30	57
5/15/2012	XX	GW302C1I7	0.2 U	0.09 U		470	2.5 U	12	380	430	430	14	34
5/15/2012	XD	GWDP2X1JD	0.2 U	0.09 U		480	2.5 U	14	370	430	430	14	33

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

(302C)			Ammonia (N)	Nitrate (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Ca-mg Hardness (CaCO3)	Bicarbonate (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Chloride				
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				
8/16/2012	XX	GW302C200	0.2 U	0.25 U		800	2.5 U	13	580	640	640	24	64				
8/16/2012	XD	GWDP2X216	0.2 U	0.25 U		810	2.5 U	13	620	650	650	24	62				
10/30/2012	XX	GW302C21E	0.2 U	0.25 U		760	2.6 U	12	650	670	670	20	60				
10/30/2012	XD	GWDP3X231	0.2 U	0.25 U		770	2.5 U	12	590	650	650	20	59				
5/21/2013	XX	GW302C238	0.2 U	0.25 U		860	2.5 U	12	650	750	750	21	70				
7/25/2013	XX	GW302C252	0.2 U	0.25 U		940	2.5 U	12	650	740	740	22	69				
7/25/2013	XD	GWDP1X267	0.2 U	0.25 U		960	2.5 U	12	640	770	770	23	71				
10/1/2013	XX	GW302C26G	0.2 U	0.25 U		800	2.5 U	10	620	680	680	21	58				
10/1/2013	XD	GWDP1X281	0.2 U	0.25 U		800	2.5 U	10	610	660	660	21	58				
6/3/2014	XX	GW302C28A	0.18	0.05 U		860	4 U	9	636	700	700	19	62				
8/20/2014	XX	GW302C2A4	0.12	0.05 U		740	4 U	22	575	620	620	17	52				
8/20/2014	XD	GWDP3X2BB	0.12	0.05 U		730	4 U	15	551	630	630	17	53				
11/11/2014	XX	GW302C2BI	0.68	0.05 U		760	4 U	6.2	595	670	670	19	64				
11/11/2014	XD	GWDP1X2D3	0.66	0.05 U		800	4 U	5.5	589	650	660	19	63				
6/3/2015	XX	GW302C2DE	0.98	0.05 U		930	4 U	1.5	631	730	730	20	71				
9/1/2015	XX	GW302C2F9	0.3	0.05 U		820	4 U	5.4	617	650	650	19	56				
9/1/2015	XD	GWDP3X2GG	0.3	0.05 U		830	4 U	4.8	577	660	660	19	57				
11/4/2015	XX	GW302C2H3	1.4	0.05 U		860	4 U	1 U	667	710	710	21	66				
11/4/2015	XD	GWDP1X2I8	1.4	0.05 U		870	4 U	1 U	688	700	700	21	63				
6/15/2016	XX	GW302C30D	0.32	0.05 U		970	4 U	1 U	731	770	770	20	74				
9/21/2016	XD	GWDP3X33E	0.32	0.05 U		810	4 U	1 U	582	640	640	19	55				
9/21/2016	XX	GW302C327	0.32	0.05 U		800	4 U	1 U	563	640	640	19	53				
11/8/2016	XD	GWDP1X356	0.82	0.05 U		790	4 U	1.7	636	740	740	22	63				
11/8/2016	XX	GW302C341	0.83	0.05 U		820	4 U	1.3	674	740	740	22	64				
6/13/2017	XX	GW302C35G	1.2	0.05 U		1000	4 U	1 U	728	810	810	24	67				
8/29/2017	XD	GWDP3X38H	0.75	0.05 U		830	4 U	1 U	623	710	710	20	54				
8/29/2017	XX	GW302C37A	0.7	0.05 U		840	4 U	1 U	626	710	710	19	52				
11/14/2017	XD	GWDP1X3A9	2.4	0.05 U		880	4 U	1 U	566	730	730	22	55				
11/14/2017	XX	GW302C394	2.3	0.05 U		880	4 U	1 U	590	720	720	22	55				
6/19/2018	XX	GW302C3AJ	1.5	0.05 U		1000	4 U	1 U	744	880	880	24	62				
8/14/2018	XD	GWDP3X3D1	1.6	0.05 U		880	4 U	1 U	654	780	780	21	59				
8/14/2018	XX	GW302C3D8	1.5	0.05 U		910	4 U	1 U	658	790	790	22	57				
11/28/2018	XD	GWDP1X3FC	3.6	0.05 U		1000	4 U	1 U	772	890	890	27	61				
11/28/2018	XX	GW302C3E7	3.6	0.05 U		1000	4 U	1 U	756	880	880	26	62				
6/5/2019	XX	GW302C3G2	4	0.05 U		1100	4 U	1 U	767	870	880	28	60				
8/13/2019	XD	GWDP3X3I4	0.65	0.05 U		980	4 U	1 U	700	900	900	27	61				
8/13/2019	XX	GW302C3IB	0.72	0.05 U		990	4 U	1 U	736	890	890	27	60				
10/23/2019	XX	GW302C3JA	0.71	0.05 U		860	4 U	6.1	661	730	730	22	45				
10/23/2019	XD	GWDP1X40F	1.9	0.05 U		860	6	1 U	692	750	750	23	47				
303A																	
4/27/2000	XX	303AXX36643	8.15	6.3		815	7	13.8	693.9	680	747.4	10.1	33				
8/2/2000	XX	303AXX36740	7.83	2.7		853	6	15.7	665.3	680	773.7	10.4	44.4				
10/25/2000	XX	303AXX36824	5.21	3.5		1262	4	12.4	1065.1	1180	1254.9	22.7	75.8				
5/9/2001	XX	303AXX37020	11.7	8		1537	6	12.4	1260.7	1470	1470	25.4	79.8				
7/25/2001	XX	303AXX37097	5.48	4.1		1120	4	14.5	927.8	1030	1035	11.2	43.8				
10/17/2001	XX	303AXX37181	6.52	1.2		1476	4	13.2	1274.3	1385	1395	11.9	83.9				
5/16/2002	XX	303AXX37392	11.2	3.6		993	1	13	829	840	916	10.7	39.2				
8/1/2002	XX	303AXX37469	10.78	7.1		920	4	20.7	728.3	770	842	158.5	39.1				
10/17/2002	XX	303AXX37546	9.66	1.2		1104	1	21.4	863.4	1000	1040	14	61.9				

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

(303A)

Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
6/23/2003	XX	303AXX37795	12	7.7		820	1 U	16	700	740	760	9.4	28
8/19/2003	XX	303AXX37852	13	3.1		870	1 U	14	800	790	830	10	29
10/14/2003	XX	303AXX37908	15	2 U		1000	1 U	20	980	920	1000	15	37
5/3/2004	XX	303AXX38110	16	2.4		920	1 U	21	1000	820	840	12	31
8/17/2004	XX	303AXX38216	17	2 U		1000	1 U	18	990	930	1000	15	35
10/19/2004	XX	303AXX38279	18	2 U		1100	1 U	14	1200	1120	1200	27	42
5/18/2005	XX	GW303A00I	24	3		930	1 U	15	1000	600	200	12	31
8/15/2005	XX	GW303A02A	15	2.3		690	1.5	16	710	180	650	7.4	24
11/3/2005	XX	GW303A042	12	2 U		970	6.5	14	970	960	1000	13	46
5/11/2006	XX	GW303A08I	12	2 U		600	1 U	19	690	520	580	8.7	25
7/26/2006	XX	GW303A076	10	2 U		580	1 U	18	640	540	590	7.2	19
10/24/2006	XX	GW303A05E	11	2 U		770	1 U	18	640	720	750	11	32
5/15/2007	XX	GW303A0AA	9.3	2 U		810	1 U	15	660	840	890	9.9	24
8/15/2007	XX	GW303A0C3	8.4	0.56		690	1 U	16	540	550	590	29	23
8/15/2007	XD	GWDP2X0EF	8.7	0.56		700	1 U	16	540		610	21	23
10/29/2007	XX	GW303A0DF	6.1	0.5 U		970	1 U	14	1000	900	950	23	42
6/2/2008	XX	GW303A0G3	7.9	1.6		660	1 U	17	640	640	690	8	20
8/13/2008	XX	GW303A0I3	7.1	1.1		560	1 U	17	440	530	580	7.4	14
10/20/2008	XX	GW303A0JB	6.3	0.78		590	1 U	18	470	530	570	9.7	19
5/5/2009	XX	GW303A11B	8.5	0.86		730	0.6 U	15	780	690	730	15	19
8/6/2009	XX	GW303A13B	7.6	3.1		580	2 U	41	650	520	560	9.7	38
10/21/2009	XX	GW303A14J	6.8	1		560	1 U	16	390	480	510	10	15
5/27/2010	XX	GW303A170	6.6	2		510	1.1 U	18	530	470	490	8.3	11
8/4/2010	XX	GW303A191	7.5	0.55 H		530	1 U	14	530	540	560	12	16
10/14/2010	XX	GW303A1A9	4.8	0.5 U		710	1.2	14	540	730	750	15	26
5/17/2011	XX	GW303A1E5	6.5	2.8		500	4.2 U	11	420	490	490	9.3	8.8
8/9/2011	XX	GW303A1FG	6.6	1.4		390	0.38 U	14	310	380	380	7.6	9.4
11/3/2011	XX	GW303A1H7	7.9	0.46 J		540	0.32 U	14	440	560	560	13	15
5/17/2012	XX	GW303A1J1	7.9	1.4		300	2.5 U	13	450	490	490	6.99	8.6
8/15/2012	XX	GW303A20E	7.1	0.83		480	2.5 U	15	400	490	490	6.82	9.5
11/1/2012	XX	GW303A228	8.5	0.25 U		550	2.5 U	12	510	530	530	8.7	15
5/21/2013	XX	GW303A242	6.3	1.7		460	2.5 U	16	390	480	480	5.2	8.6
7/24/2013	XX	GW303A25G	6.6	2.1		460	2.5 U	15	320	440	440	4.8	7.3
10/2/2013	XX	GW303A27A	6.6	0.41		430	2.5 U	15	340	430	430	4.8	9.2
6/3/2014	XX	GW303A294	6	2.5		500	4 U	13	388	440	440	5.3	9.6
8/20/2014	XX	GW303A2AI	6.7	0.57		450	4 U	13	363	450	450	5.1	11
11/12/2014	XX	GW303A2CC	9.2	0.05 U		620	4 U	10	511	610	610	7.8	17
6/3/2015	XX	GW303A2E8	6.5	2.3		430	4 U	10	322	400	400	4.8	9
9/1/2015	XX	GW303A2G3	6.3	0.86		300	4 U	11	305	360	360	4.6	8
11/3/2015	XX	GW303A2HH	7.1	0.24		500	4 U	15	401	480	480	6.3	13
6/15/2016	XX	GW303A317	4.4	2.6		350	4 U	15	255	270	270	2.9	5.8
9/20/2016	XX	GW303A331	5.9	0.093		350	4 U	14	320	370	370	4.9	13
11/8/2016	XX	GW303A34F	6.1	0.05 U		550	4 U	14	434	630	630	7.1	19
6/13/2017	XX	GW303A36A	5.3	1.2		420	4 U	13	304	370	370	4.5	7.7
8/30/2017	XX	GW303A384	5.1	0.76		380	4 U	13	289	360	360	3.9	7.8
11/15/2017	XX	GW303A39I	6.3	0.05 U		510	4 U	11	461	510	510	7.2	17
6/20/2018	XX	GW303A3BD	5.1	2.1		360	4 U	14	292	330	330	3.7	5.3
8/15/2018	XX	GW303A3E2	5.1	0.05 U		360	4 U	15	263	340	340	4	6.7
11/27/2018	XX	GW303A3F1	7.5	0.66		690	4 U	11	570	690	690	10	20
6/4/2019	XX	GW303A3GG	5	2.5		410	4 U	12	286	350	350	4.7	5.9

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

(303A) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
8/14/2019	XD	GWDP1X3I2	5.3	1.1		360	4 U	15	240	320	320	3.9	6.4
8/14/2019	XX	GW303A3J5	5.3	0.94		350	4 U	16	221	350	350	3.9	6.9
10/22/2019	XX	GW303A404	5.7	0.05 U		430	4 U	12	330	380	380	5.9	11
303B													
4/27/2000	XX	303BXX36643	5.36	8		444	35	8.1	349.6	300	364.6	5	18
8/2/2000	XX	303BXX36740	4.94	2.8		826	1	12.1	675.3	700	784.8	12.7	51.6
10/25/2000	XX	303BXX36824	3.92	5.1		1605	7	7.6	1337.8	1480	1545.3	30.5	85.4
5/9/2001	XX	303BXX37020	10.2	12.5		1051	1	8.1	733	950	982.5	14	49.6
7/25/2001	XX	303BXX37097	6.26	3.6		1143	2	10.7	890.3	860	930	16.4	51.1
10/17/2001	XX	303BXX37181	8.7	5.7		1604	5	11.3	1392.2	1514	1523	24.4	86.1
5/16/2002	XX	303BXX37392	7.28	8.2		673	1	8.3	505.3	485	560	1 U	20.6
8/2/2002	XX	303BXX37470	5.16	10.5		650	2	11.9	460	480	528	7.9	33.9
10/17/2002	XX	303BXX37546	4.38	1.9		1296	7	19.9	999.1	1150	1198	20.4	75.8
6/23/2003	XX	303BXX37795	9.9	13		510	1 U	16	450	420	470	7.1	16
8/19/2003	XX	303BXX37852	11	2.8		810	1 U	11	770	780	820	13	30
10/14/2003	XX	303BXX37908	12	2 U		1100	1 U	9.9	1100	1040	1100	21	38
5/3/2004	XX	303BXX38110	12	5.5		680	1 U	12	650	590	610	10	20
8/17/2004	XX	303BXX38216	14	2		1100	1 U	10	970	970	1100	16	39
10/19/2004	XX	303BXX38279	15	2.5		1100	1 U	9	1100	1120	1200	23	35
5/18/2005	XX	GW303B00J	20 U	6.8		520	1 U	13	170	440	480	6.1	12
8/15/2005	XX	GW303B02B	10	4		490	1 U	14	410	400	440	7.1	26
11/3/2005	XX	GW303B043	12	3.4		840	3.5	9	890	800	850	12	35
5/11/2006	XX	GW303B08J	7.8	2 U		530	1 U	16	570	485	510	9.3	24
7/26/2006	XX	GW303B077	7.7	2.7		420	1 U	15	440	400	420	6	15
10/24/2006	XX	GW303B05F	6.9	2 U		790	1 U	13	920	780	810	13	35
5/15/2007	XX	GW303B0AB	7.5	4.3		480	1 U	15	390	460	480	5.2	8.6
8/15/2007	XX	GW303B0C4	0.21	1.6		650	1 U	13	490	470	510	37	29
10/29/2007	XX	GW303B0DG	4.9	0.68		1100	1 U	10	1200	920	1000	26	44
6/3/2008	XX	GW303B0G4	6.5	4.4		370	1 U	15	390	380	380	8	7.1
8/13/2008	XX	GW303B0I4	5.5	2.5		350	1 U	17	280	330	360	6.3	9.5
10/20/2008	XX	GW303B0JC	4.5	1.1		540	1 U	15	450	490	520	11	21
5/5/2009	XX	GW303B11C	7.5	3.1		460	0.6 U	13	410	430	440	8.5	8.5
8/6/2009	XX	GW303B13C	5.9	7.3		340	2 U	35	240	290	320	5.9	20
10/21/2009	XX	GW303B150	4.4	1.5		460	1 U	13	360	410	420	12	17
5/27/2010	XX	GW303B171	4.7	3.4		320	1 U	17	260	290	300	6.1	6.2
8/4/2010	XX	GW303B192	6	0.84 H		540	1 U	10	550	550	580	12	19
8/4/2010	XD	GWDP2X181	6.2	0.7 H		550	1.1 U	10	430		580	12	18
10/14/2010	XX	GW303B1AA	2.4	4.6		720	1.1 U	10	530	705	720	16	24
5/17/2011	XX	GW303B1E6	4.4	4.4		280	4.2 U	12	220	260	260	5.3	4.3
8/9/2011	XX	GW303B1FH	4.2	1.7		320	0.38 U	13	180	290	290	6.5	11
11/3/2011	XX	GW303B1H8	5.2	1.1 J		500	0.32 U	11	400	510	510	11	11
5/17/2012	XX	GW303B1J2	6.4	2.6		120	2.5 U	12	290	330	330	5.08	5.4
8/15/2012	XX	GW303B20F	5.7	2		370	2.5 U	12	300	350	350	6	7.2
11/1/2012	XX	GW303B229	6.8	0.89		670	2.5 U	11	580	600	600	10	14
5/21/2013	XX	GW303B243	4.8	3.8		250	2.5 U	14	230	270	270	3.7	4
7/24/2013	XX	GW303B25H	4.4	3.2		290	2.5 U	12	190	250	250	3.9	4
10/2/2013	XX	GW303B27B	4.6	0.35		370	2.5 U	9.6	300	390	390	5.6	8.7
6/3/2014	XX	GW303B295	4.6	3.3		340	4 U	12	239	280	280	3.5	6.2
8/20/2014	XX	GW303B2AJ	5.7	1.2		410	4 U	11	326	400	400	5.3	11

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

(303B) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
11/12/2014	XX	GW303B2CD	7.3	2.1		700	4 U	6.4	572	660	660	9.1	18
6/3/2015	XX	GW303B2E9	4.2	3.4		310	4 U	9.6	229	270	270	3.5	6.3
9/1/2015	XX	GW303B2G4	2.8	1.9		350	4 U	9.7	268	280	280	4.4	8.2
11/3/2015	XX	GW303B2HI	4.7	1.6		420	4 U	9.6	348	390	390	5.4	8.5
6/15/2016	XX	GW303B318	2.6	2.4		230	4 U	13	157	170	170	2.3	5
9/20/2016	XX	GW303B332	4.3	1.3		510	4 U	10	400	430	430	6.6	15
11/8/2016	XX	GW303B34G	4.2	2.6		600	4 U	8.4	523	620	620	9.2	19
6/13/2017	XX	GW303B36B	3.2	2		100	4 U	12	191	210	210	3.3	4.2
8/30/2017	XX	GW303B385	2.7	3		300	4 U	13	220	240	240	3.4	8.4
11/15/2017	XX	GW303B39J	5	0.98		610	4 U	6.2	554	640	640	9	18
6/20/2018	XX	GW303B3BE	3.8	2.4		240	4 U	13	168	190	190	2.8	3
8/15/2018	XX	GW303B3E3	2.7	0.82		340	4 U	13	252	270	270	4.2	9.1
11/27/2018	XX	GW303B3F2	5.4	3.8		650	4 U	7.2	565	680	680	9.7	17
6/4/2019	XX	GW303B3GH	3.9	2.6		260	4 U	12	182	220	220	3.4	3.1
8/14/2019	XX	GW303B3J6	3.2	1.8		250	4 U	14	178	210	210	3.2	6.3
10/22/2019	XX	GW303B405	4.6	0.16		490	4 U	9.6	415	430	430	7.6	15
304A													
5/3/2000	XX	304AXX36649	0.1 U	1.4		216	14	13.7	164.3	145	164.6	1.6	9.5
8/9/2000	XX	304AXX36747	0.1 U	1.3		191	2	15.4	114.8	135	148.5	2.9	8.5
11/9/2000	XX	304AXX36839	0.1 U	1.1		289	1 U	14.5	70.3	170	180.8	1	10.3
5/16/2001	XX	304AXX37027	0.1 U	1.4		210	1	16.9	108.5	160	164	1.6	13.2
7/31/2001	XX	304AXX37103	0.1 U	1 U		198	2	15.8	102.6	146	146	7.6	9
10/23/2001	XX	304AXX37187	0.1 U	1 U		236	3	15.9	165.3	166	175	1.7	15.4
5/21/2002	XX	304AXX37397	0.12	1 U		241	1 U	17.9	117.4	180	180	1 U	16.8
7/30/2002	XX	304AXX37467	0.1 U	1 U		232	1	19.4	109.1	165	170	1.1	14
10/22/2002	XX	304AXX37551	0.1 U	1 U		265	2	19.5	137.9	205	220	1 U	18
6/24/2003	XX	304AXX37796	0.2 U	2 U		220	1 U	15	230	195	210	1 U	11
8/7/2003	XX	304AXX37840	0.2 U	2 U		210	1 U	15	210	170	180	1 U	7.2
10/21/2003	XX	304AXX37915	0.2 U	2 U		260	1 U	17	250	200	220	1.2	12
5/10/2004	XX	304AXX38117	0.2 U	2 U		210	1 U	14	220	190	210	1	9.1
7/28/2004	XX	304AXX38196	0.2 U	2 U		210	1 U	16	190	195	210	1 U	9.6
10/21/2004	XX	304AXX38281	0.2 U	2 U		320	1 U	16	240	200	220	1 U	11
5/10/2005	XX	GW304A010	0.2 U	2 U		290	1 U	5.6	260	180	190	1 U	4.8
7/28/2005	XX	GW304A02C	0.2 U	2 U		200	1.2	13	190	180	190	1 U	6.2
11/8/2005	XX	GW304A044	0.2 U	2 U		240	1 U	13	130	200	220	1.2	7.6
5/3/2006	XX	GW304A090	0.2 U	2 U		170	1.5	13	200	145	180	1.3	8.5
8/1/2006	XX	GW304A078	0.24	2 U		230	23	12	240	190	200	1.1	8.7
10/26/2006	XX	GW304A05G	0.2 U	2 U		239	5.5	13	180	180	190	1 U	9.7
5/8/2007	XX	GW304A0AC	0.5 U	0.5 U		190	1.9	5.8	190	190	200	1 U	7
8/7/2007	XX	GW304A0C5	0.2 U	0.5 U		250	1 U	11	190	180	190	3.8	12
8/7/2007	XD	GWDP4X0EH	0.2 U	0.5 U		240	1 U	11	230		180	2.8	12
10/31/2007	XX	GW304A0DH	0.2 U	0.5 U		260	1 U	13	270	180	190	1 U	18
6/3/2008	XX	GW304A0G5	0.2 U	0.5 U		210	1 U	11	160	150	160	1.8	8.2
8/18/2008	XX	GW304A0I5	0.2 U	0.5 U		240	1 U	13	150	160	170	1.1	9.4
10/23/2008	XX	GW304A0JD	0.2 U	0.5 U		210	1 U	11	180	160	170	1 U	9
10/23/2008	XD	SWDP4X109	0.2 U	0.5 U		210	1 U	11	170		170	1.2	9.1
5/12/2009	XX	GW304A11D	0.2 U	0.5 U		190	0.6 U	13	140	155	160	1.2	7.4
8/11/2009	XX	GW304A13D	0.2 U	0.5 U		240	1.7	13	170	120	150	1.6	5.8
10/26/2009	XX	GW304A151	0.2 U	0.5 U		290	1.1	13	160	155	160	1.3	7.1

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

(304A)

Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
6/2/2010	XX	GW304A172	0.2 U	0.5 U		190	2.3	14	170	150	150	2.2	6.8
8/5/2010	XX	GW304A193	0.2 U	0.5 U		170	1.1 U	13	160	150	150	1	6.1
10/18/2010	XX	GW304A1AB	0.2 U	0.5 U		200	1.3 U	12	130	130	130	1.3	11
5/19/2011	XX	GW304A1DC	0.2 U	0.5 U		150	5 U	12	130	140	140	1.1	5.1
8/8/2011	XX	GW304A1F3	0.08 U	0.2 U		180	0.38 U	13	90	140	140	0.94 J	5.1
8/8/2011	XD	GWDP2X1G8	0.08 U	0.2 U		720	0.38 U	7.6	130	680	680	0.8 J	33
11/2/2011	XX	GW304A1GE	0.082 U	0.2 U		170	0.32 U	13	130	140	140	1.3	3.8
5/15/2012	XX	GW304A1I8	0.2 U	0.09 U		130	2.5 U	9.9	130	130	130	1	4.1
5/15/2012	XD	GWDP3X1JE	0.2 U	0.09 U		130	2.5 U	10	140	130	130	1.2	4.5
8/15/2012	XX	GW304A201	0.2 U	0.25 U		140	2.5 U	12	110	120	120	1.36	2.5
10/31/2012	XX	GW304A21F	0.2 U	0.25 U		140	2.5 U	11	130	130	130	0.8	8.6
10/31/2012	XD	GWDP1X22J	0.2 U	0.25 U		150	2.5 U	11	130	130	130	0.6	9.3
5/21/2013	XX	GW304A239	0.2 U	0.25 U		140	2.5 U	13	120	130	130	0.63	6.1
5/21/2013	XD	GWDP1X24D	0.8	0.25 U		160	2.5 U	12	120	130	130	0.8	9.7
7/25/2013	XX	GW304A253	0.2 U	0.25 U		180	2.5 U	12	120	130	130	0.64	6.5
7/25/2013	XD	GWDP3X269	0.2 U	0.25 U		180	2.5 U	13	120	130	130	0.82	6.9
10/2/2013	XX	GW304A26H	0.2 U	0.25 U		170	2.5 U	12	120	130	130	0.58	9.5
10/2/2013	XD	GWDP2X283	0.2 U	0.25 U		180	2.5 U	12	120	130	130	0.53	9.9
6/4/2014	XX	GW304A28B	0.1 U	0.05 U		160	4 U	13	121	110	110	1 U	6.9
6/4/2014	XD	GWDP1X29F	0.1 U	0.05 U		160	4 U	13	118	120	120	1 U	6.5
8/20/2014	XX	GW304A2A5	0.1 U	0.05 U		160	6	13	121	140	140	1 U	7
8/20/2014	XD	GWDP1X2B9	0.1 U	0.05 U		150	4 U	13	119	130	130	1 U	7.8
11/12/2014	XX	GW304A2BJ	0.1 U	0.05 U		160	4 U	10	103	120	120	1 U	6
11/12/2014	XD	GWDP2X2D5	0.1 U	0.05 U		140	4 U	10	106	130	130	1 U	6.1
6/3/2015	XX	GW304A2DF	0.1 U	0.05 U		160	4 U	11	112	120	120	1 U	5.1
6/3/2015	XD	GWDP1X2EJ	0.1 U	0.05 U		150	4 U	11	108	120	120	1 U	5.1
9/2/2015	XX	GW304A2FA	0.1 U	0.052		160	4 U	12	117	120	120	1 U	4.3
9/2/2015	XD	GWDP1X2GE	0.1 U	0.05 U		160	4 U	12	125	120	120	1 U	4.6
11/4/2015	XX	GW304A2H4	0.1 U	0.05 U		180	4 U	11	121	130	130	1 U	5.6
11/4/2015	XD	GWDP2X2IA	0.1 U	0.05 U		180	4 U	11	116	130	130	1 U	5.5
6/16/2016	XD	GWDP1X31I	0.1 U	0.05 U		150	4 U	13	114	120	120	1 U	4.7
6/16/2016	XX	GW304A30E	0.1 U	0.05 U		150	4 U	13	112	120	120	1 U	4.5
9/21/2016	XD	GWDP1X33C	0.1 U	0.05 U		190	4 U	14	107	120	120	1 U	3.6
9/21/2016	XX	GW304A328	0.1 U	0.05 U		140	4 U	14	109	110	110	1 U	3.3
11/8/2016	XD	GWDP2X358	0.1 U	0.05 U		140	4 U	13	117	140	140	1 U	5.6
11/8/2016	XX	GW304A342	0.1 U	0.05 U		150	4 U	13	118	140	140	1 U	4.6
6/14/2017	XD	GWDP1X371	0.1 U	0.05 U		140	4 U	14	116	120	120	1 U	4
6/14/2017	XX	GW304A35H	0.1 U	0.05 U		140	4 U	14	121	180	180	1 U	3.4
8/29/2017	XD	GWDP1X38F	0.1 U	0.05 U		180	4 U	12	108	120	120	1 U	2.9
8/29/2017	XX	GW304A37B	0.1 U	0.05 U		160	4 U	12	111	120	120	1 U	3.5
11/14/2017	XD	GWDP2X3AB	0.1 U	0.05 U		160	4 U	11	109	120	120	1 U	3.9
11/14/2017	XX	GW304A395	0.1 U	0.05 U		150	4 U	12	104	120	120	1 U	3.8
6/21/2018	XD	GWDP1X3C4	0.1 U	0.05 U		190	4 U	13	113	120	120	1 U	2 U
6/21/2018	XX	GW304A3B0	0.1 U	0.05 U		170	4.8	13	125	120	120	1 U	2 U
8/15/2018	XD	GWDP1X3CJ	0.1 U	0.05 U		170	4 U	14	109	120	120	1 U	2.7
8/15/2018	XX	GW304A3D9	0.1 U	0.05 U		150	8	14	111	120	120	1 U	2.2
11/30/2018	XD	GWDP2X3FE	0.1 U	0.05 U		140	4 U	12	118	120	120	1 U	4.7
11/30/2018	XX	GW304A3E8	0.1 U	0.05 U		110	4 U	12	119	120	120	1 U	4.5
6/5/2019	XD	GWDP1X3H7	0.1 U	0.05 U		170	4 U	12	110	120	120	1 U	3.7
6/5/2019	XX	GW304A3G3	0.1 U	0.05 U		160	4 U	12	107	120	120	1 U	3

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

(304A) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
8/14/2019	XX	GW304A3IC	0.1 U	0.05 U		160	4 U	14		120	120	1 U	3.1				
8/14/2019	XX	GW304A3ICR							117								
10/24/2019	XX	GW304A3JB	0.1 U	0.05 U		150	4 U	12	112	120	120	1 U	3.3				
10/24/2019	XD	GWDP2X40H	0.1 U	0.05 U		160	5.2	12	107	120	120	1 U	2.9				
304B																	
5/3/2000	XX	304BXX36649	0.1 U	1 U		67	86	2.9	22	22	24.2	5	1.4				
8/9/2000	XX	304BXX36747	0.1 U	1 U		122	16	7.7	39.4	54	61.6	1	20.3				
11/9/2000	XX	304BXX36839	0.1 U	1 U		168	1	6.5	74.3	58	58.6	1 U	63.7				
5/16/2001	XX	304BXX37027	0.1 U	1 U		163	1 U	13.4	47.6	74	75	1 U	34.1				
7/31/2001	XX	304BXX37103	D	D			D	D	D	D	D	D	D				
10/23/2001	XX	304BXX37187	0.1 U	1 U		204	16	20.7	121.4	110	115	1.7	25.7				
5/21/2002	XX	304BXX37397	0.1	1 U		125	1	8.9	49.8	76	80	1	13.4				
7/30/2002	XX	304BXX37467	0.1 U	1 U		187	1 U	14	68.7	120	122	1.4	15.6				
10/22/2002	XX	304BXX37551	0.1 U	1 U		175	2	13.3	73.8	110	116	1.5	21.7				
6/24/2003	XX	304BXX37796	0.2 U	2 U		120	1 U	12	130	100	100	1 U	19				
8/7/2003	XX	304BXX37840	0.2 U	2 U		120	1 U	11	110	96	100	1 U	13				
10/21/2003	XX	304BXX37915	0.2 U	2 U		140	1 U	11	100	92	93	1.4	14				
5/10/2004	XX	304BXX38117	0.2 U	2 U		63	1 U	10	87	70	70	1 U	12				
7/28/2004	XX	304BXX38196	0.2 U	2 U		98	1 U	10	74	78	81	1 U	9.7				
10/21/2004	XX	304BXX38281	0.2 U	2 U		180	1 U	11	92	78	83	1 U	8.7				
5/10/2005	XX	GW304B011	0.2 U	2 U		100	1 U	6.8	59	58	59	1 U	11				
7/28/2005	XX	GW304B02D	0.2 U	2 U		180	16	7.6	110	60	63	1 U	34				
11/8/2005	XX	GW304B045	0.2 U	2 U		150	1 U	6.8	99	62	65	1 U	33				
5/3/2006	XX	GW304B091	0.2 U	2 U		120	1 U	6.8	62	56	57	1 U	11				
8/1/2006	XX	GW304B079	0.24	2 U		120	1 U	7.1	85	60	61	1 U	24				
10/26/2006	XX	GW304B05H	0.2 U	2 U		96	1 U	5.9	77	56	56	1 U	26				
5/8/2007	XX	GW304B0AD	0.5 U	0.5 U		98	1 U	6.7	74	68	69	1 U	13				
8/7/2007	XX	GW304B0C6	0.2 U	0.5 U		160	2.1	6.1	98	68	69	2.2	28				
10/31/2007	XX	GW304B0DI	0.2 U	0.5 U		160	1 U	6.1	85	68	69	1 U	29				
6/5/2008	XX	GW304B0G6	0.2 U	0.5 U		98	1 U	6.9	53	54	54	1 U	5.8				
6/5/2008	XD	LTDP4X0F5	0.2 U	0.5 U		100	1 U	6.9	56		54	1 U	5.9				
8/18/2008	XX	GW304B0I6	0.2 U	0.5 U		100	1 U	5.4	35	46	46	1.2	3.1				
10/23/2008	XX	GW304B0JE	0.2 U	0.5 U		93	3.7	6.5	50	53	53	1.4	3.3				
5/12/2009	XX	GW304B11E	0.2 U	0.5 U		67	0.6 U	3.5	20	28	28	1	4.3				
8/11/2009	XX	GW304B13E	0.2 U	0.5 U		140	0.6 U	3.5	69	33	33	1	30				
10/26/2009	XX	GW304B152	0.2 U	0.5 U		110	5.8	4.1	44	31	33	1.6	20				
6/2/2010	XX	GW304B173	0.2 U	0.5 U		72	1 U	4.4	38	42	42	1.1	5.4				
8/5/2010	XX	GW304B194	0.2 U	0.5 U		89	1.7	5.2	47	40	40	1.2	21				
10/18/2010	XX	GW304B1AC	0.2 U	0.5 U		85	1.6	3.8	38	34	34	2.2	21				
10/18/2010	XD	GWDP3X1B6	0.2 U	0.5 U		100	1.4	3.9	35		34	2.4	21				
5/19/2011	XX	GW304B1DD	0.2 U	0.5 U		25	5 U	2.9	19	26	26	1 U	3.8				
8/8/2011	XX	GW304B1F4	0.08 U	0.2 U		87	0.38 U	Y4	28	39	39	0.72 J	18				
11/2/2011	XX	GW304B1GF	0.082 U	0.2 U		75	0.32 U	3.8	44	34	34	1.3	15				
5/15/2012	XX	GW304B1I9	0.2 U	0.09 U		13	2.5 U	2.5	29	26	26	1	6.5				
8/15/2012	XX	GW304B202	0.2 U	0.25 U		160	2.5 U	3.6	68	36	36	1 U	46				
10/31/2012	XX	GW304B21G	0.2 U	0.25 U		52	2.5 U	3.1	53	34	34	0.96	22				
5/21/2013	XX	GW304B23A	0.67	0.25 U		34	2.5 U	3.8	32	37	37	0.69	9.8				
7/25/2013	XX	GW304B254	0.2 U	0.25 U		90	2.5 U	5.1	41	41	41	0.85	9.8				
10/2/2013	XX	GW304B26I	0.2 U	0.25 U		72	2.5 U	5.8	36	42	42	0.7	7.5				

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

(304B) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
6/4/2014	XX	GW304B28C	0.1 U	0.05 U		69	4 U	5.5	37.3	44	44	1 U	5
8/20/2014	XX	GW304B2A6	0.1 U	0.053		68	4 U	4.6	36.9	43	43	1 U	9.4
11/12/2014	XX	GW304B2C0	0.1 U	0.05 U		63	4 U	3.1	26.5	31	31	1.2	7.2
6/3/2015	XX	GW304B2DG	0.1 U	0.05 U		29	4 U	2.9	20.2	26	26	1 U	3.3
9/2/2015	XX	GW304B2FB	0.1 U	0.05 U		75	4 U	5	35.9	43	43	1 U	4.7
11/4/2015	XX	GW304B2H5	0.1 U	0.05 U		73	4 U	5.8	27	35	35	1 U	4.2
6/16/2016	XX	GW304B30F	0.1 U	0.05 U		64	4 U	3.6	29.2	39	39	1 U	5.1
9/21/2016	XX	GW304B329	0.1 U	0.05 U		75	16	4.5	33.2	44	44	1 U	3.6
11/8/2016	XX	GW304B343	0.1 U	0.057		96	4 U	5.3	52.2	71	71	1 U	7.5
6/14/2017	XX	GW304B35I	0.1 U	0.05 U		72	4 U	4.7	37.1	48	48	1 U	3.4
8/29/2017	XX	GW304B37C	0.1 U	0.05 U		71	14	1.8	27.8	38	38	1 U	2.9
11/14/2017	XX	GW304B396	0.1 U	0.05 U		75	4 U	2.7	37.8	48	48	1 U	3.9
6/21/2018	XX	GW304B3B1	0.1 U	0.05 U		84	4 U	3.8	36.8	43	43	1 U	3.8
8/15/2018	XX	GW304B3DA	0.1 U	0.05 U		88	4.4	2.8	40.1	40	40	1 U	9
11/30/2018	XX	GW304B3E9	0.1 U	0.05 U		22	4 U	1 U	18.2	24	24	2.1	2.3
6/5/2019	XX	GW304B3G4	0.1 U	0.05 U		110	5.2	2.3	36.7	45	45	1 U	3.8
8/14/2019	XX	GW304B3ID	0.1 U	0.05 U		77	47	4.6	42.4	55	55	1 U	6
10/24/2019	XX	GW304B3JC	0.1 U	0.05 U		65	47	4.2	37.7	49	49	1 U	5.3
401A													
5/3/2000	XX	401AXX36649	0.1 U	1 U		128	15	5.4	78.7	78	87.9	1.1	3.6
8/10/2000	XX	401AXX36748	0.1 U	1 U		136	1	6.2	56	78	80.8	1.2	4.3
11/9/2000	XX	401AXX36839	0.1 U	1 U		125	1 U	6.8	49.8	100	103.2	1 U	4.6
5/17/2001	XX	401AXX37028	0.1 U	1 U		126	1	7.5	59.2	95	96	1 U	3.7
8/1/2001	XX	401AXX37104	0.1 U	1 U		131	3	8.3	61.7	79	79	3.2	4
10/24/2001	XX	401AXX37188	0.1 U	1 U		133	3	10.1	71.6	94	99	1.1	4.1
5/22/2002	XX	401AXX37398	0.1 U	1 U		137	4	9.2	60.6	90	94	1 U	3.2
7/30/2002	XX	401AXX37467	0.1 U	1 U		145	2	9.9	59.5	98	100	1.1	3.4
10/22/2002	XX	401AXX37551	0.1 U	1 U		125	1 U	11.1	60.7	98	102	1 U	4
6/25/2003	XX	401AXX37797	0.2 U	2 U		99	1 U	10	110	100	100	1 U	2.8
8/11/2003	XX	401AXX37844	0.2 U	2 U		78	1 U	9.9	100	95	99	1 U	3.6
10/21/2003	XX	401AXX37915	0.2 U	2 U		120	1 U	11	110	95	98	1 U	4.2
5/10/2004	XX	401AXX38117	0.2 U	2 U		90	1 U	12	110	95	96	1 U	5.3
7/29/2004	XX	401AXX38197	0.2 U	2 U		100	1 U	11	95	78	80	1 U	5.3
10/21/2004	XX	401AXX38281	0.2 U	2 U		180	1 U	12	110	95	96	1 U	5.6
5/9/2005	XX	GW401A012	0.2 U	2 U		140	1 U	11	100	74	76	1 U	5.7
7/28/2005	XX	GW401A02E	0.2 U	2 U		160	1.2	12	130	95	97	1 U	5.8
11/8/2005	XX	GW401A046	0.2 U	2 U		120	1 U	13	120	90	95	1 U	6.2
5/4/2006	XX	GW401A092	0.2 U	2 U		120	1 U	12	120	97	99	1 U	6.1
8/2/2006	XX	GW401A07A	0.2 U	2 U		120	1 U	14	100	93	94	12	5.7
10/30/2006	XX	GW401A05I	0.2 U	2 U		140	1 U	15	110	93	94	1 U	5.9
5/7/2007	XX	GW401A0AE	0.5 U	0.5 U		130	1 U	13	110	100	110	1 U	5.7
8/14/2007	XX	GW401A0C7	0.2 U	0.5 U		150	1 U	14	88	93	95	2.3	6.8
11/5/2007	XX	GW401A0DJ	0.2 U	0.5 U		160	1 U	17	130	98	99	1 U	7.7
6/5/2008	XX	GW401A0G7	0.2 U	0.5 U		140	1 U	15	110	97	97	1 U	6.1
8/20/2008	XX	GW401A0I7	0.2 U	0.5 U		160	1 U	17	110	98	99	1	6.4
10/27/2008	XX	GW401A0JF	0.2 U	0.5 U		140	1 U	15	120	96	98	1 U	7.2
5/13/2009	XX	GW401A11F	0.2 U	0.5 U		160	0.6 U	18	98	95	96	1 U	7.8
8/13/2009	XX	GW401A13F	0.2 U	0.5 U		150	0.6 U	17	110	97	99	1 U	6.9
10/28/2009	XX	GW401A153	0.2 U	0.5 U		120	1 U	18	92	95	98	1 U	8.1

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

(401A) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
10/28/2009	XD	SWDP4X15H	0.2 U	0.5 U		140	1 U	18	90		100	1.3	8				
6/3/2010	XX	GW401A174	0.2 U	0.5 U		120	1 U	19	120	95	95	1.6	8				
8/17/2010	XX	GW401A195	0.2 U	0.5 U		150	1 U	19	93	95	99	1.7	8.4				
10/19/2010	XX	GW401A1AD	0.2 U	0.5 U		140	1.3 U	20	93	94	97	1 U	9.1				
5/16/2011	XX	GW401A1DE	0.2 U	0.5 U		140	5 U	18	100	86	86	1.1	9				
8/8/2011	XX	GW401A1F5	0.08 U	0.2 U		2 J	0.7 J	20	72	99	99	1.8	10				
11/1/2011	XX	GW401A1GG	0.082 U	0.2 U		140	0.32 U	20	110	100	100	1	7.9				
5/14/2012	XX	GW401A1IA	0.2 U	0.5 U		100	2.5 U	19	110	89	89	1 U	8				
8/14/2012	XX	GW401A203	0.2 U	0.25 U		160	2.8 U	20	99	95	95	1.14	8.4				
11/1/2012	XX	GW401A21H	0.2 U	0.25 U		150	2.5 U	19	110	85	85	0.86	8.6				
5/21/2013	XX	GW401A23B	0.2 U	0.25 U		130	2.5 U	21	100	96	96	0.68	9.4				
7/22/2013	XX	GW401A255	0.2 U	0.25 U		120	2.5 U	21	100	90	90	0.81	9.4				
9/30/2013	XX	GW401A26J	0.2 U	0.25 U		120	2.5 U	22	78	94	94	0.53	9.4				
6/4/2014	XX	GW401A28D	0.1 U	0.069		160	4 U	23	113	93	94	1 U	10				
8/19/2014	XX	GW401A2A7	0.1 U	0.065		180	7.2	22	113	110	110	1	14				
11/11/2014	XX	GW401A2C1	0.1 U	0.05 U		160	6	24	106	100	100	1 U	12				
6/2/2015	XX	GW401A2DH	0.1 U	0.05 U		160	8.8	23	108	94	94	1 U	11				
9/1/2015	XX	GW401A2FC	0.1 U	0.23		180	4 U	23	121	98	98	1 U	11				
11/3/2015	XX	GW401A2H6	0.1 U	0.05 U		150	4 U	24	118	100	100	1 U	11				
6/14/2016	XX	GW401A30G	0.1 U	0.05 U		160	4 U	23	123	99	99	1 U	12				
9/20/2016	XX	GW401A32A	0.1 U	0.05 U		200	4 U	24	122	100	100	1 U	11				
11/9/2016	XX	GW401A344	0.1 U	0.05 U		170	5.2	25	119	110	110	1.1	12				
6/14/2017	XX	GW401A35J	0.1 U	0.05 U		150	4 U	25	119	12	12	1 U	10				
8/29/2017	XX	GW401A37D	0.1 U	0.05 U		180	4 U	24	120	100	100	1 U	11				
11/14/2017	XX	GW401A397	0.1 U	0.05 U		160	4 U	23	115	93	93	1 U	9.9				
6/20/2018	XX	GW401A3B2	0.1 U	0.05 U		190	4 U	24	122	100	100	1 U	12				
8/15/2018	XX	GW401A3DB	0.1 U	0.05 U		170	4 U	25	119	110	110	1 U	11				
11/30/2018	XX	GW401A3EA	0.1 U	0.064		150	4 U	28	120	96	96	1 U	8.9				
6/5/2019	XX	GW401A3G5	0.1 U	0.05 U		190	4 U	24	116	100	100	1 U	10				
8/14/2019	XX	GW401A3IE	0.1 U	0.05 U		170	4 U	24	125	100	100	1 U	11				
10/22/2019	XX	GW401A3JD	0.1 U	0.05 U		180	4 U	24	127	110	110	1 U	8.9				
401B																	
5/3/2000	XX	401BXX36649	0.1 U	1.1		195	30	25	142.6	83	92.9	2	29.8				
8/10/2000	XX	401BXX36748	0.1 U	1.1		352	2	27.5	109.5	92	99	1.3	30.1				
11/9/2000	XX	401BXX36839	0.1 U	1.1		198	1	27.8	77.8	99	101	1.1	26				
5/17/2001	XX	401BXX37028	0.1 U	1.6		203	12	30	117	98	99	1.1	23.1				
8/1/2001	XX	401BXX37104	0.1 U	1 U		213	3	31.8	128.2	102	102	3.7	25.1				
10/24/2001	XX	401BXX37188	0.1 U	1 U		215	29	29.8	119.6	98	104	1.4	26.1				
5/22/2002	XX	401BXX37398	0.15	1 U		213	6	32	85.4	100	104	1.3	25.5				
7/30/2002	XX	401BXX37467	0.1 U	1 U		218	1 U	34.5	92.9	97	108	1.4	25.4				
10/22/2002	XX	401BXX37551	0.1 U	1 U		191	1 U	30.4	87.9	109	112	1 U	25.3				
6/25/2003	XX	401BXX37797	0.2 U	2 U		170	1 U	33	160	110	110	1.3	25				
8/11/2003	XX	401BXX37844	0.2 U	2 U		170	1 U	30	150	107	110	1.1	19				
10/21/2003	XX	401BXX37915	0.2 U	2 U		200	1 U	29	160	108	110	1	20				
5/10/2004	XX	401BXX38117	0.2 U	2 U		150	1 U	35	160	98	110	1	21				
7/29/2004	XX	401BXX38197	0.2 U	2 U		170	1 U	32	140	100	110	1.2	20				
10/21/2004	XX	401BXX38281	0.2 U	2 U		270	1 U	32	160	110	120	1 U	20				
5/9/2005	XX	GW401B013	0.2 U	2 U		210	1.2	32	160	98	100	1.2	20				
7/28/2005	XX	GW401B02F	0.2 U	2 U		230	3.6	30	170	115	120	1 U	17				

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

(401B) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
11/8/2005	XX	GW401B047	0.2 U	2 U		200	1 U	34	150	120	130	1.1	20				
5/4/2006	XX	GW401B093	0.2 U	2 U		210	1 U	30	170	115	120	1.8	18				
8/2/2006	XX	GW401B07B	0.2 U	2 U		190	1 U	32	160	115	120	1 U	17				
10/30/2006	XX	GW401B05J	0.32	2 U		210	1 U	32	140	120	130	1 U	16				
5/7/2007	XX	GW401B0AF	0.5 U	0.5 U		210	1 U	32	170	140	150	1 U	14				
8/14/2007	XX	GW401B0C8	0.2 U	0.5 U		220	1 U	31	150	110	130	3.6	15				
11/5/2007	XX	GW401B0E0	0.2 U	0.5 U		230	1 U	33	210	130	140	1	17				
6/5/2008	XX	GW401B0G8	0.2 U	0.5 U		220	1 U	29	160	130	140	1.4	11				
8/20/2008	XX	GW401B0I8	0.2 U	0.5 U		230	1 U	31	160	120	140	1.4	12				
10/27/2008	XX	GW401B0JG	0.2 U	0.5 U		180	1 U	28	190	120	140	1.7	13				
5/13/2009	XX	GW401B11G	0.2 U	0.5 U		230	0.6 U	32	150	135	140	1.6	12				
8/13/2009	XX	GW401B13G	0.2 U	0.5 U		220	0.6 U	33	180	120	140	1.3	11				
10/28/2009	XX	GW401B154	0.2 U	0.5 U		190	1 U	30	150	145	150	2.1	11				
6/3/2010	XX	GW401B175	0.2 U	0.5 U		220	1 U	31	170	140	140	2.2	10				
8/17/2010	XX	GW401B196	0.2 U	0.5 U		220	1 U	28	160	150	150	2.4	10				
10/19/2010	XX	GW401B1AE	0.2 U	0.5 U		220	1.3 U	31	140	145	150	1.6	10				
5/16/2011	XX	GW401B1DF	0.2 U	0.5 U		230	5 U	29	160	150	150	3.1	9.8				
8/8/2011	XX	GW401B1F6	0.08 U	0.2 U		220	0.38 U	31	150	160	160	1.4	9.6				
11/1/2011	XX	GW401B1GH	0.082 U	0.2 U		220	0.32 U	27	160	170	170	1.6	6.9				
5/14/2012	XX	GW401B1IB	0.2 U	0.5 U		200	2.5 U	26	160	150	150	1 U	6.9				
8/14/2012	XX	GW401B204	0.2 U	0.25 U		150	2.8 U	26	140	160	160	1.43	6.3				
11/1/2012	XX	GW401B21I	0.2 U	0.25 U		230	2.5 U	26	170	160	160	1	6.5				
5/21/2013	XX	GW401B23C	0.2 U	0.25 U		200	2.5 U	26	160	160	160	1	6.7				
7/22/2013	XX	GW401B256	0.2 U	0.25 U		230	2.5 U	25	160	150	150	1.1	6.3				
9/30/2013	XX	GW401B270	0.2 U	0.25 U		220	2.5 U	26	170	170	170	0.99	6.4				
6/4/2014	XX	GW401B28E	0.1 U	0.05 U		240	4 U	24	176	160	160	1 U	7				
8/19/2014	XX	GW401B2A8	0.1 U	0.05 U		240	5.6	24	175	180	180	1 U	9				
11/11/2014	XX	GW401B2C2	0.1 U	0.05 U		220	4 U	24	157	180	180	1 U	8.1				
6/2/2015	XX	GW401B2DI	0.1 U	0.05 U		230	4 U	20	165	160	160	1 U	6.8				
9/1/2015	XX	GW401B2FD	0.1 U	0.05 U		220	4 U	20	189	180	180	1 U	6.6				
11/3/2015	XX	GW401B2H7	0.1 U	0.05 U		230	4 U	21	186	180	180	1 U	7.2				
6/14/2016	XX	GW401B30H	0.1 U	0.05 U		230	4 U	21	191	180	180	1 U	6.7				
9/20/2016	XX	GW401B32B	0.1 U	0.05 U		270	4 U	20	191	190	190	1 U	5.8				
11/9/2016	XX	GW401B345	0.1 U	0.05 U		230	4 U	20	185	200	200	1.1	7.8				
6/14/2017	XX	GW401B360	0.1 U	0.05 U		200	4 U	20	197	190	190	1.2	6				
8/29/2017	XX	GW401B37E	0.1 U	0.05 U		240	4 U	17	183	200	200	1 U	4.6				
11/14/2017	XX	GW401B398	0.1 U	0.05 U		230	4 U	17	180	200	200	1 U	4.8				
6/20/2018	XX	GW401B3B3	0.1 U	0.05 U		270	4 U	17	210	200	200	1 U	5.2				
8/15/2018	XX	GW401B3DC	0.1 U	0.05 U		240	4 U	17	200	240	300	1 U	4.6				
11/30/2018	XX	GW401B3EB	0.1 U	0.05 U		220	4 U	15	198	200	200	1 U	4.1				
6/5/2019	XX	GW401B3G6	0.1 U	0.05 U		250	4 U	14	194	210	210	1 U	3.6				
8/14/2019	XX	GW401B3IF	0.1 U	0.05 U		260	4 U	15	194	210	210	1 U	5.7				
10/22/2019	XX	GW401B3JE	0.1 U	0.05 U		260	4 U	14	205	200	200	1 U	4.3				
402A																	
5/3/2000	XX	402AXX36649	0.178	1 U		128	2	9.3	86.9	78	88.9	1 U	4.4				
8/10/2000	XX	402AXX36748	0.119	1 U		81	1 U	10.8	67.2	85	92.9	1 U	4.5				
11/9/2000	XX	402AXX36839	0.1 U	1 U		131	1 U	8.4	57.4	90	94.9	1 U	5.3				
5/17/2001	XX	402AXX37028	0.1 U	1 U		125	2	9.2	58.7	91	92	1 U	7.2				
8/1/2001	XX	402AXX37104	0.1 U	1 U		180	1	9.7	63.4	90	90	3.2	7.2				

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

(402A)

Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
10/24/2001	XX	402AXX37188	0.1 U	1 U		137	4	8.6	62.3	82	90	1.6	8.3				
5/22/2002	XX	402AXX37398	0.18	1 U		141	1 U	9	63.9	83	86	1 U	6.7				
7/30/2002	XX	402AXX37467	0.1 U	1 U		142	1 U	9.4	68.9	85	90	1 U	8.1				
10/22/2002	XX	402AXX37551	0.1 U	1 U		121	1 U	9.3	61.8	76	82	1 U	8.3				
6/25/2003	XX	402AXX37797	0.2 U	2 U		100	1 U	10	110	89	91	1 U	10				
8/11/2003	XX	402AXX37844	0.2 U	2 U		86	1 U	8.6	100	86	90	1 U	8.6				
10/22/2003	XX	402AXX37916	0.2 U	2 U		120	1 U	9.5	99	88	90	1 U	9.8				
5/11/2004	XX	402AXX38118	0.2 U	2 U		87	1 U	10	120	90	91	1 U	12				
7/29/2004	XX	402AXX38197	0.2 U	2 U		100	1 U	9.4	100	79	82	1 U	12				
10/26/2004	XX	402AXX38286	0.2 U	2 U		120	1 U	10	110	85	90	1 U	14				
5/9/2005	XX	GW402A014	0.2 U	2 U		150	1 U	8.5	110	79	81	1 U	14				
8/1/2005	XX	GW402A02G	0.2 U	2 U		190	1 U	8.8	120	88	91	1 U	12				
11/9/2005	XX	GW402A048	0.47	2 U		110	1 U	8.3	120	94	96	1.2	15				
5/4/2006	XX	GW402A094	0.2 U	2 U		130	1 U	8	120	90	93	1 U	16				
8/2/2006	XX	GW402A07C	0.2 U	2 U		120	1 U	8.4	110	89	90	1.2	15				
10/30/2006	XX	GW402A060	0.2	2 U		120	1 U	8.7	120	88	89	1 U	16				
5/7/2007	XX	GW402A0AG	0.5 U	0.5 U		140	1 U	7.8	120	95	100	1 U	16				
8/14/2007	XX	GW402A0C9	0.2 U	0.5 U		160	1 U	8.5	99	89	90	2.8	19				
11/5/2007	XX	GW402A0E1	0.2 U	0.5 U		160	1 U	8.6	150	93	94	1 U	21				
6/5/2008	XX	GW402A0G9	0.2 U	0.5 U		150	1 U	7.7	120	94	94	1 U	16				
8/20/2008	XX	GW402A0I9	0.2 U	0.5 U		170	1 U	8.2	120	93	95	1.3	18				
10/27/2008	XX	GW402A0JH	0.2 U	0.5 U		130	1 U	7.1	130	94	95	1.3	22				
5/13/2009	XX	GW402A11H	0.2 U	0.5 U		160	0.6 U	8.3	110	94	95	1.2	22				
5/13/2009	XD	LTDP4X10D	0.2 U	0.5 U		130	0.6 U	8.3	110		94	1 U	22				
8/13/2009	XX	GW402A13H	0.2 U	0.5 U		170	0.6 U	8.8	130	94	95	1 U	21				
10/28/2009	XX	GW402A155	0.2 U	0.5 U		130	1 U	7.1	100	93	96	1.6	24				
6/3/2010	XX	GW402A176	0.2 U	0.5 U		160	1.1 U	7.2	120	85	94	1.5	21				
8/17/2010	XX	GW402A197	0.2 U	0.5 U		180	1 U	6.4	110	96	97	1.8	27				
10/19/2010	XX	GW402A1AF	0.2 U	0.5 U		170	1.4 U	8.3	110	94	96	1.7	29				
5/16/2011	XX	GW402A1DG	0.2 U	0.5 U		170	5 U	8.3	120	98	98	1.6	32				
8/8/2011	XX	GW402A1F7	0.08 U	0.2 U		190	0.38 U	12	110	93	93	1.4	34				
11/1/2011	XX	GW402A1GI	0.082 U	0.2 U		170	0.32 U	8	120	100	100	1.8	27				
5/16/2012	XX	GW402A1IC	0.2 U	0.5 U		180	2.5 U	7.1	120	91	91	1.65	33				
8/15/2012	XX	GW402A205	0.2 U	0.25 U		180	2.5 U	7.1	120	96	96	1.87	32				
10/31/2012	XX	GW402A21J	0.2 U	0.25 U		170	3.3	6.6	140	85	85	1.4	29				
5/20/2013	XX	GW402A23D	0.2 U	0.25 U		180	2.5 U	7.8	110	94	94	1.2	26				
7/22/2013	XX	GW402A257	0.2 U	0.25 U		190	2.5 U	7.1	130	94	94	1.5	31				
9/30/2013	XX	GW402A271	0.2 U	0.25 U		190	2.5 U	7.2	130	100	100	1.5	31				
6/4/2014	XX	GW402A28F	0.1 U	0.05 U		210	4 U	7.7	157	100	100	1.1	34				
8/19/2014	XX	GW402A2A9	0.1 U	0.05 U		220	4 U	7.6	149	110	110	1.3	34				
11/11/2014	XX	GW402A2C3	0.1 U	0.05 U		170	4 U	8	130	110	110	1.1	32				
6/4/2015	XX	GW402A2DJ	0.1 U	0.05 U		190	4 U	6.9	144	100	100	1.3	35				
9/1/2015	XX	GW402A2FE	0.1 U	0.05 U		200	4 U	6.8	154	110	110	1.5	34				
11/3/2015	XX	GW402A2H8	0.1 U	0.05 U		170	4 U	7.8	150	110	110	1.3	33				
6/14/2016	XX	GW402A30I	0.1 U	0.05 U		220	4 U	7.8	162	110	110	1.3	38				
9/20/2016	XX	GW402A32C	0.1 U	0.05 U		220	4 U	8	171	120	120	1.5	39				
11/9/2016	XX	GW402A346	0.1 U	0.05 U		190	4 U	7.9	180	130	130	1.8	40				
6/14/2017	XX	GW402A361	0.1 U	0.05 U		180	4 U	13	166	110	110	1.7	36				
8/29/2017	XX	GW402A37F	0.1 U	0.05 U		200	4 U	6.8	172	120	120	1.3	38				
11/15/2017	XX	GW402A399	0.1 U	0.05 U		180	4 U	6.4	168	120	120	1.3	33				

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

(402A)			Ammonia (N)	Nitrate (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Ca-mg Hardness (CaCO3)	Bicarbonate (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Chloride				
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				
6/20/2018	XX	GW402A3B4	0.1 U	0.05 U		220	4 U	7.4	182	120	120	1.3	39				
8/15/2018	XX	GW402A3DD	0.1 U	0.05 U		650	4 U	4.5	172	650	650	1.4	15				
11/28/2018	XX	GW402A3EC	0.1 U	0.05 U		170	4 U	6.7	170	120	120	1.4	32				
6/5/2019	XX	GW402A3G7	0.1 U	0.05 U		250	4 U	6.5	184	130	130	1.5	36				
8/13/2019	XX	GW402A3IG	0.1 U	0.05 U		240	4 U	6.6	180	140	140	1.6	40				
10/22/2019	XX	GW402A3JF	0.1 U	0.44		240	4 U	7.4	177	130	130	1.9	34				
402B																	
5/3/2000	XX	402BXX36649	0.1 U	2.9		796	91	8.5	689.4	610	680.7	16.5	58				
8/10/2000	XX	402BXX36748	0.1 U	3.8		1299	4	7.8	1084.4	1000	1131.2	23.1	122				
11/9/2000	XX	402BXX36839	0.221	3		1205	5	7.6	926.4	1000	1071.6	21.4	98.7				
5/17/2001	XX	402BXX37028	0.1 U	2.5		1308	1	7.9	1038.7	1050	1148	21.9	79.4				
8/1/2001	XX	402BXX37104	0.1 U	1.1		1305	3	7.2	1137.5	1100	1130	22.2	75.8				
10/24/2001	XX	402BXX37188	0.115	1 U		1258	5	30.9	1082.1	1029	1045	18.7	82.8				
5/22/2002	XX	402BXX37398	0.1 U	1.45		1089	3	10.1	958.6	880	974	15.3	65.3				
8/7/2002	XX	402BXX37475	0.1 U	1.1		1079	2	10.9	866.8	864	934	16.5	63.8				
10/24/2002	XX	402BXX37553	0.1 U	1 U		1068	3	17.2	937.6	1000	1040	211.2	70.8				
6/25/2003	XX	402BXX37797	0.2 U	2 U		830	1 U	13	920	720	780	16	50				
8/11/2003	XX	402BXX37844	0.37	2 U		880	1 U	7.6	840	890	940	13	51				
10/22/2003	XX	402BXX37916	0.25	2 U		890	1 U	7.1	900	760	810	14	40				
5/11/2004	XX	402BXX38118	0.2 U	2 U		730	1 U	10	680	680	710	14	39				
8/2/2004	XX	402BXX38201	0.28	2 U		770	1 U	9.4	710	690	740	13	42				
10/26/2004	XX	402BXX38286	0.2 U	2 U		810	1 U	7.8	820	700	730	10	39				
5/9/2005	XX	GW402B015	0.2 U	2 U		700	1 U	8.4	640	460	480	8.6	34				
8/1/2005	XX	GW402B02H	0.2 U	2 U		940	1 U	8.2	870	760	810	9.3	44				
11/9/2005	XX	GW402B049	0.2 U	2 U		670	1 U	7.4	950	700	750	8.7	41				
5/5/2006	XX	GW402B095	0.2 U	2 U		640	2.5	7.1	760	600	640	8.7	30				
8/2/2006	XX	GW402B07D	0.2 U	2 U		800	1 U	7.3	820	740	790	9.8	39				
10/30/2006	XX	GW402B061	0.34	2 U		630	1 U	6	610	600	630	7.6	27				
5/7/2007	XX	GW402B0AH	0.5 U	0.5 U		680	1 U	6.5	650	690	730	6	24				
8/14/2007	XX	GW402B0CA	0.2 U	0.5 U		780	1 U	7.7	720	720	750	37	33				
11/5/2007	XX	GW402B0E2	4.6	0.5 U		660	1 U	7.8	710	610	670	11	26				
6/11/2008	XX	GW402B0GA	0.2 U	0.5 U		770	1 U	7.3	740	710	770	13	25				
8/20/2008	XX	GW402B0IA	0.2 U	0.5 U		800	1 U	8.6	710	710	770	10	25				
8/20/2008	XD	GWDP4X0H5	0.2 U	0.5 U		790	1 U	8.7	700		770	11	25				
10/27/2008	XX	GW402B0JI	0.2 U	0.5 U		720	1 U	7	800	680	740	13	26				
5/13/2009	XX	GW402B11I	0.2 U	0.5 U		750	0.6 U	8	730	690	720	13	26				
8/13/2009	XX	GW402B13I	0.2 U	0.5 U		400	0.6 U	8.3	910	680	720	9.5	25				
8/13/2009	XD	GWDP4X12D	0.2 U	0.5 U		760	0.6 U	8.3	860		720	9.6	26				
10/28/2009	XX	GW402B156	0.2 U	0.5 U		490	1 U	7	540	670	700	15	26				
6/3/2010	XX	GW402B177	0.2 U	0.5 U		690	1.1 U	7.3	790	620	680	13	27				
8/17/2010	XX	GW402B198	0.2 U	0.5 U		720	1 U	7	630	670	700	13	28				
8/17/2010	XD	GWDP4X183	0.2 U	0.5 U		720	2.2 U	7.3	590		700	12	28				
10/19/2010	XX	GW402B1AG	0.2 U	0.5 U		700	2.5 U	8.1	570	650	690	10	30				
5/16/2011	XX	GW402B1DH	0.2 U	0.5 U		580	5 U	6.6	550	540	540	12	23				
8/8/2011	XX	GW402B1F8	0.08 U	0.2 U		170	0.38 U	14	590	140	140	11	4.6				
11/1/2011	XX	GW402B1GJ	0.082 U	0.2 U		670	0.32 U	7.4	630	710	710	11	26				
5/16/2012	XX	GW402B1ID	0.2 U	0.5 U		600	2.5 U	6.8	540	580	580	5.64	22				
8/15/2012	XX	GW402B206	0.2 U	0.25 U		690	2.5 U	6.9	460	640	640	7.05	26				
10/31/2012	XX	GW402B220	0.2 U	0.25 U		590	2.5 U	6.4	610	590	590	6	22				

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

(402B) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
5/20/2013	XX	GW402B23E	0.2 U	0.25 U		650	2.5 U	7.2	510	630	630	5.9	23
7/22/2013	XX	GW402B258	0.2 U	0.25 U		700	2.5 U	7.1	560	620	620	5.9	23
9/30/2013	XX	GW402B272	0.2 U	0.25 U		640	2.5 U	6.8	590	670	670	6.1	23
6/4/2014	XX	GW402B28G	0.1 U	0.05 U		700	4.4	7	626	630	630	4.4	21
8/19/2014	XX	GW402B2AA	0.1 U	0.05 U		710	4 U	6.9	614	670	670	5	20
11/11/2014	XX	GW402B2C4	0.1 U	0.05 U		640	4 U	6.8	576	630	630	4.8	20
6/4/2015	XX	GW402B2E0	0.1 U	0.05 U		660	4 U	6.2	578	590	590	4.7	17
9/1/2015	XX	GW402B2FF	0.15	0.39		710	4 U	5.9	688	640	640	5.4	18
11/3/2015	XX	GW402B2H9	0.13	0.05 U		620	4 U	1.5	581	600	600	5.1	17
6/14/2016	XX	GW402B30J	0.1 U	0.05 U		690	4 U	6.1	625	600	600	4.3	20
9/20/2016	XX	GW402B32D	0.11	0.05 U		670	4 U	5.7	630	620	620	4.9	17
11/9/2016	XX	GW402B347	0.11	0.05 U		660	4 U	5.7	638	660	660	5.5	18
6/14/2017	XX	GW402B362	0.1 U	0.05 U		640	4 U	8.5	646	620	620	4.9	14
8/29/2017	XX	GW402B37G	0.1 U	0.05 U		640	4 U	3.8	582	620	620	4.5	14
11/15/2017	XX	GW402B39A	0.1	0.05 U		630	4 U	3.9	596	650	650	4.6	13
6/20/2018	XX	GW402B3B5	0.1 U	0.05 U		650	4 U	4.9	620	640	640	4.3	18
8/15/2018	XX	GW402B3DE	0.1 U	0.54		650	4 U	4.5	586	140	140	4.5	14
11/28/2018	XX	GW402B3ED	0.1	0.05 U		640	10	7.3	590	620	620	4.5	13
6/5/2019	XX	GW402B3G8	0.1 U	0.05 U		650	4 U	4.9	588	600	600	4.3	11
8/13/2019	XX	GW402B3IH	0.1 U	0.05 U		600	4 U	5.6	572	610	620	4.9	14
10/22/2019	XX	GW402B3JG	0.1 U	0.05 U		660	4 U	6.4	588	590	590	5	12
LDS													
6/10/2008	XX	LDSXX39597	0.21	0.5 U	0.045	550	8.6	22	480	430	460	19	28
8/19/2008	XX	LDSXX39687	0.2 U	0.5 U	0.053	600	8.8	22	510	470	500	20	25
10/22/2008	XX	LDSXX39736	0.2 U	0.5 U	0.06	640	9.9	13	640	520	550	11	25
5/7/2009	XX	LDSXX39940	2.7	0.5 U		880	37	1 U	870	790	820	30	49
8/12/2009	XX	LDSXX40037	2.8	0.5 U	0.05 U	800	72	1 U	680	725	770	19	40
10/27/2009	XX	LDSXX40113	2.2	0.5 U	0.02 U	820	24	9.5	650	740	770	49	41
6/7/2010	XX	GWXXXX1B8	5.9	0.5 U	0.02 U	970	42	1 U	790	840	880	25	47
8/18/2010	XX	GWXXXX1B9	7.1	0.5 U	0.02 U	1000	34	1 U	660	880	950	42	54
10/21/2010	XX	GWXXXX1BA	4.5	0.5 U	0.24	860	32	1 U	590	785	810	29	49
5/18/2011	XX	LTXXXX1EF	1.4	0.5 U	0.045	560	20	18	440	510	510	18	38
8/10/2011	XX	LTXXXX1G6	1.5	0.2 U	0.079	580	17	19	360	520	520	11	40
11/2/2011	XX	LTXXXX1HH	1.6	0.2 U	0.044	620	13	19	430	500	500	12	35
5/14/2012	XX	LTXXXX1JB	5.1	0.5 U	0.02 U	850	18	30	730	676	676	21	41
8/14/2012	XX	LTXXXX214	7.1	0.25 U	0.086	370	46	3.7	180	320	320	41.3	4
10/30/2012	XX	LTXXXX22I	5.4	0.25 U	0.043	790	14	27	650	710	710	20	42
5/21/2013	XX	LTXXXX24C	5	0.25 U	0.041	830	15	24	600	740	740	18	40
7/25/2013	XX	LTXXXX266	4.9	0.25 U	0.042	840	14	21	580	690	690	19	38
10/1/2013	XX	LTXXXX280	4.9	0.25 U	0.02 U	800	15	13	620	710	710	17	38
6/5/2014	XX	LTXXXX29E	7.9	0.05 U	0.1 U	1000	14	1 U	738	830	830	23	49
8/21/2014	XX	LTXXXX2B8	1.4	0.05 U	0.1 U	550	4.4	16	406	440	440	7.2	37
11/13/2014	XX	LTXXXX2D2	0.66	0.19	0.1 U	560	4 U	29	428	480	480	8.4	38
6/4/2015	XX	LTXXXX2EI	1.2	0.05 U	0.1 U	590	10	20	419	440	440	6.5	37
9/3/2015	XX	LTXXXX2GD	1	0.05 U	0.1 U	570	9.6	16	436	460	460	6.8	32
11/5/2015	XX	LTXXXX2I7	1.1	0.05 U	0.1 U	580	8.8	16	452	470	470	6.2	37
6/16/2016	XX	LTXXXX31H	1.6	0.05 U	0.1 U	630	6.4	26	496	500	500	7.6	34
9/22/2016	XX	LTXXXX33B	1.5	0.05 U	0.1 U	620	9.6	1 U	473	480	480	7.6	34
11/10/2016	XX	LTXXXX355	1.3	0.05 U	0.1 U	590	10	1 U	444	540	540	8	36

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

(LDS) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
6/15/2017	XX	LTXXXX370	3.9	0.05 U	0.1 U	780	6.8	36	658	640	640	16	38				
8/31/2017	XX	LTXXXX38E	2.4	0.05 U	0.1 U	720	7.6	22	547	590	590	11	38				
11/16/2017	XX	LTXXXX3A8	2.6	0.05 U	0.1 U	680	8	51	503	560	560	12	35				
6/21/2018	XX	LTXXXX3C3	3.2	0.05 U	0.1 U	760	5.6	30	578	620	620	13	35				
8/16/2018	XX	LTXXXX3CI	2.8	0.05 U	0.1 U	750	8.8	24	555	630	630	12	38				
11/29/2018	XX	LTXXXX3FB	6.2	0.05 U	0.1 U	820	4 U	29	712	720	720	24	42				
6/6/2019	XX	LTXXXX3H6	6.6	0.05 U	0.1 U	900	4.8	26	755	810	810	21	39				
8/15/2019	XX	LTXXXX3I1	6	0.05 U	0.1 U	880	8	23	651	760	760	19	40				
10/24/2019	XX	LTXXXX40E	2.3	0.05 U	0.1 U	620	23	16	533	550	550	12	31				
LPD2																	
5/19/2005	XX	LTLPD2003	0.79	2 U	0.1 U	160	4	4.5	120	115	120	6.9	2 U				
8/2/2005	XX	LTLPD201F	3.3	2 U		410	16	6.9	410	345	370	17	4.5				
10/26/2005	XX	LTLPD2037	2.9	2 U	0.12	160	12	18	130	110	120	11	2 U				
5/10/2006	XX	LTLPD2083	0.2 U	2 U	0.02 U	95	3	3.5	120	97	99	8.1	2				
7/24/2006	XX	LTLPD206B	0.21	2 U	0.024	100	7	1.9	110	100	100	9.2	2 U				
10/10/2006	XX	LTLPD204J	4.9	2 U	0.02 U	320	22	12	340	290	310	24	5.2				
5/21/2007	XX	LTLPD209F	0.65	2 U	0.02 U	94	1 U	1.8	100	100	110	4.2	1				
8/6/2007	XX	LTLPD20B8	1.5	0.5 U	0.17	370	30	6.9	360	300	330	40	6.1				
10/24/2007	XX	LTLPD20D0	0.43	0.5 U	0.074	170	5.7	24	100	62	63	9.7	2 U				
5/28/2008	XX	LTLPD20F8	1.7	0.5 U	0.02 U	140	1 U	3.4	140	145	150	8	2 U				
8/11/2008	XX	LTLPD20H8	0.2 U	0.5 U	0.03	130	1.3	1.5	120	110	130	8.2	2 U				
10/15/2008	XX	LTLPD20IG	2.4	0.67	0.04	140	3.7	17	130	100	110	10	2 U				
5/6/2009	XX	LTLPD210G	0.2 U	0.5 U		120	0.6 U	1.3	90	98	100	5.8	1.1				
5/6/2009	XD	GWDP2X10B	0.2 U	0.5 U		150	0.6 U	1.2	90		100	4.8	2 U				
8/4/2009	XX	LTLPD212G	0.2 U	0.5 U	0.03	120	2 U	1 U	86	89	91	6.4	2 U				
10/19/2009	XX	LTLPD2144	0.71	0.5 U	0.04	140	5.2	15	86	71	72	9.9	2 U				
10/19/2009	XD	GWDP2X15F	0.71	2.2	0.05	120	1.3	15	90		100	10	2 U				
5/25/2010	XX	LTLPD2165	2.8	0.5 U	0.02 U	190	2.7	3.6	180	165	170	11	2 U				
8/2/2010	XX	LTLPD2186	1.9	0.5 UH	0.029	280	25	1 U	110	240	260	28	3.3				
10/12/2010	XX	LTLPD219E	0.62	1.5	0.062	150	4.8	30	97	73	74	9.6	2 U				
10/12/2010	XD	GWDP2X1B5	0.55	1.6	0.035	160	4.7	31	51		74	9.8	2 U				
5/18/2011	XX	LTXXXX1EE	0.2 U	0.5 U	0.02 U	26	5 U	2.9	44	44	44	4	2 U				
8/10/2011	XX	LTXXXX1G5	4.3	0.2 U	0.12	330	13	5	240	300	300	39	6.2				
11/2/2011	XX	LTXXXX1HG	6.3	0.2 U	0.039	200	17	15	170	210	210	13	1.2 U				
5/14/2012	XX	LTXXXX1JA	0.2 U	0.5 U	0.02 U	70	2.5 U	2.6	66	63	63	7	2 U				
8/14/2012	XX	LTXXXX213	4.6	0.25 U	0.03	810	14	21	550	710	710	23.1	41				
10/30/2012	XX	LTXXXX22H	3.4	0.58	0.041	200	13	35	140	120	120	9.5	1				
5/21/2013	XX	LTXXXX24B	0.2 U	0.25 U	0.025	28	3.1	2.4	48	53	53	6.2	0.58				
7/25/2013	XX	LTXXXX265	0.86	0.25 U	2.4	130	11	13	70	91	91	8.2	0.7				
10/1/2013	XX	LTXXXX27J	2.1	0.4	0.031	140	6.9	14	88	120	120	9.4	0.58				
6/5/2014	XX	LTXXXX29D	0.16	0.05 U	0.1 U	98	8	1 U	67.2	82	82	5.6	2 U				
8/21/2014	XX	LTXXXX2B7	3.4	0.05 U	0.14	310	25	1 U	218	250	250	23	7.2				
11/13/2014	XX	LTXXXX2D1	2.7	0.81	0.1 U	190	29	33	125	110	110	7.4	2.6				
6/4/2015	XX	LTXXXX2EH	0.1 U	0.05 U	0.1 U	68	4 U	3.4	56.3	56	56	4.4	2.7				
9/3/2015	XX	LTXXXX2GC	1.6	1.6	0.1 U	180	4 U	24	110	91	91	15	2.7				
11/5/2015	XX	LTXXXX2I6	4.3	0.49	0.1 U	200	34	16	151	150	150	8.8	3.1				
6/16/2016	XX	LTXXXX31G	4.6	0.31	0.1 U	290	4 U	1 U	268	260	260	11	7.1				
9/22/2016	XX	LTXXXX33A	D	D	D	D	D	D	D	D	D	D	D				
11/10/2016	XX	LTXXXX354	D	D	D	D	D	D	D	D	D	D	D				

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

(LPD2)

Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
6/15/2017	XX	LTXXXX36J	0.54	2.4	0.1 U	94	4 U	4.9	82.7	79	79	7.4	2.2
8/31/2017	XX	LTXXXX38D	6.2	0.19	0.1 U	310	8.4	15	235	250	250	27	6.8
11/16/2017	XX	LTXXXX3A7	2.1	1	0.1 U	190	10	43	135	78	78	7.1	2.9
6/21/2018	XX	LTXXXX3C2	2.6	0.076	0.1 U	200	6	1.9	168	160	160	12	2.1
8/16/2018	XX	LTXXXX3CH	0.8	5.3	0.1 U	230	4 U	22	108	92	92	11	2.1
11/29/2018	XX	LTXXXX3FA	2.7	0.39	0.1 U	180	19	38	136	94	94	8.2	3.9
6/6/2019	XX	LTXXXX3H5	0.1 U	0.05 U	0.1 U	76	4 U	2.9	50.5	45	45	5.2	2 U
8/15/2019	XX	LTXXXX3I0	4.5	0.05 U	0.1 U	250	7.2	11	213	220	220	15	4.4
10/24/2019	XX	LTXXXX40D	1	2.7	0.1 U	130	8	23	89.7	58	58	12	3.6
ND													
5/3/2000	XX	NDXX36649	D		D			D	D			D	D
8/9/2000	XX	NDXX36747	D		D			D	D			D	D
11/8/2000	XX	NDXX36838	D		D			D	D			D	D
5/16/2001	XX	NDXX37027	D	D			D	D	D	D	D	D	D
7/31/2001	XX	NDXX37103	D	D			D	D	D	D	D	D	D
10/23/2001	XX	NDXX37187	D	D	D		D	D	D	D	D	D	D
5/21/2002	XX	NDXX37397	D	D	D	D	D	D	D	D	D	D	D
7/30/2002	XX	NDXX37467	D	D	D	D	D	D	D	D	D	D	D
10/22/2002	XX	NDXX37551	D	D	D	D	D	D	D	D	D	D	D
6/23/2003	XX	NDXX37795	D	D	D	D	D	D	D	D	D	D	D
8/13/2003	XX	NDXX37846	D	D	D	D	D	D	D	D	D	D	D
10/20/2003	XX	NDXX37914	D	D	D	D	D	D	D	D	D	D	D
5/6/2004	XX	NDXX38113	D	D	D	D	D	D	D	D	D	D	D
7/27/2004	XX	NDXX38195	D	D	D	D	D	D	D	D	D	D	D
10/25/2004	XX	NDXX38285	D	D	D	D	D	D	D	D	D	D	D
5/12/2005	XX	SWNDXX016	D	D		D	D	D	D	D	D	D	D
7/25/2005	XX	SWNDXX02I	D	D		D	D	D	D	D	D	D	D
11/10/2005	XX	SWNDXX04A	0.2 U	2 U	0.1 U	96	20	10	77	61	63	8.6	2 U
5/2/2006	XX	SWNDXX096	0.21	2 U	0.16	73	160	9.2	79	53	56	16	2 U
8/3/2006	XX	SWNDXX07E	D	D	D	D	D	D	D	D	D	D	D
10/18/2006	XX	SWNDXX062	D	D	D	D	D	D	D	D	D	D	D
5/21/2007	XX	SWNDXX0AI	D	D		D	D	D	D	D	D	D	D
8/8/2007	XX	SWNDXX0CB	D	D		D	D	D	D	D	D	D	D
11/6/2007	XX	SWNDXX0E3	D	D		D	D	D	D	D	D	D	D
6/11/2008	XX	SWNDXX0GB	0.2 U	0.5 U	0.12	200	5.5	21	150	105	110	21	2 U
8/19/2008	XX	SWNDXX0IB	D	D	D	D	D	D	D	D	D	D	D
10/22/2008	XX	SWNDXX0JJ	D	D	D	D	D	D	D	D	D	D	D
5/18/2009	XX	SWNDXX11J	D	D		D	D	D	D	D	D	D	D
8/17/2009	XX	SWNDXX13J	D	D	D	D	D	D	D	D	D	D	D
10/29/2009	XX	SWNDXX157	D	D	D	D	D	D	D	D	D	D	D
6/7/2010	XX	SWNDXX178	0.2 U	0.5 U	0.031	160	1.5	5.1	160	120	120	16	2 U
8/18/2010	XX	SWNDXX199	D	D		D	D	D	D	D	D	D	D
10/21/2010	XX	SWNDXX1AH	D	D		D	D	D	D	D	D	D	D
5/18/2011	XX	SWXXXX1E9	0.2 U	0.5 U	0.02 U	86	5 U	4.2	86	89	89	5	2 U
8/10/2011	XX	SWXXXX1G0	D	D	D	D	D	D	D	D	D	D	D
11/2/2011	XX	SWXXXX1HB	D	D	D	D	D	D	D	D	D	D	D
5/14/2012	XX	SWXXXX1J5	D	D	D	D	D	D	D	D	D	D	D
8/14/2012	XX	SWXXXX20I	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/29/2012	XX	SWXXXX22C	D	D	D	D	D	D	D	D	D	D	D

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

(ND)			Ammonia (N)	Nitrate (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Ca-mg Hardness (CaCO3)	Bicarbonate (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Chloride				
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				
5/21/2013	XX	SWXXXX246	D	D	D	D	D	D	D	D	D	D	D				
7/24/2013	XX	SWXXXX260	D	D	D	D	D	D	D	D	D	D	D				
10/1/2013	XX	SWXXXX27E	D	D	D	D	D	D	D	D	D	D	D				
6/5/2014	XX	SWXXXX298	D	D	D	D	D	D	D	D	D	D	D				
8/21/2014	XX	SWXXXX2B2	D	D	D	D	D	D	D	D	D	D	D				
11/13/2014	XX	SWXXXX2CG	D	D	D	D	D	D	D	D	D	D	D				
6/4/2015	XX	SWXXXX2EC	D	D	D	D	D	D	D	D	D	D	D				
9/3/2015	XX	SWXXXX2G7	D	D	D	D	D	D	D	D	D	D	D				
11/5/2015	XX	SWXXXX2I1	I	I	I	I	I	I	I	I	I	I	I				
6/16/2016	XX	SWXXXX31B	D	D	D	D	D	D	D	D	D	D	D				
9/22/2016	XX	SWXXXX335	D	D	D	D	D	D	D	D	D	D	D				
11/10/2016	XX	SWXXXX34J	D	D	D	D	D	D	D	D	D	D	D				
6/15/2017	XX	SWXXXX36E	D	D	D	D	D	D	D	D	D	D	D				
8/31/2017	XX	SWXXXX388	D	D	D	D	D	D	D	D	D	D	D				
11/16/2017	XX	SWXXXX3A2	D	D	D	D	D	D	D	D	D	D	D				
6/21/2018	XX	SWXXXX3BH	D	D	D	D	D	D	D	D	D	D	D				
8/16/2018	XX	SWXXXX3CC	D	D	D	D	D	D	D	D	D	D	D				
6/6/2019	XX	SWXXXX3H0	D	D	D	D	D	D	D	D	D	D	D				
8/15/2019	XX	SWXXXX3HF	D	D	D	D	D	D	D	D	D	D	D				
10/24/2019	XX	SWXXXX408	I	I		I	I	I	I	I	I	I	I				
PBF																	
5/3/2000	XX	PBFXX36649	0.1 U	1 U	0.084	59	1	3.4	30.4	20	25.3	8.6	5.6				
8/9/2000	XX	PBFXX36747	0.1 U	1.7	0.018	328	4	10.7	192	145	187.9	7.4	50.2				
11/8/2000	XX	PBFXX36838	0.1 U	2.2	0.02	78	3	1.2	20.2	26	26.3	7.6	7.2				
5/16/2001	XX	PBFXX37027	0.1 U	1.9	0.012	378	4	16	230.5	215	236	5.8	53.8				
7/31/2001	XX	PBFXX37103	0.1 U	6	0.038	125	7	2.6	57.2	37	40	12.9	15.9				
10/23/2001	XX	PBFXX37187	0.1 U	1 U	0.034	408	4	14.1	175.1	232	246	6.6	57.7				
5/21/2002	XX	PBFXX37397	0.1 U	1 U	0.005	330	4	15.9	210.5	185	198	8.8	45.1				
8/8/2002	XX	PBFXX37476	0.1 U	1 U	0.055	105	21	4.2	42.6	38	42	11.5	9				
10/24/2002	XX	PBFXX37553	0.1 U	1 U	0.029	45	2	3.9	14.4	18	18	13.2	4.3				
6/26/2003	XX	PBFXX37798	0.2 U	2 U	0.1 U	41	2	2.1	30	24	24	11	2.9				
8/13/2003	XX	PBFXX37846	0.2 U	2 U	0.1 U	54	12	2.3	36	26	27	9.8	3.4				
10/23/2003	XX	PBFXX37917	0.2 U	2 U	0.1 U	54	4	5	40	26	27	14	3.9				
5/6/2004	XX	PBFXX38113	0.2 U	2 U	0.1 U	18	1 U	2.6	29	22	22	11	3.3				
7/27/2004	XX	PBFXX38195	0.2 U	0.5 U	0.1 U	79	2	10	73	62	65	7.3	4.6				
10/25/2004	XX	PBFXX38285	0.2 U	2 U	0.1 U	68	1 U	2.8	30	27	27	8.8	3.7				
5/12/2005	XX	SWPBFX017	0.2 U	2 U	0.1 U	66	2	4.4	29	23	23	8.7	2.7				
7/25/2005	XX	SWPBFX02J	0.2 U	2 U	0.1 U	86	2.5	2.8	25	22	23	13	3.5				
11/10/2005	XX	SWPBFX04B	0.2 U	2 U	0.1 U	42	1 U	4.3	24	18	18	8	2.5				
5/2/2006	XX	SWPBFX097	0.2 U	2 U	0.02 U	20	2.5	3.6	46	30	31	6.4	3.8				
8/3/2006	XX	SWPBFX07F	0.2 U	2 U	0.02 U	650	4	5.4	35	35	35	11	2.8				
10/18/2006	XX	SWPBFX063	0.2 U	2 U	0.02 U	59	1.1	7.4	38	37	37	8.6	3.6				
5/21/2007	XX	SWPBFX0AJ	0.95	2 U	0.02 U	43	2.9	4.4	31	30	30	5	3.1				
8/8/2007	XX	SWPBFX0CC	0.2 U	0.5 U	0.022	61	1 U	1.7	23	19	19	9.3	2 U				
11/6/2007	XX	SWPBFX0E4	0.2 U	0.5 U	0.02	67	2.6	9.2	26	22	22	8.6	3.3				
6/11/2008	XX	SWPBFX0GC	0.2 U	0.5 U	0.082	280	3.4	19	150	162	170	17	16				
8/19/2008	XX	SWPBFX0IC	0.2 U	0.5 U	0.026	81	1 U	2.2	34	35	35	9.6	2.5				
10/22/2008	XX	SWPBFX100	0.2 U	0.5 U	0.03	60	1.8	2.1	24	21	21	9.2	2 U				
5/7/2009	XX	SWPBFX120	0.2 U	0.5 U		34	1.7	1.9	19	21	21	6.3	1.3				

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

(PBF) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
8/12/2009	XX	SWPBFX140	0.2 U	0.5 U	0.05 U	93	1.1	3.2	71	60	61	6.4	3.3
10/27/2009	XX	SWPBFX158	0.2 U	0.5 U	0.02 U	84	1 U	8.9	32	30	30	6.4	4.4
6/7/2010	XX	SWPBFX179	0.2 U	0.5 U	0.02 U	82	3.8	3	43	52	52	6	9.6
8/18/2010	XX	SWPBFX19A	0.2 U	0.5 U	0.02 U	44	1.1 U	1 U	14	21	21	7.9	2 U
10/21/2010	XX	SWPBFX1AI	0.2 U	0.5 U	0.024	1 U	1.4 U	3.2	17	15	15	7.3	2 U
5/18/2011	XX	SWXXXX1E8	0.2 U	0.5 U	0.02 U	17	5 U	1.8	19	17	17	7.2	3
8/10/2011	XX	SWXXXX1FJ	0.08 U	0.2 U	0.021	26	0.45 U	1.5	16	16	16	9	1.2 J
8/10/2011	XD	LTDP3X1G9	0.08 U	0.2 U	0.016	33	0.46 U	1.5	16	16	16	9.2	1.3 J
11/2/2011	XX	SWXXXX1HA	0.082 U	0.2 U	0.02	69	2.35 J	6.7	37	36	36	5	4.4
PBFR													
5/14/2012	XX	SWXXXX1J4	0.2 U	0.5 U	0.02 U	39	2.5 U	4.8	34	32	32	4.5	4.3
8/14/2012	XX	SWXXXX20H	0.2 U	0.25 U	0.18	85	16	5.2	39	45	45	16.9	2.2
10/29/2012	XX	SWXXXX22B	0.2 U	0.5	0.16	58	2.5 U	7.6	50	36	36	8	4.1
10/29/2012	XD	SWDP2X230	0.2 U	0.25 U	0.03	58	2.5 U	5.9	48	32	32	7.8	3.8
5/21/2013	XX	SWXXXX245	0.2 U	0.25 U	0.02 U	30	2.5 U	1.1	18	21	21	6.8	1
5/21/2013	XD	SWDP2X24E	0.2 U	0.25 U	0.02 U	35	2.5 U	1	18	21	21	6.5	1
7/24/2013	XX	SWXXXX25J	0.2 U	0.25 U	0.03	33	2.7	0.82	16	22	22	9.1	1
7/24/2013	XD	SWDP2X268	0.2 U	0.25 U	0.02 U	23	2.5 U	0.83	15	21	21	9.5	1
10/1/2013	XX	SWXXXX27D	0.2 U	0.37	1.1	33	12	4.2	18	14	14	9.2	1.3
10/1/2013	XD	SWDP3X282	0.2 U	2	1.2	18	5 U	5.1	21	17	17	10	1.2
6/5/2014	XX	SWXXXX297	0.1 U	0.05 U	0.1 U	35	4 U	1 U	19	15	15	6.2	2.5
6/5/2014	XD	SWDP2X29G	0.1 U	0.05 U	0.1 U	36	4 U	1 U	18.3	16	16	6.2	2.2
8/21/2014	XX	SWXXXX2B1	0.1 U	0.05 U	0.1 U	41	7.2	1 U	20	20	20	6.6	2.8
8/21/2014	XD	SWDP2X2BA	0.1 U	0.05 U	0.1 U	32	4 U	1 U	19.8	22	22	6.7	2.8
11/13/2014	XX	SWXXXX2CF	0.1 U	0.36	0.1 U	61	6.8	12	23.5	15	15	6.8	4.4
11/13/2014	XD	SWDP3X2D4	0.1 U	0.05 U	0.1 U	50	4 U	4.5	23.1	16	16	6.7	4.1
6/4/2015	XX	SWXXXX2EB	0.1 U	0.05 U	0.1 U	72	8	4.9	37.1	38	38	3.9	4
6/4/2015	XD	SWDP2X2F0	0.1 U	0.05 U	0.1 U	61	13	4.8	36.4	39	39	4.1	3.6
9/3/2015	XX	SWXXXX2G6	0.1 U	0.05 U	0.1 U	47	4.8	1 U	29	27	27	8.4	3.6
9/3/2015	XD	SWDP2X2GF	0.1 U	0.05 U	0.1 U	57	4 U	1 U	28.4	25	25	8.4	3.7
11/5/2015	XX	SWXXXX2I0	0.1 U	0.05 U	0.1 U	71	4 U	1 U	25.4	23	23	8.1	2.8
11/5/2015	XD	SWDP3X2I9	0.1 U	0.05 U	0.1 U	64	10	1 U	27.2	22	22	7.8	3.7
6/16/2016	XD	SWDP2X31J	0.1 U	0.05 U	0.1 U	30	4 U	1 U	21.7	20	20	6	3.6
6/16/2016	XX	SWXXXX31A	0.1 U	0.05 U	0.1 U	45	4 U	1 U	22	20	20	6	5.1
9/22/2016	XD	SWDP2X33D	0.1 U	0.05 U	0.1 U	47	4 U	1 U	22.8	20	20	6.5	3.3
9/22/2016	XX	SWXXXX334	0.1 U	0.05 U	0.1 U	51	4 U	1 U	22.3	21	21	6.4	3
11/10/2016	XD	SWDP3X357	0.1 U	0.46	0.1 U	57	4 U	15	26	19	19	6.3	6.2
11/10/2016	XX	SWXXXX34I	0.1 U	0.45	0.1 U	51	4 U	14	25.7	17	17	6.3	6.3
6/15/2017	XD	SWDP2X372	0.1 U	0.05 U	0.1 U	43	4 U	1 U	23.7	18	18	9	2.6
6/15/2017	XX	SWXXXX36D	0.1 U	0.05 U	0.1 U	46	4 U	1 U	24.2	18	18	9.1	3.4
8/31/2017	XD	SWDP2X38G	0.1 U	0.05 U	0.1 U	69	8.8	1.5	35	28	28	9.9	3.6
8/31/2017	XX	SWXXXX387	0.1 U	0.5	0.1 U	72	18	1 U	31.2	22	22	9.7	3.1
11/16/2017	XD	SWDP3X3AA	0.1 U	0.77	0.18	97	76	37	38	7.4	7.4	11	3.7
11/16/2017	XX	SWXXXX3A1	0.1 U	0.86	0.16	99	190	25	37.8	5.1	5.1	11	4.3
6/21/2018	XD	SWDP2X3C5	0.1 U	0.05 U	0.1 U	83	4 U	1 U	22.8	18	18	7.9	2 U
6/21/2018	XX	SWXXXX3BG	0.1 U	0.05 U	0.1 U	94	4 U	1 U	22.7	17	17	7.9	2 U
8/16/2018	XD	SWDP2X3D0	0.1 U	0.05 U	0.1 U	56	4 U	1 U	23.4	17	17	8.8	2.1
8/16/2018	XX	SWXXXX3CB	0.1 U	0.12	0.1 U	76	4 U	1	24.4	19	19	8.9	2 U
11/29/2018	XD	SWDP3X3FD	0.1 U	0.5	0.1 U	200	20	89	150	53	53	6.4	5.8

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

(PBFR) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
11/29/2018	XX	SWXXXX3F4	0.1 U	1.9	0.1 U	200	14	89	144	40	40	6.9	5.7
6/6/2019	XD	SWDP2X3H8	0.1 U	0.05 U	0.1 U	48	4 U	1 U	27.1	23	23	8.6	2.3
6/6/2019	XX	SWXXXX3GJ	0.1 U	0.05 U	0.1 U	46	4 U	1 U	45.6	24	24	8.9	2.2
8/15/2019	XD	SWDP2X3I3	0.1 U	0.05 U	0.1 U	48	4 U	1 U	23.3	20	20	9	3.7
8/15/2019	XX	SWXXXX3HE	0.1 U	0.05 U	0.1 U	55	4.4	1 U	23.4	20	20	8.9	4
10/24/2019	XX	SWXXXX407	0.1 U	0.14	0.1 U	62	4 U	11	37.4	25	25	13	4.1
10/24/2019	XD	SWDP3X40G	0.1 U	0.14	0.1 U	70	4 U	11	38.1	25	25	13	4.3
PBFB													
5/3/2000	XX	PBFBXX36649	0.1 U	1 U	0.068	37	3	3.2	16.8	12	13.1	16.7	3
8/9/2000	XX	PBFBXX36747	0.1 U	1 U	0.007	58	8	1 U	14.9	190	200	13.3	1.5
11/8/2000	XX	PBFBXX36838	0.1 U	1.1	0.003	47	5	3.2	10.2	5	5.1	9.1	2.9
5/16/2001	XX	PBFBXX37027	0.1 U	1.9	0.018	48	2	3.3	11.6	7	7	10.4	2.1
7/31/2001	XX	PBFBXX37103	0.1 U	1 U	0.016	54	12	5.7	13.4	14	14	11.2	3.8
10/24/2001	XX	PBFBXX37188	0.1 U	1 U	0.022	114	12	17.1	30.1	1 U	1 U	6.7	3.1
5/21/2002	XX	PBFBXX37397	0.1 U	1.2	0.009	57	2	5.1	12.9	2.58	4	10.4	1 U
8/6/2002	XX	PBFBXX37474	0.1 U	1 U	0.014	73	15	3.8	25	24	25	14	1.1
10/24/2002	XX	PBFBXX37553	0.1 U	1 U	0.016	41	1	11.4	10.6	8	8	9.7	2.2
6/26/2003	XX	PBFBXX37798	0.2 U	2 U	0.1 U	36	9	1 U	19	12	12	15	2 U
8/13/2003	XX	PBFBXX37846	0.2 U	2 U	0.1 U	34	2	2.1	21	14	14	11	2.4
10/23/2003	XX	PBFBXX37917	0.2 U	2 U	0.1 U	71	4	3.2	16	4	4	38	2
5/6/2004	XX	PBFBXX38113	0.2 U	2 U	0.1 U	29	1 U	2.4	24	16	16	13	2.8
7/27/2004	XX	PBFBXX38195	0.2 U	0.5 U	0.1 U	10	3	1.5	18	29	30	21	2 U
10/25/2004	XX	PBFBXX38285	0.2 U	2 U	0.1 U	67	1 U	5.3	19	11	11	10	2.8
5/12/2005	XX	SWPBFB018	0.2 U	2 U	0.1 U	51	1 U	3.5	21	17	17	8.6	2
7/25/2005	XX	SWPBFB030	0.2 U	2 U	0.1 U	70	2.5	2.3	26	21	22	13	3.2
11/10/2005	XX	SWPBFB04C	0.2 U	2 U	0.1 U	52	2.5	3.4	10	18	18	16	2 U
5/2/2006	XX	SWPBFB098	0.2 U	2 U	0.05	57	2	2	16	10	11	10	2 U
8/3/2006	XX	SWPBFB07G	0.2 U	2 U	0.03	42	3.3	1.3	23	20	20	13	2 U
10/18/2006	XX	SWPBFB064	0.2 U	2 U	0.02 U	43	1.7	4.2	10 U	11	11	14	2 U
5/21/2007	XX	SWPBFB0B0	0.98	2 U	0.025	20	1 U	2.4	13	8	7.9	7.1	2 U
8/8/2007	XX	SWPBFB0CD	0.2 U	0.5 U	0.03	65	2	1.2	25	23	23	11	2 U
11/6/2007	XX	SWPBFB0E5	0.2 U	0.5 U	0.02	83	1 U	5.6	10 U	2	3	21	2 U
6/11/2008	XX	SWPBFB0GD	0.2 U	0.5 U	0.032	77	1.2	2.5	12	4	4.7	23	2 U
8/19/2008	XX	SWPBFB0ID	0.2 U	0.5 U	0.023	66	1.4	1.6	24	21	21	11	2 U
10/22/2008	XX	SWPBFB101	0.2 U	0.5 U	0.05	76	3.4	2.6	23	16	16	14	2 U
5/7/2009	XX	SWPBFB121	0.2 U	0.5 U		51	1.2	1.3	14	12	12	8.4	2 U
8/12/2009	XX	SWPBFB141	0.2 U	0.5 U	0.05 U	90	3.3	1 U	26	22	22	22	2 U
10/27/2009	XX	SWPBFB159	0.2 U	0.5 U	0.02 U	87	1 U	5	10	6	5.7	14	2 U
6/7/2010	XX	SWPBFB17A	0.2 U	0.5 U	0.22	58	50	1.8	10 U	20	20	20	2 U
8/18/2010	XX	SWPBFB19B	0.2 U	0.5 U	0.021	49	9.6	1 U	20	27	27	11	2 U
10/21/2010	XX	SWPBFB1AJ	0.2 U	0.5 U	0.03	47	8	7.1	10 U	5	5.1	10	2 U
5/18/2011	XX	SWXXXX1E7	0.2 U	0.5 U	0.02 U	15	5 U	2	14	11	11	8.2	2 U
8/10/2011	XX	SWXXXX1FI	0.08 U	0.2 U	0.023	29	6.6	1.3	16	15	15	9.4	1.3 J
11/2/2011	XX	SWXXXX1H9	0.082 U	0.2 U	0.046	50	28	1.6	13	12	12	18	1.4 J
5/14/2012	XX	SWXXXX1J3	0.2 U	0.5 U	0.19	37	8.7	28	17	2 U	2 U	15	2 U
8/14/2012	XX	SWXXXX20G	0.2 U	0.25 U	0.11	42	140	0.86	16	27	27	18.6	1.7
10/29/2012	XX	SWXXXX22A	0.2 U	0.25 U	0.02 U	10	23	1.1	17	14	14	9.5	1.1
5/21/2013	XX	SWXXXX244	0.2 U	0.25 U	0.02 U	8	2.5 U	2	10 U	13	13	7.5	1.1
7/24/2013	XX	SWXXXX25I	0.2 U	0.25 U	0.02 U	36	2.5 U	0.67	16	20	20	10	0.96

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

(PBFB)			Ammonia (N)	Nitrate (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Ca-mg Hardness (CaCO3)	Bicarbonate (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Chloride				
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				
10/1/2013	XX	SWXXXX27C	0.2 U	0.25 U	0.02 U	21	2.5 U	0.76	17	2 U	2 U	9.3	0.86				
6/5/2014	XX	SWXXXX296	0.1 U	0.05 U	0.1 U	40	28	1 U	17	14	14	7.2	2.4				
8/21/2014	XX	SWXXXX2B0	0.1 U	0.05 U	0.1 U	40	5.2	1 U	17.6	18	18	6.6	3.9				
11/13/2014	XX	SWXXXX2CE	0.1 U	0.05 U	0.1 U	42	4 U	1 U	17.8	16	16	7.6	2.9				
6/4/2015	XX	SWXXXX2EA	0.1 U	0.18	0.1	22	4.4	1 U	13.7	13	13	7.3	2.9				
9/3/2015	XX	SWXXXX2G5	0.1 U	0.066	0.1 U	28	4 U	5.5	18.3	16	16	8.4	2 U				
11/5/2015	XX	SWXXXX2HJ	0.1 U	0.05 U	0.1 U	52	4 U	1 U	17.9	16	16	8.9	3				
6/16/2016	XX	SWXXXX319	0.1 U	0.05 U	0.1 U	67	4 U	1 U	18.4	16	16	6.3	4.1				
9/22/2016	XX	SWXXXX333	0.12	0.05 U	0.1 U	61	4 U	1 U	19.6	18	18	6.6	3.2				
11/10/2016	XX	SWXXXX34H	0.1 U	0.05 U	0.1 U	43	4 U	1 U	16.5	18	18	6.4	3.4				
6/15/2017	XX	SWXXXX36C	0.1 U	0.05 U	0.1 U	45	4 U	1 U	20.7	16	16	9.9	2 U				
8/31/2017	XX	SWXXXX386	0.1 U	0.073	0.1 U	58	4 U	1 U	22.6	18	18	9.1	3.1				
11/16/2017	XX	SWXXXX3A0	0.1 U	0.05 U	0.1 U	67	4 U	1 U	26.6	20	20	11	3.8				
6/21/2018	XX	SWXXXX3BF	0.1 U	0.05 U	0.1 U	54	10	1 U	19.6	15	15	8.6	2 U				
8/16/2018	XX	SWXXXX3CA	0.1 U	0.05 U	0.1 U	82	4 U	1 U	21.9	19	19	9.4	2 U				
11/29/2018	XX	SWXXXX3F3	0.1 U	0.3	0.1 U	57	4 U	9.9	26.4	13	13	11	3.5				
6/6/2019	XX	SWXXXX3GI	0.1 U	0.05 U	0.1 U	48	4 U	1 U	18.3	14	14	11	2 U				
8/15/2019	XX	SWXXXX3HD	0.1 U	0.05 U	0.1 U	51	4 U	1 U	17.4	18	18	9.1	3.2				
10/24/2019	XX	SWXXXX406	0.1 U	0.06	0.1 U	44	7.2	1 U	20.2	12	12	16	3.5				
SPO																	
5/3/2000	XX	SPOXX36649	D		D			D	D			D	D				
8/9/2000	XX	SPOXX36747	D		D			D	D			D	D				
11/8/2000	XX	SPOXX36838	D		D			D	D			D	D				
5/16/2001	XX	SPOXX37027	D	D			D	D	D	D	D	D	D				
7/31/2001	XX	SPOXX37103	D	D			D	D	D	D	D	D	D				
10/23/2001	XX	SPOXX37187	D	D	D		D	D	D	D	D	D	D				
5/21/2002	XX	SPOXX37397	D	D	D	D	D	D	D	D	D	D	D				
7/30/2002	XX	SPOXX37467	D	D	D	D	D	D	D	D	D	D	D				
10/22/2002	XX	SPOXX37551	D	D	D	D	D	D	D	D	D	D	D				
6/23/2003	XX	SPOXX37795	D	D	D	D	D	D	D	D	D	D	D				
8/13/2003	XX	SPOXX37846	D	D	D	D	D	D	D	D	D	D	D				
10/20/2003	XX	SPOXX37914	D	D	D	D	D	D	D	D	D	D	D				
5/6/2004	XX	SPOXX38113	0.2 U	2 U	0.12	100	3	4.1	81	65	67	17	4.8				
7/27/2004	XX	SPOXX38195	D	D	D	D	D	D	D	D	D	D	D				
10/25/2004	XX	SPOXX38285	D	D	D	D	D	D	D	D	D	D	D				
5/12/2005	XX	SWSPOX01A	D	D	D	D	D	D	D	D	D	D	D				
7/25/2005	XX	SWSPOX032	D	D	D	D	D	D	D	D	D	D	D				
11/10/2005	XX	SWSPOX04E	0.2 U	2 U	0.1 U	140	3	15	110	75	77	12	6.8				
5/2/2006	XX	SWSPOX09A	0.2 U	2 U	0.05	98	1.5	2.3	86	67	69	15	19				
8/3/2006	XX	SWSPOX07I	0.2 U	2 U	0.12	130	7.5	1 U	76	74	75	17	4.8				
10/18/2006	XX	SWSPOX066	0.2 U	2 U	0.06	82	5.7	4.3	45	45	46	13	6.8				
5/21/2007	XX	SWSPOX0B2	0.2 U	2 U	0.042	92	2	3.2	58	54	55	9.3	13				
8/9/2007	XX	SWSPOX0CF	D	D		D	D	D	D	D	D	D	D				
11/6/2007	XX	SWSPOX0E7	0.2 U	0.5 U	0.03	94	2	14	30	21	21	13	2.1				
6/11/2008	XX	SWSPOX0GF	0.2 U	0.5 U	0.1	90	6.5	4.7	36	27	27	18	2 U				
8/19/2008	XX	SWSPOX0GJ	D	D	D	D	D	D	D	D	D	D	D				
10/22/2008	XX	SWSPOX103	D	D	D	D	D	D	D	D	D	D	D				
5/7/2009	XX	SWSPOX123	0.2 U	0.5 U		100	0.6 U	6.7	57	53	54	10	9.4				
8/17/2009	XX	SWSPOX127	D	D	D	D	D	D	D	D	D	D	D				

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

(SPO) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
10/27/2009	XX	SWSPOX15B	0.2 U	0.5 U	0.02	70	1 U	10	33	27	27	10	3.7
6/7/2010	XX	SWSPOX17C	0.2 U	0.5 U	0.038	80	2.1	2	35	36	36	16	7.4
8/18/2010	XX	SWSPOX17H	D	D		D	D	D	D	D	D	D	D
10/21/2010	XX	SWSPOX1B1	D	D		D	D	D	D	D	D	D	D
5/18/2011	XX	SWXXXX1EA	0.2 U	0.5 U	0.02 U	43	5 U	9.2	39	29	29	13	3.9
8/10/2011	XX	SWXXXX1G1	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
11/2/2011	XX	SWXXXX1HC	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
5/14/2012	XX	SWXXXX1J6	0.2 U	0.5 U	0.041	59	3.1	5.7	40	32	32	13	5.9
8/14/2012	XX	SWXXXX20J	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/29/2012	XX	SWXXXX22D	0.2 U	0.25 U	0.12	80	26	3.6	42	33	33	16	6.6
5/21/2013	XX	SWXXXX247	0.2 U	0.53	0.11	54	23	2.7	27	31	31	11	7.2
7/24/2013	XX	SWXXXX261	0.21	0.25 U	0.083	69	37	3.9	21	38	38	12	4.7
10/1/2013	XX	SWXXXX27F	I	I	I	I	I	I	I	I	I	I	I
6/5/2014	XX	SWXXXX299	D	D	D	D	D	D	D	D	D	D	D
8/21/2014	XX	SWXXXX2B3	I	I	I	I	I	I	I	I	I	I	I
11/13/2014	XX	SWXXXX2CH	0.1 U	0.05 U	0.1 U	75	4 U	6.5	30	25	25	11	3.3
6/4/2015	XX	SWXXXX2ED	0.1 U	0.05 U	0.1 U	79	24	1 U	40.2	41	41	11	3.7
9/3/2015	XX	SWXXXX2G8	D	D	D	D	D	D	D	D	D	D	D
11/5/2015	XX	SWXXXX2I2	0.1 U	0.05 U	0.1 U	82	4 U	6.2	36.2	28	28	9.8	2.5
6/16/2016	XX	SWXXXX31C	D	D	D	D	D	D	D	D	D	D	D
9/22/2016	XX	SWXXXX336	D	D	D	D	D	D	D	D	D	D	D
11/10/2016	XX	SWXXXX350	I	I	I	I	I	I	I	I	I	I	I
6/15/2017	XX	SWXXXX36F	I	I	I	I	I	I	I	I	I	I	I
8/31/2017	XX	SWXXXX389	D	D	D	D	D	D	D	D	D	D	D
11/16/2017	XX	SWXXXX3A3	D	D	D	D	D	D	D	D	D	D	D
6/21/2018	XX	SWXXXX3BI	D	D	D	D	D	D	D	D	D	D	D
8/16/2018	XX	SWXXXX3CD	D	D	D	D	D	D	D	D	D	D	D
6/6/2019	XX	SWXXXX3H1	0.1 U	0.05 U	0.1 U	96	16	1 U	62.5	51	52	15	2.8
8/15/2019	XX	SWXXXX3HG	D	D	D	D	D	D	D	D	D	D	D
10/24/2019	XX	SWXXXX409	0.1 U	0.34	0.1 U	64	5.2	7.9	34.8	24	24	15	3.1
SPON													
5/12/2005	XX	SWSPON01B	0.32	2 U	0.1 U	400	16	42	270	240	260	16	19
7/25/2005	XX	SWSPON033	D	D		D	D	D	D	D	D	D	D
11/10/2005	XX	SWSPON04F	0.2 U	2 U	0.1 U	380	2.5	28	360	260	290	9.5	24
5/2/2006	XX	SWSPON09B	0.2 U	2 U	0.09	270	20	18	280	220	240	15	22
8/3/2006	XX	SWSPON07J	2.3	2 U	0.05	960	3.6	80	750	640	670	30	41
10/18/2006	XX	SWSPON067	2	2 U	0.06	440	6.2	41	320	270	290	13	33
5/21/2007	XX	SWSPON0B3	0.46	2 U	0.033	360	1.4	50	260	220	240	12	20
8/9/2007	XX	SWSPON0CG	D	D		D	D	D	D	D	D	D	D
11/6/2007	XX	SWSPON0E8	0.2 U	1	0.06	310	8.9	74	130	105	110	16	6.3
6/11/2008	XX	SWSPON0GG	0.2 U	0.5 U	0.15	230	13	29	150	115	120	22	4.4
8/19/2008	XX	SWSPON0H0	0.3	0.5 U	0.13	330	6.9	1.9	250	270	290	22	9.3
10/22/2008	XX	SWSPON104	0.78	0.5 U	0.12	480	4.1	12	430	360	380	18	25
5/7/2009	XX	SWSPON124	0.2 U	0.5 U		380	3	5.4	290	300	320	14	25
8/12/2009	XX	SWSPON128	0.2 U	0.5 U	0.05 U	270	3.1	3.3	240	210	230	12	8.6
10/27/2009	XX	SWSPON15C	0.2 U	0.5 U	0.02 U	260	1 U	22	220	180	190	10	13
6/7/2010	XX	SWSPON17D	0.2 U	0.5 U	0.02 U	190	1.3	5	180	140	140	15	2.9
8/18/2010	XX	SWSPON17I	D	D		D	D	D	D	D	D	D	D
10/21/2010	XX	SWSPON1B2	0.2 U	0.5 U	0.11	420	1.4 U	64	280	240	260	11	29

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

(SPON) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
5/18/2011	XX	SWXXXX1EB	0.2 U	0.5 U	0.022	170	5 U	7.3	150	150	150	9.2	9.6
8/10/2011	XX	SWXXXX1G2	D	D	D	D	D	D	D	D	D	D	D
11/2/2011	XX	SWXXXX1HD	1.6	0.2 U	0.059	470	1.46 J	17	360	400	400	14	49
5/14/2012	XX	SWXXXX1J7	0.2 U	0.5 U	0.024	140	2.5 U	5.7	130	130	130	13	5.4
8/14/2012	XX	SWXXXX210	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6
10/29/2012	XX	SWXXXX22E	1.7	0.25 U	0.049	440	5 U	23	360	370	370	11	34
5/21/2013	XX	SWXXXX248	0.2 U	0.25 U	0.04	420	2.5 U	5.3	300	340	340	15	36
7/24/2013	XX	SWXXXX262	0.29	0.25 U	0.5	250	18	6.8	140	190	190	16	9.2
10/1/2013	XX	SWXXXX27G	1.3	0.25 U	0.02 U	380	8.7	4.1	320	330	330	13	26
6/5/2014	XX	SWXXXX29A	0.3	0.16	0.1 U	540	8.8	1 U	396	400	400	14	36
8/21/2014	XX	SWXXXX2B4	0.28	0.05 U	0.1 U	410	13	32	232	270	270	12	30
11/13/2014	XX	SWXXXX2CI	1.2	0.12	0.13	400	4 U	20	291	320	320	20	27
6/4/2015	XX	SWXXXX2EE	0.87	0.05 U	0.1 U	440	30	1 U	289	330	330	15	29
9/3/2015	XX	SWXXXX2G9	0.7	0.11	0.15	550	26	1 U	404	450	450	22	29
11/5/2015	XX	SWXXXX2I3	1.2	0.18	0.1 U	390	4.8	1 U	286	320	320	11	31
6/16/2016	XX	SWXXXX31D	0.14	0.9	0.1 U	450	24	1 U	350	330	330	16	38
9/22/2016	XX	SWXXXX337	D	D	D	D	D	D	D	D	D	D	D
11/10/2016	XX	SWXXXX351	0.1 U	18	0.1 U	890	4 U	380	640	240	240	21	25
6/15/2017	XX	SWXXXX36G	0.1 U	0.096	0.1 U	440	4 U	77	378	300	300	17	13
8/31/2017	XX	SWXXXX38A	D	D	D	D	D	D	D	D	D	D	D
11/16/2017	XX	SWXXXX3A4	0.11	0.085	0.1 U	750	4 U	270	600	300	300	17	14
6/21/2018	XX	SWXXXX3BJ	D	D	D	D	D	D	D	D	D	D	D
8/16/2018	XX	SWXXXX3CE	D	D	D	D	D	D	D	D	D	D	D
11/29/2018	XX	SWXXXX3F7	0.1 U	0.72	0.1 U	390	4 U	140	310	170	170	11	5.3
6/6/2019	XX	SWXXXX3H2	0.26	0.093	0.1 U	400	5.6	34	336	310	310	15	11
8/15/2019	XX	SWXXXX3HH	0.1 U	0.05 U	0.1 U	310	16	22	243	240	240	11	11
10/24/2019	XX	SWXXXX40A	0.1 U	0.52	0.1 U	330	7.6	89	265	170	170	16	3.7
SPOS													
5/12/2005	XX	SWSPOS01C	0.2 U	2 U	0.13	93	1 U	5.8	190	43	44	8.5	2.5
7/25/2005	XX	SWSPOS034	0.2 U	2 U	0.1 U	150	7	1.9	100	98	100	15	2.1
11/10/2005	XX	SWSPOS04G	0.2 U	2 U	0.1 U	71	1 U	5.4	55	46	47	7.6	3
5/2/2006	XX	SWSPOS09C	0.2 U	2 U	0.02 U	49	3	3.9	56	49	50	9.7	5.5
8/3/2006	XX	SWSPOS080	0.2 U	2 U	0.02 U	120	1.2 U	1 U	89	82	83	13	2.9
10/18/2006	XX	SWSPOS068	0.2 U	2 U	0.02 U	94	1 U	3.2	64	63	64	10	6.2
5/21/2007	XX	SWSPOS0B4	0.2 U	2 U	0.02 U	66	1 U	3.8	44	40	41	8.8	6.3
8/8/2007	XX	SWSPOS0CH	0.2 U	0.5 U	0.021	120	4.6	1 U	68	63	64	13	2 U
11/6/2007	XX	SWSPOS0E9	0.2 U	0.5 U	0.02 U	92	1 U	8.8	46	34	34	12	3.9
11/6/2007	XD	SWDP4X0F1	0.2 U	0.5 U	0.02 U	170	1 U	8.6	46		36	12	3.9
6/11/2008	XX	SWSPOS0GH	0.2 U	0.5 U	0.034	97	1 U	4.3	50	40	40	15	3.4
8/19/2008	XX	SWSPOS0H1	0.2 U	0.5 U	0.038	160	1 U	1 U	88	94	95	12	3
10/22/2008	XX	SWSPOS105	0.2 U	0.5 U	0.03	140	1 U	3.2	83	73	74	8.8	11
5/7/2009	XX	SWSPOS125	0.2 U	0.5 U		80	0.6 U	2.7	49	50	51	7.5	6
8/12/2009	XX	SWSPOS129	0.2 U	0.5 U	0.05 U	130	0.6 U	1 U	94	80	81	12	3.1
10/27/2009	XX	SWSPOS15D	0.2 U	0.5 U	0.02 U	16	1 U	5.4	41	35	36	12	3.1
6/7/2010	XX	SWSPOS17E	0.2 U	0.5 U	0.02 U	78	1 U	2.5	44	52	52	11	4
8/18/2010	XX	SWSPOS17J	D	D		D	D	D	D	D	D	D	D
10/21/2010	XX	SWSPOS1B3	0.2 U	0.5 U	0.025	120	1.4 U	21	59	39	39	8.4	4.2
10/21/2010	XD	SWDP4X1B7	0.2 U	0.5 U	0.022	140	1.4 U	22	59		39	8.4	4.2
5/18/2011	XX	SWXXXX1EC	0.2 U	0.5 U	0.02 U	33	8.3 U	3.8	38	37	37	8.8	2.3

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

(SPOS) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L				
8/10/2011	XX	SWXXXX1G3	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6				
11/2/2011	XX	SWXXXX1HE	0.082 U	0.2 U	0.0079 J	75	0.32 U	2.5	53	56	56	9.5	3				
5/14/2012	XX	SWXXXX1J8	0.2 U	0.5 U	0.02 U	62	2.5 U	3.1	45	41	41	12	2.3				
8/14/2012	XX	SWXXXX211	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6				
10/29/2012	XX	SWXXXX22F	0.2 U	0.25 U	0.02 U	78	2.5 U	6.2	63	56	56	7.8	3.7				
5/21/2013	XX	SWXXXX249	0.2 U	0.25 U	0.02 U	53	2.5 U	2	49	54	54	8.3	2.4				
7/24/2013	XX	SWXXXX263	0.2 U	0.25 U	0.02 U	79	2.5 U	2.4	53	52	52	14	1.1				
10/1/2013	XX	SWXXXX27H	0.2 U	0.25 U	0.02 U	88	2.5 U	0.58	83	87	87	11	1.4				
6/5/2014	XX	SWXXXX29B	0.1 U	0.05 U	0.1 U	110	4.4	1 U	83.4	91	91	7.3	2 U				
8/21/2014	XX	SWXXXX2B5	0.1 U	0.12	0.1 U	130	7.2	14	78.6	83	83	9.9	3.3				
11/13/2014	XX	SWXXXX2CJ	0.1 U	0.05 U	0.1 U	84	4 U	5	45.5	41	41	8.2	3				
6/4/2015	XX	SWXXXX2EF	0.1 U	0.05 U	0.1 U	73	4 U	1 U	44	45	45	7.6	2 U				
9/3/2015	XX	SWXXXX2GA	0.1 U	0.05 U	0.1 U	150	7.2	1 U	101	100	100	13	2.3				
11/5/2015	XX	SWXXXX2I4	0.1 U	0.05 U	0.1 U	88	4 U	1 U	48.8	45	45	8.6	2.8				
6/16/2016	XX	SWXXXX31E	D	D	D	D	D	D	D	D	D	D	D				
9/22/2016	XX	SWXXXX338	D	D	D	D	D	D	D	D	D	D	D				
11/10/2016	XX	SWXXXX352	0.1 U	0.05 U	0.1 U	140	4 U	39	94	74	74	7.2	5.7				
6/15/2017	XX	SWXXXX36H	0.1 U	0.05 U	0.1 U	93	4 U	1 U	72	71	71	8.2	2 U				
8/31/2017	XX	SWXXXX38B	D	D	D	D	D	D	D	D	D	D	D				
11/16/2017	XX	SWXXXX3A5	0.1 U	0.05 U	0.1 U	82	4 U	7.6	55.2	43	43	8	4				
6/21/2018	XX	SWXXXX3C0	0.1 U	0.05 U	0.1 U	140	4 U	1 U	90.4	97	97	10	2 U				
8/16/2018	XX	SWXXXX3CF	0.1 U	0.05 U	0.1 U	120	4 U	1 U	75.6	78	78	10	2 U				
11/29/2018	XX	SWXXXX3F8	0.1 U	0.05 U	0.1 U	45	4 U	3	45	38	38	7.7	2.7				
6/6/2019	XX	SWXXXX3H3	0.1 U	0.05 U	0.1 U	80	4 U	1 U	56	54	54	9.2	2 U				
8/15/2019	XX	SWXXXX3HI	0.1 U	0.05 U	0.1 U	120	4 U	1 U	85.2	88	88	8.6	2.5				
10/24/2019	XX	SWXXXX40B	0.1 U	0.05 U	0.1 U	96	4 U	1 U	51.1	47	47	18	3.1				

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

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

D - The sampling location was dry.
F6 - No flow. Sample not taken.
H - Analyzed outside U.S.EPA's recommended hold time
I - The sampling location yielded insufficient quantity to collect a sample.
J - Analyte was positively identified/Associated value is an estimate.
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
Y4 - Laboratory instrument malfuntion, therefore no data available to report.

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

(LP)			Ammonia (N)	Nitrate (N)	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Sulfate	Ca-mg Hardness (CaCO3)	Bicarbonate (CaCO3)	Alkalinity (CaCO3)	Organic Carbon	Biochemical Oxygen Demand	Chemical Oxygen Demand	Chloride	Cyanide	
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	ug/L	
LP																	
4/7/1986	XX	LPXX31509	0.32					10				37		130	12		
6/23/1986	XX	LPXX31586	0.13					11				103		334	30		
9/17/1986	XX	LPXX31672	3.1					15				136		514	44		
11/11/1986	XX	LPXX31727	0.1 U					3				158		475	58		
4/6/1987	XX	LPXX31873	20					200				428		1890	72		
6/29/1987	XX	LPXX31957	12					4				260		877	115		
10/5/1987	XX	LPXX32055	2					1100	4320			5615		1630	300		
11/16/1987	XX	LPXX32097	8		3			900	4734			5680		9238	270		
3/29/1988	XX	LPXX32231	5		2			125	780			574		1730	48		
6/27/1988	XX	LPXX32321	12		1.45			250	2428			2080		6185	240		
9/26/1988	XX	LPXX32412	11		1.47			14	2174			1235		4965	180		
11/10/1988	XX	LPXX32457	19		0.955			164	1987			1068		3190	280		
3/26/1989	XX	LPXX32593	17		0.86			260	957			560			46		
6/23/1989	XX	LPXX32682	21		0.33			155	1789			1168		2200	330		
9/25/1989	XX	LPXX32776	20		0.15			71	1990			1140		2098	560		
12/4/1989	XX	LPXX32846	24		1.58			30	2130					1892	320		
3/22/1990	XX	LPXX32954	9		1.46			192	1078			238		599	130		
6/19/1990	XX	LPXX33043	4		0.77			73	683			190		1016	120		
9/6/1990	XX	LPXX33122	18		0.104			45	1688			284		750	238		
10/23/1990	XX	LPXX33169	5		0.42			109	730			274		577	90		
3/13/1991	XX	LPXX33310	7.8		0.97			69.6	384.6			164.8		480	60		
6/7/1991	XX	LPXX33396	18.5					10	1272.7			225		290	171		
8/23/1991	XX	LPXX33473	1.7		0.08			30	761.7			116		436	111		
10/14/1991	XX	LPXX33525	7.6		1.29			41	1089.4			210		800	178		
3/17/1992	XX	LPXX33680	13.8		1.04			292	1487			365		1200	187		
6/11/1992	XX	LPXX33766	8.4		1.26			30	1627			440		3100	266		
8/13/1992	XX	LPXX33829	8.3		0.69			22	1942.3			375		1461	296		
10/20/1992	XX	LPXX33897	21.8		0.15			25	1869			470		1132	302		
4/13/1993	XX	LPXX34072	9.3		0.71			568	3589			581		1648	171		
8/3/1993	XX	LPXX34184	17.6		2.12			6.7	2204			615		1911	314		
10/19/1993	XX	LPXX34261	3.1		0.16			230	1320.5			297		1020	130		
5/10/1994	XX	LPXX34464	12.5		0.24			156	6430.2			252		932	143		
8/2/1994	XX	LPXX34548	10.5		0.52			150	1557.3			188		598	220		
10/19/1994	XX	LPXX34626	18.4		0.23			14.4	1254.8			172		605	271.5		
5/2/1995	XX	LPXX34821	8.3		0.165			39	1458.8			143			224		
7/7/1995	XX	LPXX34887	8.16		1.33			62.5	1760.9			260			244		
10/16/1995	XX	LPXX34988	8.9		1.04			128	1311.4			136			250		
5/15/1996	XX	LPXX35200	11		0.06			18.5	1217.6			258			265		
8/12/1996	XX	LPXX35289	10.8		1.76			20.8	1657.6			355			209		
10/9/1996	XX	LPXX35347	12.8		0.395			30.6	1760.1			357			222		
6/5/1997	XX	LPXX35586	13.24		0.16			32	1777.6			450			166		
8/14/1997	XX	LPXX35656	13.7		1.97			58	2450.9			457			211		
10/31/1997	XX	LPXX35734	12.6		1.67			17.3	1345.5			276.8			175		
5/5/1998	XX	LPXX35920	12.8		0.156			61.3	1421			195.7			181		
8/14/1998	XX	LPXX36021	13.6		0.208			72.1	1423			129.1			140		
10/21/1998	XX	LPXX36089	14.2		0.984			79.5	1264			193.4			154		
4/28/1999	XX	LPXX36278	19.35		0.301			39.4	1257.2			111.5			102		
7/23/1999	XX	LPXX36364	17.46		0.276			3.5	1470.5			118.9			218		

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

(LP)

Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chemical Oxygen Demand mg/L	Chloride mg/L	Cyanide ug/L	
10/14/1999	XX	LPXX36447	17.68		0.978	2582		59.4	1573.4			462			156		
5/3/2000	XX	LPXX36649	23.4	6.1	1.364	1943	133	61.7	1243.8	1180	1351.4	263			95.2		
8/9/2000	XX	LPXX36747	14.56	15.5	1.18	2440	101	8.4	1407.3	1475	1835.7	238.8			136.8		
11/8/2000	XX	LPXX36838	22.05	13.5	0.861	2464	80	78	1351.7	1900	1979.6	203.3			110.6		
5/16/2001	XX	LPXX37027	22.8	10	0.503	2563	125	50	1418.9	1800	1865	253			141.4		
7/31/2001	XX	LPXX37103	27	2.4	0.287	3903	128	20	1035.2	2550	2700	383.4			208		
10/23/2001	XX	LPXX37187	22.4	4.4	1.1	3556	50	17.4	1810.8	2415	2475	325.2			248		
5/21/2002	XX	LPXX37397	15.75	1.88	0.093	1828	129	91	1229.7	1230	1354	56.3			107		
8/6/2002	XX	LPXX37474	22.05	3.1	0.585	2684	119	3.2	1302.4	1914	2005	140.1			161.5		
10/24/2002	XX	LPXX37553	21.1	1.35	0.575	2118	45	52.2	1167.1	1650	1720	144.5			139.6		
6/26/2003	XX	LPXX37798	14	2 U	0.23	1400	83	70	1100	1000	1100	68			78		
8/13/2003	XX	LPXX37846	14	2 U	0.36	1400	50	51	870	1080	1100	74			58		
10/22/2003	XX	LPXX37916	11	2 U	0.13	1000	58	180	930	680	710	60	36	180	27	27	
5/6/2004	XX	LPXX38113	9.9	2 U	0.1 U	1000	54	77	870	800	840	46	54	140	37	10 U	
7/27/2004	XX	LPXX38195	15	0.5 U	0.1 U	1400	55	47	2300	1120	1200	80	68	220	93	10 U	
10/25/2004	XX	LPXX38285	21	2 U	0.1 U	1700	24	13	1300	1300	1400	64			100		
5/12/2005	XX	LTLPXX002	11	2 U	0.28	1100	35	61	970	840	880	69			48		
7/25/2005	XX	LTLPXX01E	14	2 U	0.27	1800	86	30	1300	1600	1700	77			88		
11/9/2005	XX	LTLPXX036	12	2 U	0.1 U	920	50	95	1000	900	980	40	22	140	48	10 U	
5/2/2006	XX	LTLPXX082	12	2 U	0.3	1300	54	80	1100	890	980	47			53		
8/3/2006	XX	LTLPXX06A	12	2 U	0.41	910	58	32	820	780	810	52			41		
10/18/2006	XX	LTLPXX04I	17	2 U	0.65	1400	50	120	650	1040	1100	48	20	170	65	19	
5/21/2007	XX	LTLPXX09E	1.1	2 U	0.43	1000	65	66	790	780	820	59			47		
5/21/2007	XD	LTXXXX0ED	1.1	2 U	0.47	1100	64	54	850		860	77			38		
8/8/2007	XX	LTLPXX0B7	A	A		A	A	A	A	A	A	A			A		
11/6/2007	XX	LTLPXX0CJ	4.2	1.9	0.28	1200	82	320	680	590	640	67	64	200	38	0.015	
5/27/2008	XX	LTLPXX0F7	1.2	0.5 U	0.22	1200	63	15	810	880	930	92			69		
8/19/2008	XX	LTLPXX0H7	4.3	0.5 U	0.28	1100	66	33	740	860	920	56			45		
10/22/2008	XX	LTLPXX0IF	6	0.5 U	0.55	1900	69	100	1500	1300	1400	120	110	300	92	0.01 U	
5/7/2009	XX	LTLPXX10F	7.5	0.5 U		1400	50	50	1200	940	1000	170			33		
8/12/2009	XX	LTLPXX12F	8.3	0.5 U	0.26	1400	30	4	1300	1120	1200	260			59		
10/27/2009	XX	LTLPXX143	4.9	0.59	0.14	840	59	65	680	675	710	150	170	400	34	0.18	
6/7/2010	XX	LTLPXX164	8.2	0.5 U	0.19	1300	87	48	670	960	1000	130			62		
6/7/2010	XD	LTDP4X162	8	0.5 U	0.21	1300	95	48	680		1000	130			62		
8/18/2010	XX	LTLPXX185	15	0.5 U	0.022	2000	46	11	760	1560	1700	110			140		
10/21/2010	XX	LTLPXX19D	10	0.5 U	0.37	1400	45	150	920	1060	1100	68	18	140	66	0.01 U	
5/18/2011	XX	LTXXXX1ED	5	0.5 U	0.11	710	31	37	500	610	610	37			24		
5/18/2011	XD	LTXXXX1EI	5	0.5 U	0.11	710	33	37	510	620	620	36			24		
8/10/2011	XX	LTXXXX1G4	6.6	0.2 U	0.51	1300	68	15	680	1200	1300	89			130		
11/2/2011	XX	LTXXXX1HF	11	0.2 U	0.16	1200	17	67	750	1100	1100	51			48		
11/2/2011	XD	LTDP3X1I0	11	0.2 U	0.15	1100	20	66	770	980	980	51			48		
5/14/2012	XX	LTXXXX1J9	5.6	0.52	0.035	640	24	33	490	520	520	26			17		
8/15/2012	XX	LTXXXX212	5.3	0.25 U	0.33	1300	100	13	690	1100	1100	96.5			85		
8/15/2012	XD	LTDP3X217	5.3	0.25 U	0.34	1300	92	13	650	1000	1000	97.7			84		
10/30/2012	XX	LTXXXX22G	9.6	0.25 U	0.12	940	23	70	680	780	780	32			33		
5/21/2013	XX	LTXXXX24A	8	0.25 U	0.14	960	42	26	650	810	810	31			42		
7/25/2013	XX	LTXXXX264	6.4	0.25 U	0.17	900	70	11	370	740	760	43			47		
10/1/2013	XX	LTXXXX27I	11	0.25 U	0.066	1000	18	18	510	890	890	33			37		
6/5/2014	XX	LTXXXX29C	11	0.05 U	0.1 U	1100	7.2	1 U	749	850	850	27			39		
8/21/2014	XX	LTXXXX2B6	27	0.05 U	0.14	1800	82	1.1	1160	1400	1400	51			82		

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

(LP) Date	Type	Sample ID	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	Ca-mg Hardness (CaCO3) mg/L	Bicarbonate (CaCO3) mg/L	Alkalinity (CaCO3) mg/L	Organic Carbon mg/L	Biochemical Oxygen Demand mg/L	Chemical Oxygen Demand mg/L	Chloride mg/L	Cyanide ug/L	
11/13/2014	XX	LTXXXX2D0	6.9	1.1	0.1 U	830	7.2	100	556	590	590	23			23		
6/4/2015	XX	LTXXXX2EG	6.2	0.36	0.1 U	700	15	28	500	550	560	18			19		
9/3/2015	XX	LTXXXX2GB	7.8	0.16	0.14	1100	26	1.5	705	870	880	47			50		
11/5/2015	XX	LTXXXX2I5	7.6	0.39	0.1 U	800	25	3.1	548	640	640	24			24		
6/16/2016	XX	LTXXXX31F	11	0.38	0.1 U	1100	6.8	1 U	760	930	930	30			48		
9/22/2016	XX	LTXXXX339	4.2	0.84	0.19	1400	24	1 U	871	1000	1100	54			82		
11/10/2016	XX	LTXXXX353	14	0.69	0.1 U	1500	14	1 U	918	1200	1200	51			82		
6/15/2017	XX	LTXXXX36I	12	0.12	0.1 U	1000	4 U	26	810	910	910	30			39		
8/31/2017	XX	LTXXXX38C	27	0.05 U	0.11	1800	10	1 U	1230	1600	1600	55			91		
11/16/2017	XX	LTXXXX3A6	7.4	0.75	0.1 U	780	8.4	77	610	600	600	22			26		
6/21/2018	XX	LTXXXX3C1	9.2	1.4	0.1 U	1300	8.8	1 U	875	1000	1000	34			50		
8/16/2018	XX	LTXXXX3CG	5.5	0.53	0.15	1000	49	54	644	810	820	35			50		
11/29/2018	XX	LTXXXX3F9	3.2	0.6	0.1 U	270	4 U	33	259	260	260	9.9			11		
6/6/2019	XX	LTXXXX3H4	7.5	0.18	0.1 U	680	17	23	551	630	630	19			20		
8/15/2019	XX	LTXXXX3HJ	16	0.05 U	0.1 U	1200	4 U	1 U	824	1100	1100	45			51		
10/24/2019	XX	LTXXXX40C	12	0.68	0.1 U	950	6.8	35	696	850	850	30			39		

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

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

A - The sampling location was Inaccessible

U - Not Detected above the laboratory reporting limit.

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

(301) Date	Type	Sample ID	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	o-Xylene ug/L	m,p-Xylene ug/L	C9-C12 ALIPHATICS (ADJUSTED) ug/L	C9-C10 AROMATICS (ADJUSTED) ug/L	C5-C8 ALIPHATICS (ADJUSTED) ug/L	Methyltertiary butylether ug/L	Naphthalene ug/L
301												
10/30/2012	XX	GW301X21C	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	4.81 U
10/1/2013	XX	GW301X26E	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U
11/11/2014	XX	GW301X2BG	3 U	5 U	5 U	5 U	10 U	94 U	94 U	94 U	5 U	5 U
11/4/2015	XX	GW301X2H1	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/10/2016	XX	GW301X33JVPH	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/14/2017	XX	GW301X392	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/28/2018	XX	GW301X3E5	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
10/23/2019	XX	GW301X3J8	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
302B												
10/30/2012	XX	GW302B21D	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	4.81 U
10/1/2013	XX	GW302B26F	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U
11/11/2014	XX	GW302B2BH	3 U	5 U	5 U	5 U	10 U	94 U	94 U	94 U	5 U	5 U
11/4/2015	XX	GW302B2H2	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/8/2016	XX	GW302B340VPH	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/14/2017	XX	GW302B393	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/28/2018	XX	GW302B3E6	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
10/23/2019	XX	GW302B3J9	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
302C												
10/30/2012	XX	GW302C21E	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	4.81 U
10/30/2012	XD	GWDP3X231	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	4.81 U
10/1/2013	XX	GW302C26G	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U
10/1/2013	XD	GWDP1X281	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U
11/11/2014	XX	GW302C2BI	3 U	5 U	5 U	5 U	10 U	94 U	94 U	94 U	5 U	5 U
11/11/2014	XD	GWDP1X2D3	3 U	5 U	5 U	5 U	10 U	94 U	94 U	94 U	5 U	5 U
11/4/2015	XX	GW302C2H3	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/4/2015	XD	GWDP1X2I8	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/8/2016	XD	GWDP1X356VPH	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/8/2016	XX	GW302C341VPH	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/14/2017	XD	GWDP1X3A9	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/14/2017	XX	GW302C394	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/28/2018	XD	GWDP1X3FC	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
11/28/2018	XX	GW302C3E7	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
10/23/2019	XX	GW302C3JA	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
10/23/2019	XD	GWDP1X40F	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U
LP												
8/15/2012	XX	LTXXXX212	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U
8/15/2012	XD	LTDP3X217	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U
10/30/2012	XX	LTXXXX22G	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5.05 U
5/21/2013	XX	LTXXXX24A	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5.21 U
7/25/2013	XX	LTXXXX264	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U
10/1/2013	XX	LTXXXX27I	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U
6/5/2014	XX	LTXXXX29C	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	1.9 U
8/21/2014	XX	LTXXXX2B6	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	1.9 U
11/13/2014	XX	LTXXXX2D0	3 U	5 U	5 U	5 U	10 U	94 U	94 U	94 U	5 U	5 U
6/4/2015	XX	LTXXXX2EG	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	1.9 U
9/3/2015	XX	LTXXXX2GB	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U

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

(LP) Date	Type	Sample ID	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	o-Xylene ug/L	m,p-Xylene ug/L	C9-C12 ALIPHATICS (ADJUSTED) ug/L	C9-C10 AROMATICS (ADJUSTED) ug/L	C5-C8 ALIPHATICS (ADJUSTED) ug/L	Methyltertiary butylether ug/L	Naphthalene ug/L					
11/5/2015	XX	LTXXXX2I5	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
6/16/2016	XX	LTXXXX31F	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
9/22/2016	XX	LTXXXX339	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/10/2016	XX	LTXXXX353DL	30 U	50 U	50 U	50 U	100 U	1000 U	1000 U	1000 U	50 U	50 U					
6/15/2017	XX	LTXXXX36I	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
8/31/2017	XX	LTXXXX38C	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/16/2017	XX	LTXXXX3A6	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
6/21/2018	XX	LTXXXX3C1RA	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
8/16/2018	XX	LTXXXX3CG	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/29/2018	XX	LTXXXX3F9	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
6/6/2019	XX	LTXXXX3H4	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
8/15/2019	XX	LTXXXX3HJRA	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
10/24/2019	XX	LTXXXX40C	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
QCBT																	
8/15/2012	XX	BTXXXX21A	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U					
10/30/2012	XX	BTXXXX234	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U					
5/21/2013	XX	BTXXXX24I	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U					
7/25/2013	XX	BTXXXX26C	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U					
10/1/2013	XX	BTXXXX286	5 U	5 U	5 U	5 U	10 U	25 U	25 U	75 U	5 U	5 U					
6/5/2014	XX	BTXXXX2A0	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
8/21/2014	XX	BTXXXX2BE	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/11/2014	XX	BTXXXX2D8	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/13/2014	XX	BTXXXX2D9	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
6/4/2015	XX	BTXXXX2F4	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
9/3/2015	XX	BTXXXX2GJ	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/4/2015	XX	BTXXXX2ID	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/5/2015	XX	BTXXXX2IE	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
6/16/2016	XX	BTXXXX323	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
9/22/2016	XX	BTXXXX33H	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/8/2016	XX	BTXXXX35B	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/10/2016	XX	BTXXXX35C	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
6/15/2017	XX	BTXXXX376	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
8/31/2017	XX	BTXXXX390	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/14/2017	XX	BTXXXX3AE	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/16/2017	XX	BTXXXX3AF	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
6/21/2018	XX	BTXXXX3C9RA	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
8/16/2018	XX	BTXXXX3D4	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/28/2018	XX	BTXXXX3FH	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
11/29/2018	XX	BTXXXX3FI	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
6/6/2019	XX	BTXXXX3HC	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
8/15/2019	XX	BTXXXX3I7RA	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
10/23/2019	XX	BTXXXX410	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					
10/24/2019	XX	BTXXXX411	3 U	5 U	5 U	5 U	10 U	100 U	100 U	100 U	5 U	5 U					

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

(QCBT)			Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylene	C9-C12 ALIPHATICS (ADJUSTED)	C9-C10 AROMATICS (ADJUSTED)	C5-C8 ALIPHATICS (ADJUSTED)	Methyltertiary butylether	Naphthalene
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

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

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

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

(301)			C9-C18 ALIPHATICS (ADJUSTED)	C19-C36 ALIPHATICS (ADJUSTED)	C11-C22 AROMATICS (ADJUSTED)	2-Methyl naphthalene	Acena phthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene				
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				
301																	
10/30/2012	XX	GW301X21C	96.2 U	96.2 U	96.2 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U				
10/1/2013	XX	GW301X26E	102 U	102 U	102 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U				
11/11/2014	XX	GW301X2BG	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/4/2015	XX	GW301X2H1	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/10/2016	XX	GW301X33J	94 U	94 U	380	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/14/2017	XX	GW301X392	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/28/2018	XX	GW301X3E5	95 U	95 U	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
10/23/2019	XX	GW301X3J8RA	93 U	93 U	93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
10/23/2019	XX	GW301X3J8RE	93 U	93 U	93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
302B																	
10/30/2012	XX	GW302B21D	96.2 U	96.2 U	96.2 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U				
10/1/2013	XX	GW302B26F	101 U	101 U	101 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U				
11/11/2014	XX	GW302B2BH	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/4/2015	XX	GW302B2H2	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/8/2016	XX	GW302B340	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/14/2017	XX	GW302B393	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/28/2018	XX	GW302B3E6	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
10/23/2019	XX	GW302B3J9	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
10/23/2019	XX	GW302B3J9RE	95 U	95 U	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
302C																	
10/30/2012	XX	GW302C21E	96.2 U	96.2 U	96.2 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U				
10/30/2012	XD	GWDP3X231	96.2 U	96.2 U	96.2	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U				
10/1/2013	XX	GW302C26G	101 U	101 U	101 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U				
10/1/2013	XD	GWDP1X281	101 U	101 U	101 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U				
11/11/2014	XX	GW302C2BI	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/11/2014	XD	GWDP1X2D3	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/4/2015	XX	GW302C2H3	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/4/2015	XD	GWDP1X2I8	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/8/2016	XD	GWDP1X356	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/8/2016	XX	GW302C341	95 U	95 U	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/14/2017	XD	GWDP1X3A9	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/14/2017	XX	GW302C394	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/28/2018	XD	GWDP1X3FC	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/28/2018	XX	GW302C3E7	150	1900	630	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
10/23/2019	XX	GW302C3JA	95 U	95 U	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
10/23/2019	XD	GWDP1X40F	93 U	93 U	93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
10/23/2019	XD	GWDP1X40FRE	92 U	92 U	92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U				
10/23/2019	XX	GW302C3JARE	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
LP																	
8/15/2012	XX	LTXXXX212	100 U	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U				
8/15/2012	XD	LTDP3X217	100 U	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U				
10/30/2012	XX	LTXXXX22G	101 U	101 U	101 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U				
5/21/2013	XX	LTXXXX24A	104 U	104 U	104 U	5.21 U	5.21 U	5.21 U	5.21 U	5.21 U	5.21 U	5.21 U	5.21 U				
7/25/2013	XX	LTXXXX264	100 U	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U				
10/1/2013	XX	LTXXXX27I	102 U	102 U	102 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U				
6/5/2014	XX	LTXXXX29C	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				

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

(LP) Date	Type	Sample ID	C9-C18 ALIPHATICS (ADJUSTED) ug/L	C19-C36 ALIPHATICS (ADJUSTED) ug/L	C11-C22 AROMATICS (ADJUSTED) ug/L	2-Methyl naphthalene ug/L	Acena phthylene ug/L	Acenaphthene ug/L	Fluorene ug/L	Phenanthrene ug/L	Anthracene ug/L	Fluoranthene ug/L	Pyrene ug/L				
8/21/2014	XX	LTXXXX2B6	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/13/2014	XX	LTXXXX2D0	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
6/4/2015	XX	LTXXXX2EG	95 U	95 U	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
9/3/2015	XX	LTXXXX2GB	95 U	95 U	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/5/2015	XX	LTXXXX2I5	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
6/16/2016	XX	LTXXXX31F	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
9/22/2016	XX	LTXXXX339RE	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/10/2016	XX	LTXXXX353	94 U	94 U	280	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
6/15/2017	XX	LTXXXX36I	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
8/31/2017	XX	LTXXXX38C	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/16/2017	XX	LTXXXX3A6	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
6/21/2018	XX	LTXXXX3C1RE	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
6/21/2018	XX	LTXXXX3C1	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
8/16/2018	XX	LTXXXX3CG	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
11/29/2018	XX	LTXXXX3F9	94 U	94 U	94 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
6/6/2019	XX	LTXXXX3H4	95 U	360	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
6/6/2019	XX	LTXXXX3H4RE	95 U	95 U	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
8/15/2019	XX	LTXXXX3HJRE	95 U	95 U	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
10/24/2019	XX	LTXXXX40C	93 U	93 U	93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U				
10/24/2019	XX	LTXXXX40CRE	99 U	99 U	99 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U				

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

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

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4 BLANCHARD ROAD
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(301) Date	Type	Sample ID	Naphthalene (EPH) ug/L	Benzo(a) Anthracene ug/L	Chrysene ug/L	Benzo(b) Fluoranthene ug/L	Benzo(k) Fluoranthene ug/L	Benzo(a) Pyrene ug/L	Indeno(1,2,3-c,d) Pyrene ug/L	Dibenz(a,h) Anthracene ug/L	Benzo(g,h,i) perylene ug/L						
301																	
10/30/2012	XX	GW301X21C		4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U						
10/1/2013	XX	GW301X26E		5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U						
11/11/2014	XX	GW301X2BG		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/4/2015	XX	GW301X2H1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/10/2016	XX	GW301X33J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/14/2017	XX	GW301X392	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/28/2018	XX	GW301X3E5	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
10/23/2019	XX	GW301X3J8RA	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
10/23/2019	XX	GW301X3J8RE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
302B																	
10/30/2012	XX	GW302B21D		4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U						
10/1/2013	XX	GW302B26F		5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U						
11/11/2014	XX	GW302B2BH		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/4/2015	XX	GW302B2H2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/8/2016	XX	GW302B340	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/14/2017	XX	GW302B393	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/28/2018	XX	GW302B3E6	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
10/23/2019	XX	GW302B3J9	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
10/23/2019	XX	GW302B3J9RE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
302C																	
10/30/2012	XX	GW302C21E		4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U						
10/30/2012	XD	GWDP3X231		4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U						
10/1/2013	XX	GW302C26G		5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U						
10/1/2013	XD	GWDP1X281		5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U						
11/11/2014	XX	GW302C2BI		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/11/2014	XD	GWDP1X2D3		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/4/2015	XX	GW302C2H3	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/4/2015	XD	GWDP1X2I8	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/8/2016	XD	GWDP1X356	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/8/2016	XX	GW302C341	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/14/2017	XD	GWDP1X3A9	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/14/2017	XX	GW302C394	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/28/2018	XD	GWDP1X3FC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/28/2018	XX	GW302C3E7	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
10/23/2019	XX	GW302C3JA	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
10/23/2019	XD	GWDP1X40F	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
10/23/2019	XD	GWDP1X40FRE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U						
10/23/2019	XX	GW302C3JARE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
LP																	
8/15/2012	XX	LTXXXX212		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
8/15/2012	XD	LTDP3X217		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
10/30/2012	XX	LTXXXX22G		5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U						
5/21/2013	XX	LTXXXX24A		5.21 U	5.21 U	5.21 U	5.21 U	5.21 U	5.21 U	5.21 U	5.21 U						
7/25/2013	XX	LTXXXX264		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
10/1/2013	XX	LTXXXX27I		5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U						
6/5/2014	XX	LTXXXX29C		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						

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4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LP) Date	Type	Sample ID	Naphthalene (EPH) ug/L	Benzo(a) Anthracene ug/L	Chrysene ug/L	Benzo(b) Fluoranthene ug/L	Benzo(k) Fluoranthene ug/L	Benzo(a) Pyrene ug/L	Indeno(1,2,3-c,d) Pyrene ug/L	Dibenz(a,h) Anthracene ug/L	Benzo(g,h,i) perylene ug/L						
8/21/2014	XX	LTXXXX2B6		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/13/2014	XX	LTXXXX2D0		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
6/4/2015	XX	LTXXXX2EG	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
9/3/2015	XX	LTXXXX2GB	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/5/2015	XX	LTXXXX2I5	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
6/16/2016	XX	LTXXXX31F	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
9/22/2016	XX	LTXXXX339RE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/10/2016	XX	LTXXXX353	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
6/15/2017	XX	LTXXXX36I	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
8/31/2017	XX	LTXXXX38C	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/16/2017	XX	LTXXXX3A6	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
6/21/2018	XX	LTXXXX3C1RE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
6/21/2018	XX	LTXXXX3C1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
8/16/2018	XX	LTXXXX3CG	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
11/29/2018	XX	LTXXXX3F9	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
6/6/2019	XX	LTXXXX3H4	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
6/6/2019	XX	LTXXXX3H4RE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
8/15/2019	XX	LTXXXX3HJRE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
10/24/2019	XX	LTXXXX40C	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U						
10/24/2019	XX	LTXXXX40CRE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U						

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

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

APPENDIX C-2

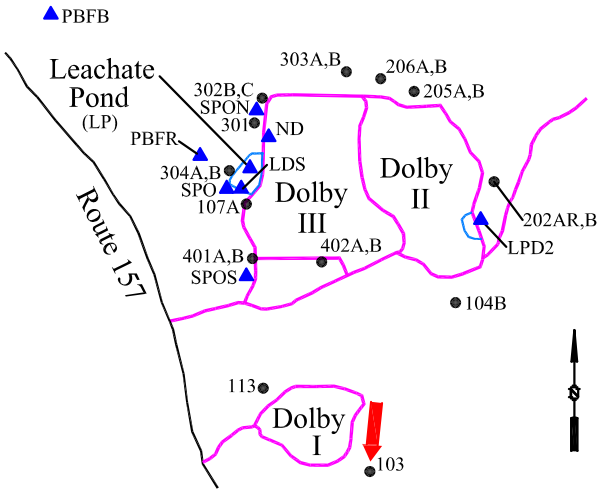
WELL EVALUATION DATA SUMMARY SHEETS WITH BOX AND WHISKER PLOTS

SME
SEVEE & MAHER
ENGINEERS

Well Description

Well located upgradient to southeast of Dolby I Landfill.

Screen Interval:	**Unknown TOS to 15 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-82**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		↑59	↑45	D	23	to 34	29	± 1	42
pH (STU)		7.6	7	D	4.58	to 9.1	6.3	± 0.076	42
Dissolved Oxygen (mg/L)		12.7	12.3	D	1	to 14.3	8.5	± 0.44	41

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

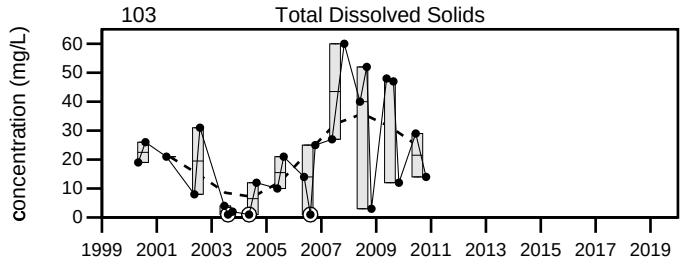
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

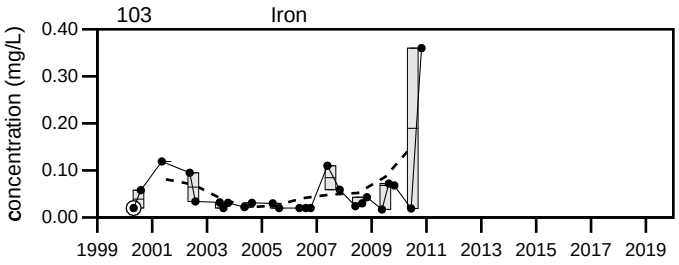
Comments

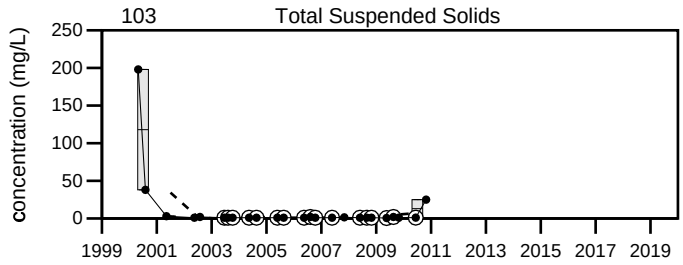
Q2= 6 - 2019 D = The sampling location was dry.

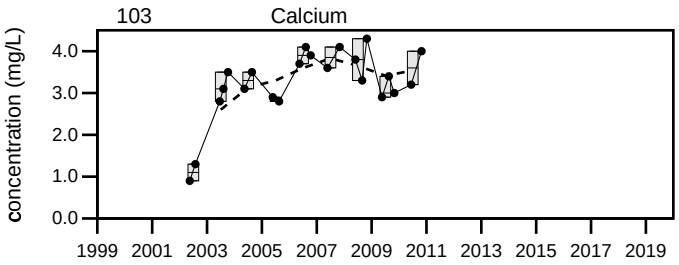
Q3= 8 - 2019

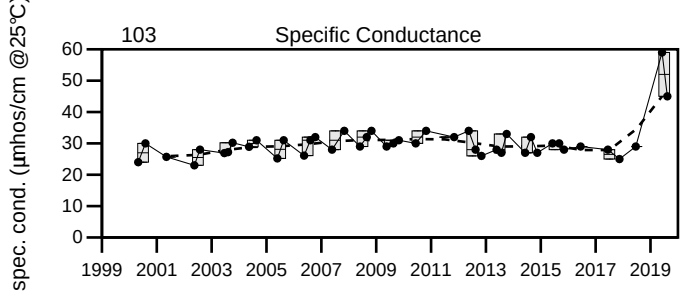
Q4= 10 - 2019

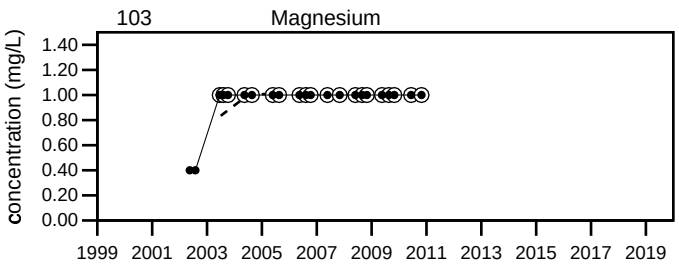


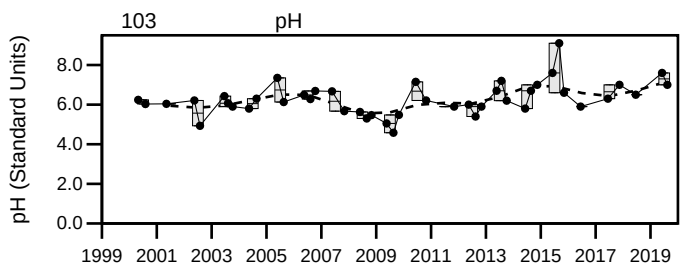


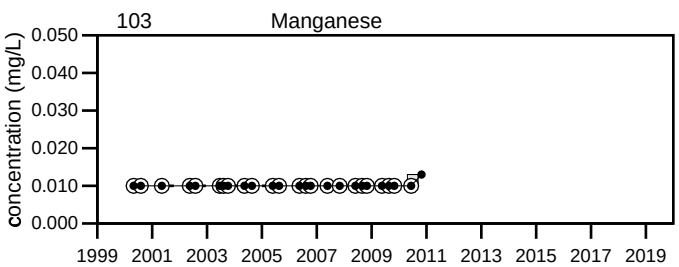


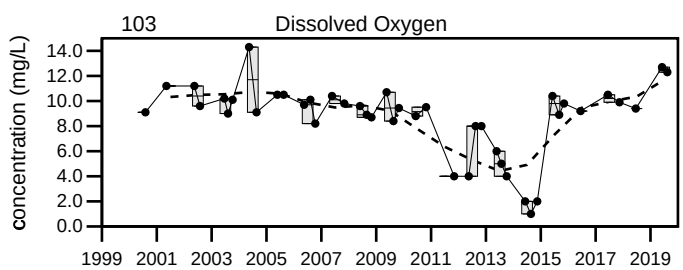


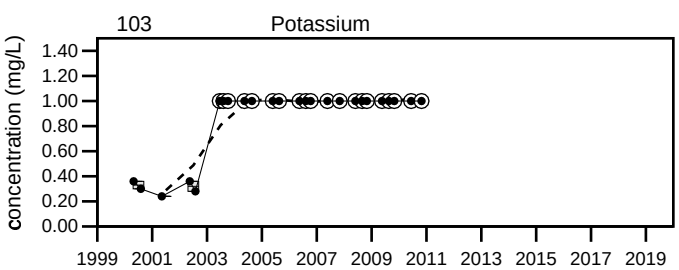


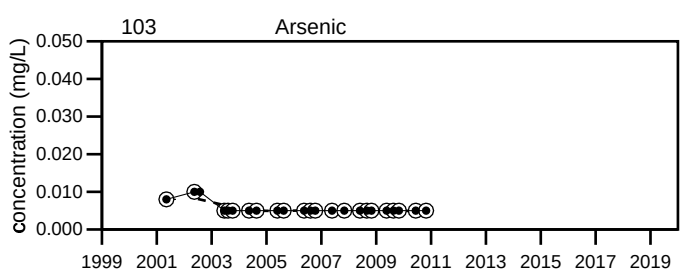


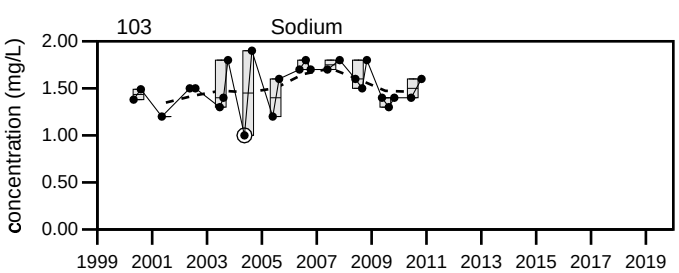


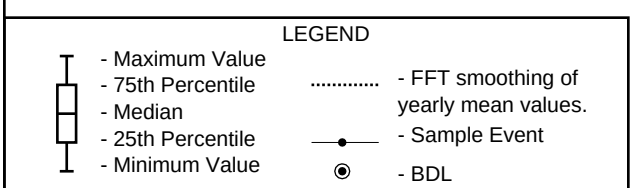












Dolby Landfill

103

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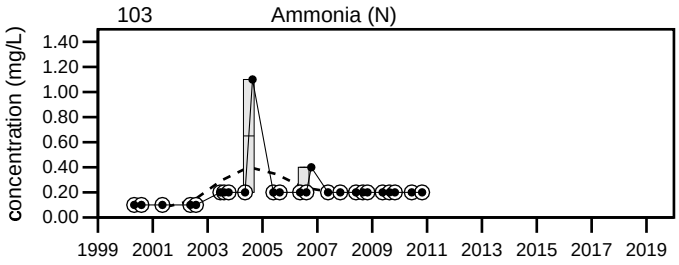
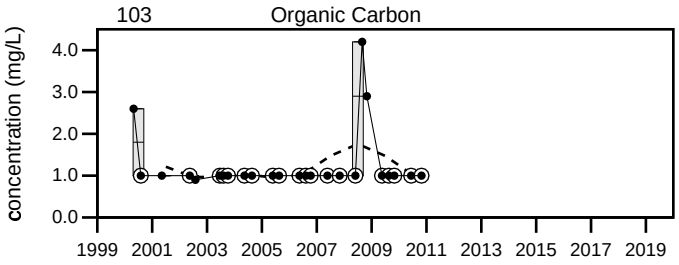
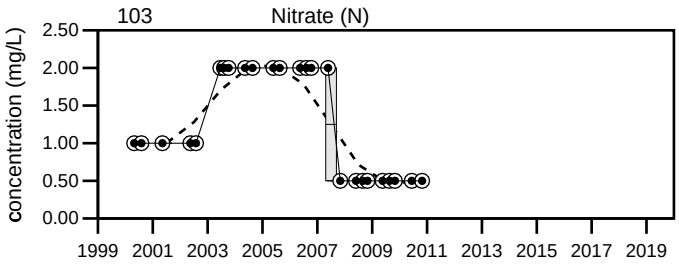
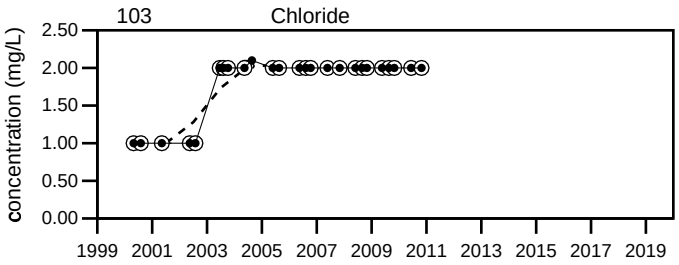
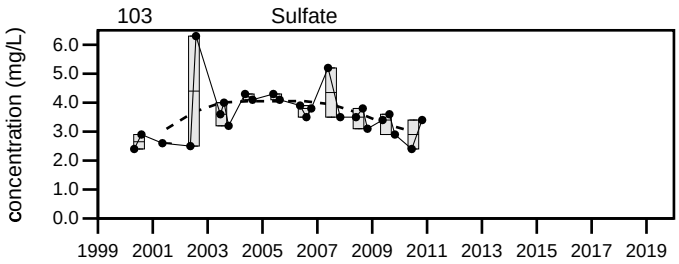
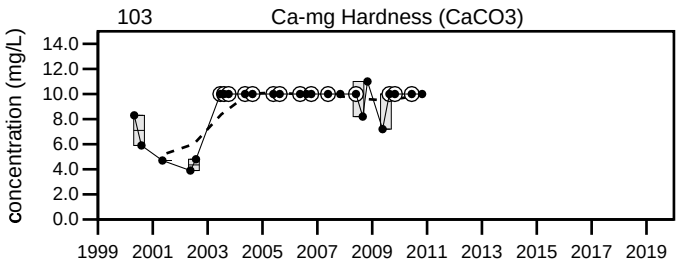


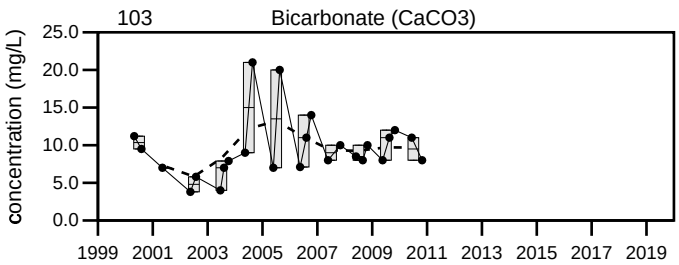


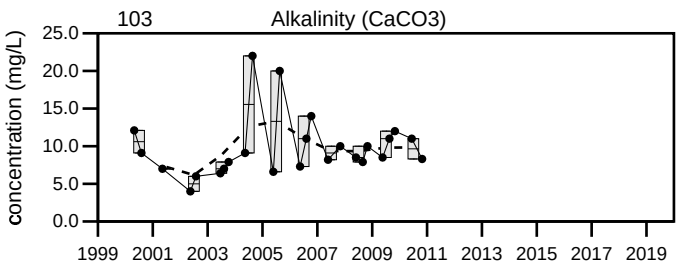


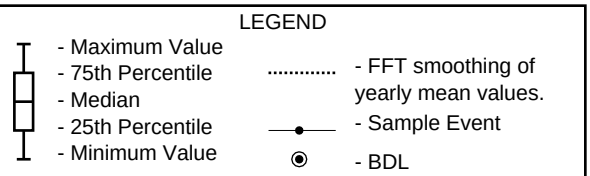












Dolby Landfill

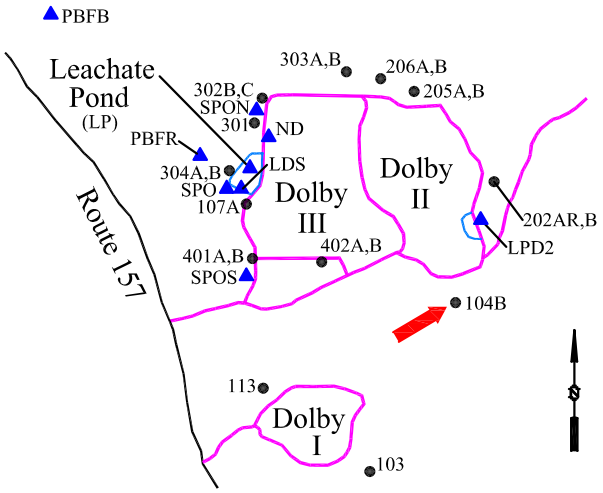
103

Sevee & Maher Engineers, Inc.

Well Description

Well located upgradient to south of Dolby II Landfill.

Screen Interval:	**Unknown TOS to 37 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Mar-82**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		100	120	130	34	140	91	2.6	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	186	5.3	3.2	57
Specific Conductance (µmhos/cm @25°C)		140	140	162	113	174	140	1.4	57
pH (STU)		7.8	8.3	7.1	6.34	8.5	7.7	0.04	57
Dissolved Oxygen (mg/L)		↑4.6	↑5.5	↑5	0.2	4	0.99	0.073	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.01 U	0.0062	0.000	55
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.01 U	0.329	0.046	0.005	57
Calcium (mg/L)		23.7	22.5	22.1	9.1	27	21	0.48	51
Magnesium (mg/L)		1.84	1.78	1.78	1.5	2.01	1.7	0.018	51
Manganese (mg/L)		↓0.0132	0.0144	↓0.0079	0.014	0.132	0.04	0.003	57
Potassium (mg/L)		1.04	1 U	1.03	0.91	1.3	1	0.01	57
Sodium (mg/L)		4.62	4.38	4.81	3.3	5.1	4.3	0.056	57
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	0.9	0.14	0.008	57
Nitrate (N) (mg/L)		0.092	0.076	0.082	0.05 U	2 U	0.73	0.094	57
Sulfate (mg/L)		18	18	17	15	19	16	0.22	57
Ca-mg Hardness (CaCO3) (mg/L)		66.8	63.5	62.5	29.2	75	58	1.3	57
Bicarbonate (CaCO3) (mg/L)		54	53	50	37	57	48	0.48	57
Alkalinity (CaCO3) (mg/L)		54	53	50	37	57	49	0.39	57
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	2.2	2.3	0.26	57
Chloride (mg/L)		2 U	3.4	2.3	1	3.9	2.9	0.15	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

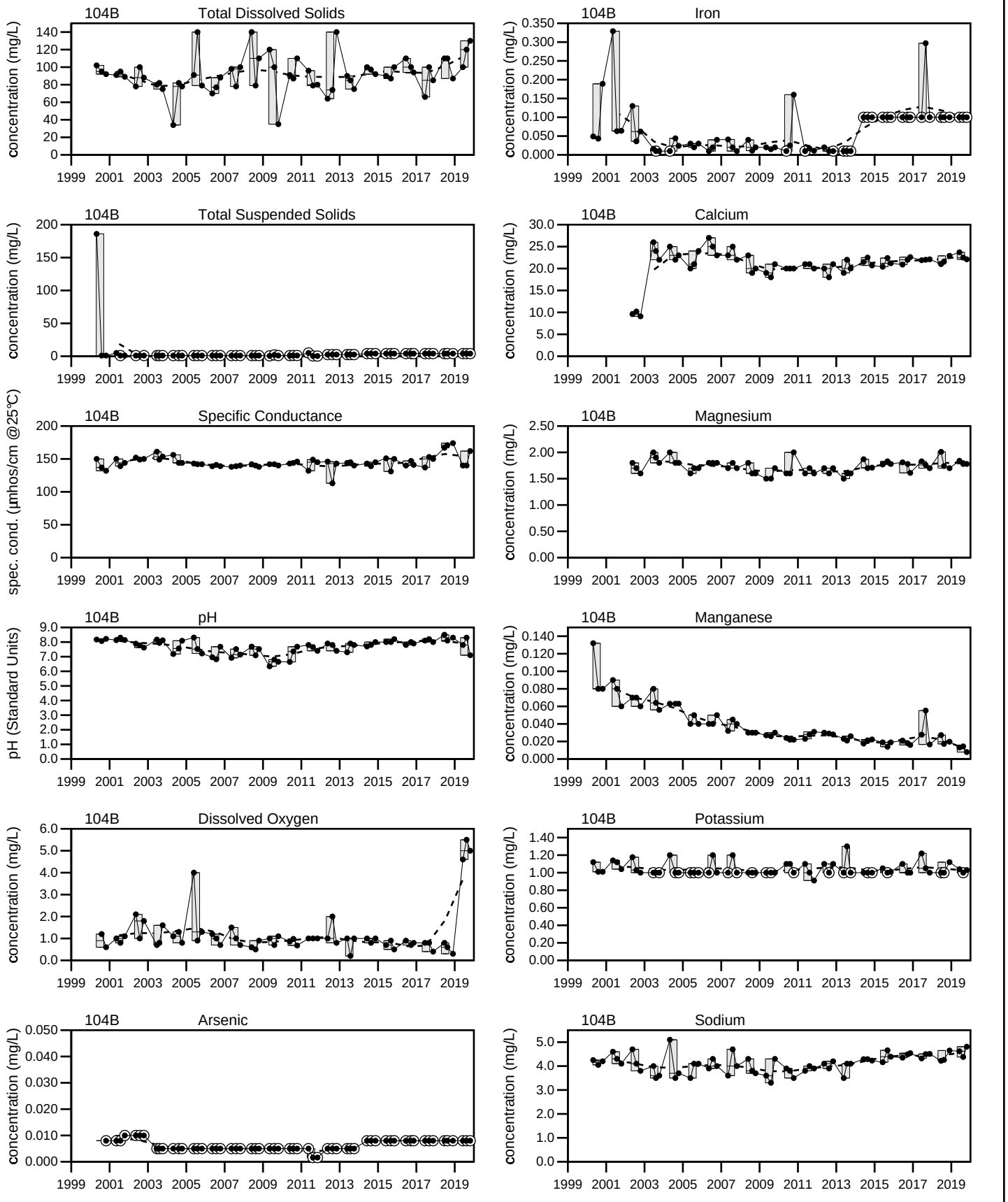
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

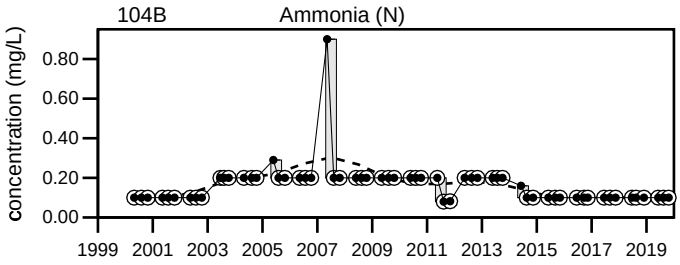
Q4= 10 - 2019

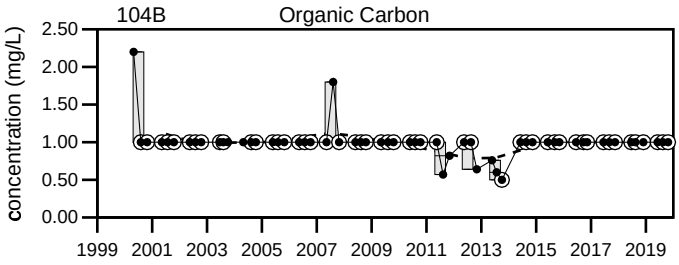


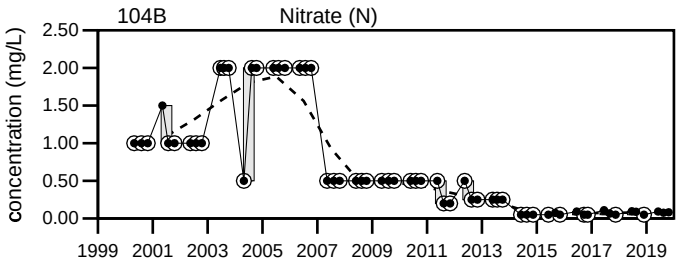
Dolby Landfill

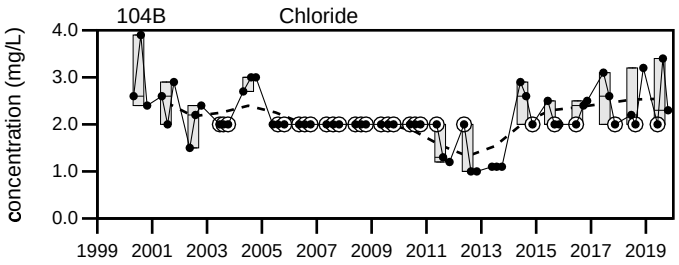
104B

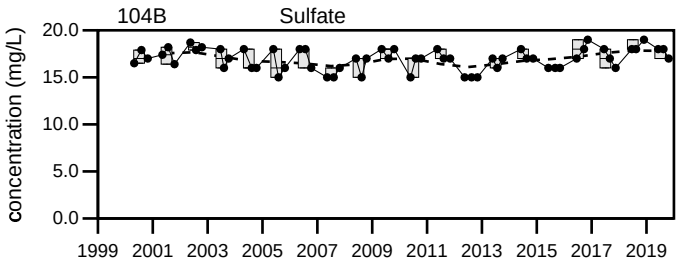
Sevee & Maher Engineers, Inc.

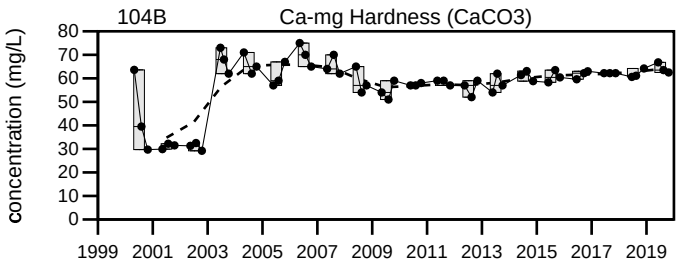


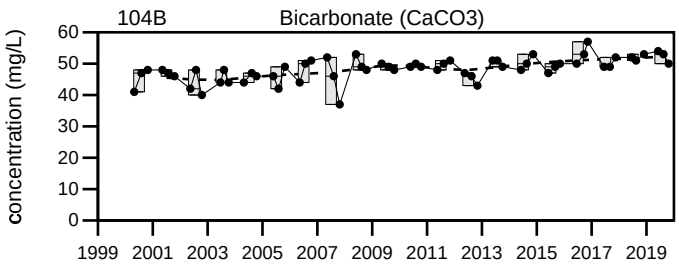


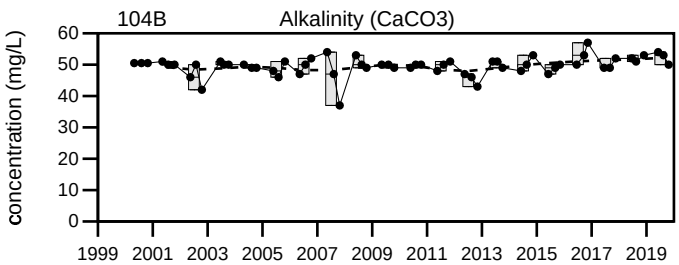


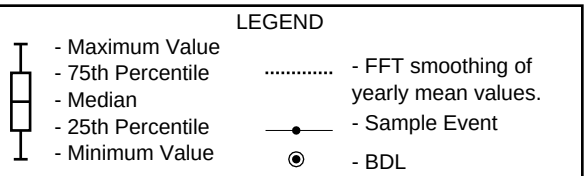












Dolby Landfill

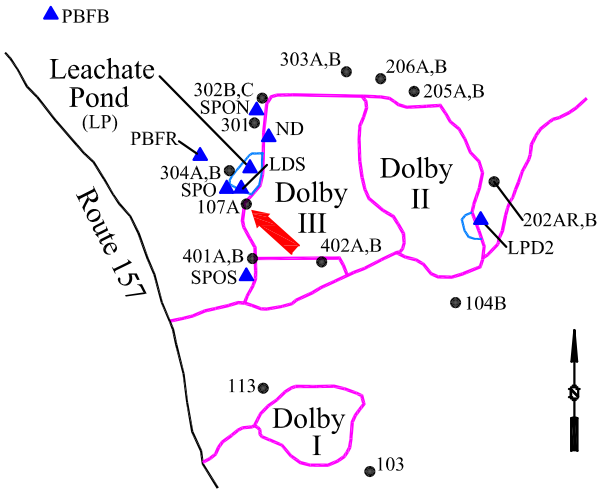
104B

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the west of the Dolby III Landfill.

Screen Interval:	**Unknown TOS to 19.36 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-82**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Intiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		760	610	540	280	1834	690	50	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	43	3.2	0.74	57
Specific Conductance (µmhos/cm @25°C)		653	1000	914	477	2710	740	52	57
pH (STU)		7.2	6.9	7.1	5.98	7.3	6.7	0.03	57
Dissolved Oxygen (mg/L)		0.1 U	↑3.5	0.5	0.1	2	0.65	0.046	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.043	0.0077	0.001	55
Iron (mg/L)		0.1 U	0.1 U	0.197	0.02 U	1.85	0.28	0.035	57
Calcium (mg/L)		74.3	80.5	84.3	50	370.2	110	9.1	51
Magnesium (mg/L)		56.6	65.4	63.9	18.6	140	59	4.9	51
Manganese (mg/L)		**8.16**	**17**	**18.6**	0.79	72.5	21	2.3	57
Potassium (mg/L)		10.6	9.96	15.6	1.1	28.9	4.8	0.71	57
Sodium (mg/L)		**27.1**	**28.2**	**32.3**	12	93.2	25	2	57
Ammonia (N) (mg/L)		0.1 U	0.21	0.92	0.08 U	2.2	0.19	0.023	57
Nitrate (N) (mg/L)		0.22	0.05 U	0.05 U	0.05 U	2	0.84	0.11	57
Sulfate (mg/L)		3.4	10	6.2	1 U	15.4	9.8	0.38	57
Ca-mg Hardness (CaCO3) (mg/L)		419	470	474	200	1548.1	420	30	57
Bicarbonate (CaCO3) (mg/L)		570	540	500	240	1429	550	38	57
Alkalinity (CaCO3) (mg/L)		570	540	500	250	1440	570	40	57
Organic Carbon (mg/L)		6.5	7.9	7.6	1.5	62.6	8.3	0.97	57
Chloride (mg/L)		56	36	24	14	222	48	4.1	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

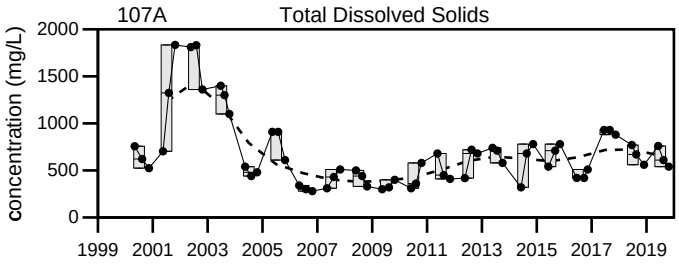
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

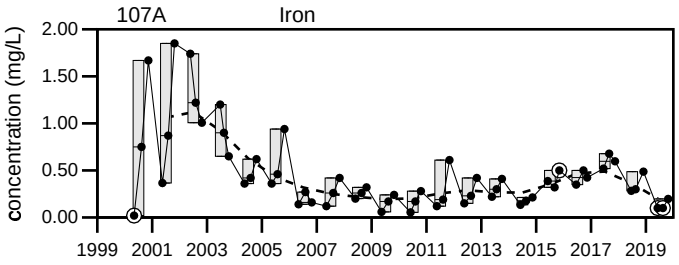
Comments

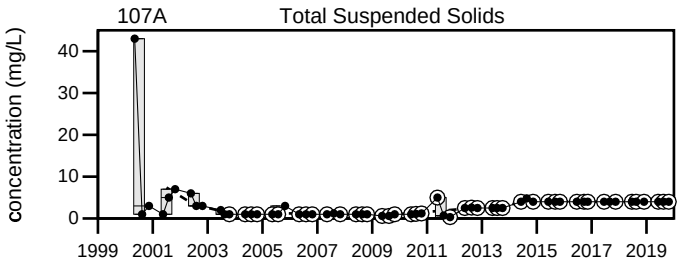
Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

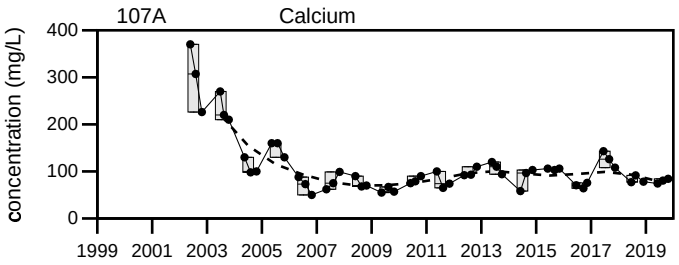
Q3= 8 - 2019

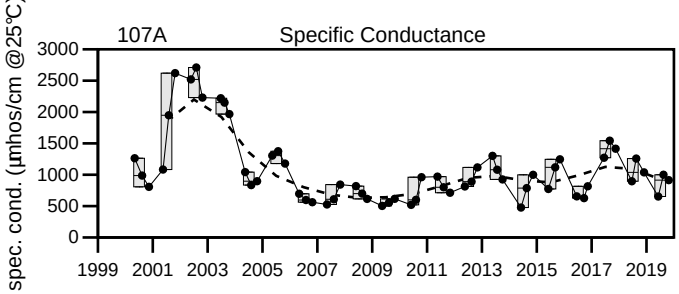
Q4= 10 - 2019

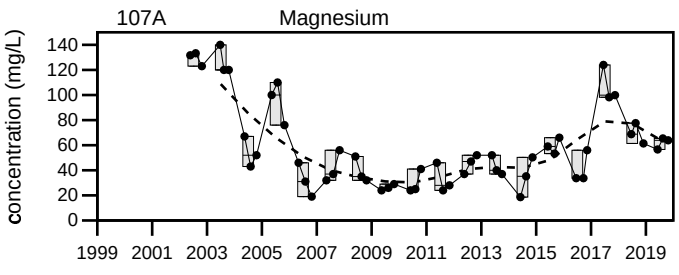


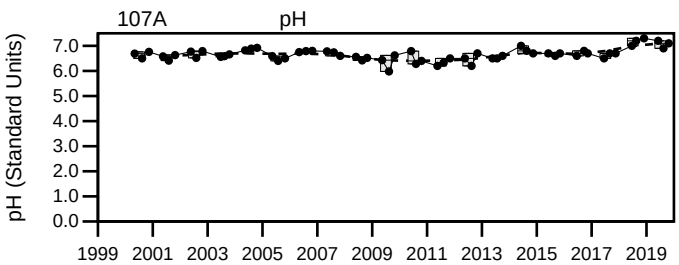


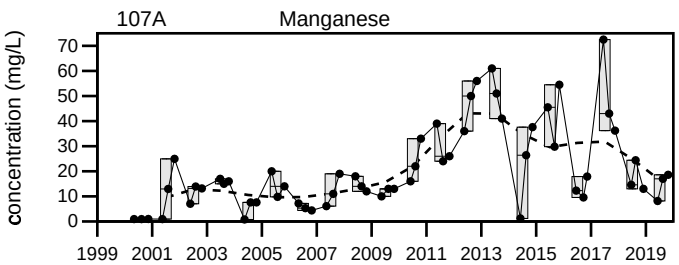


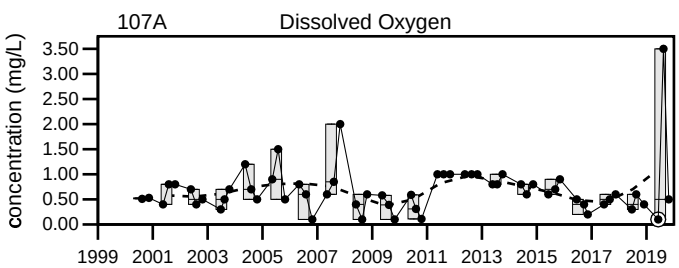


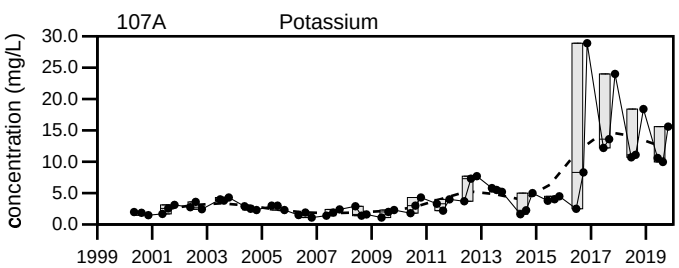


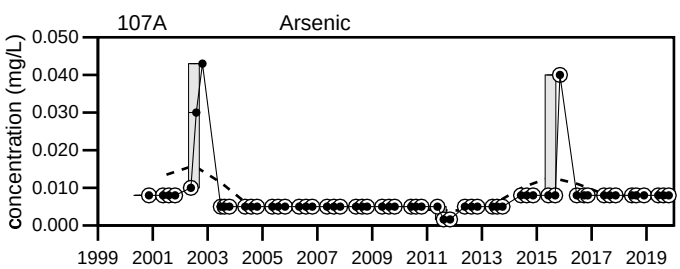


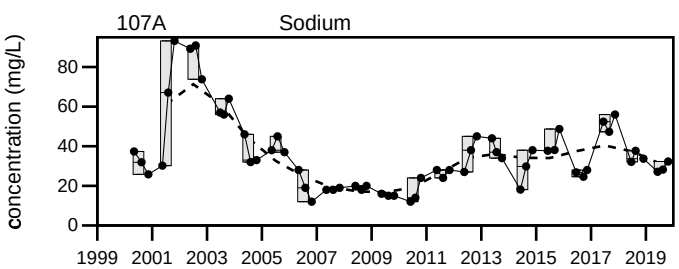


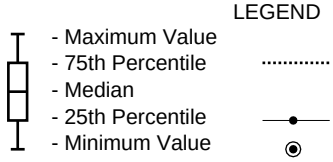








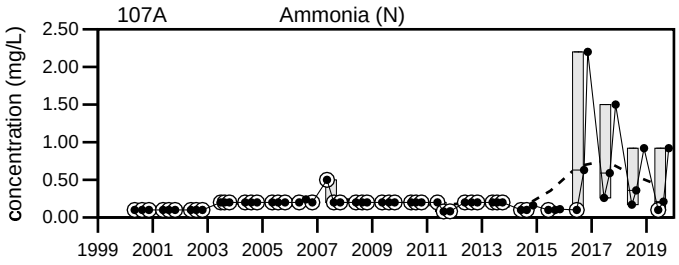


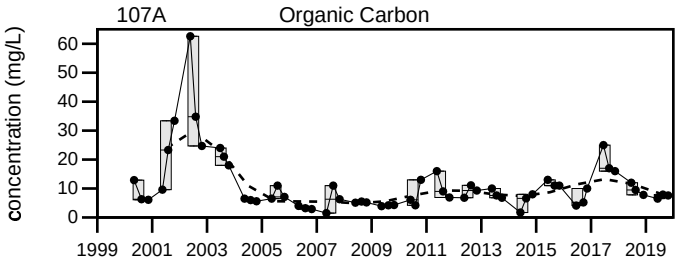


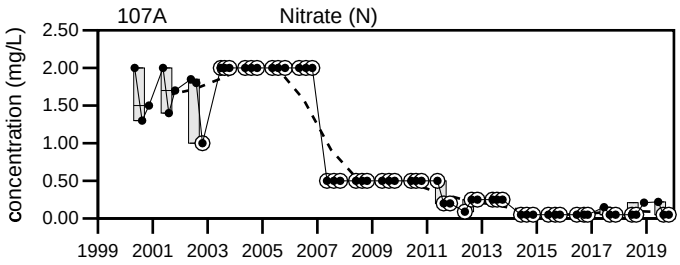
Dolby Landfill

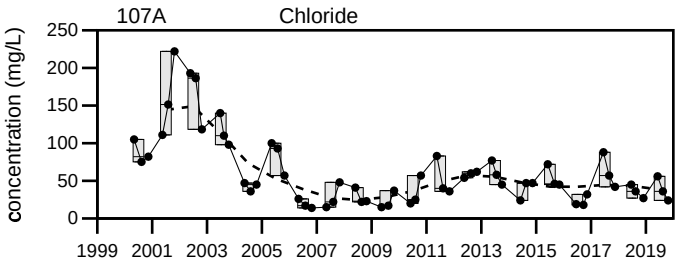
107A

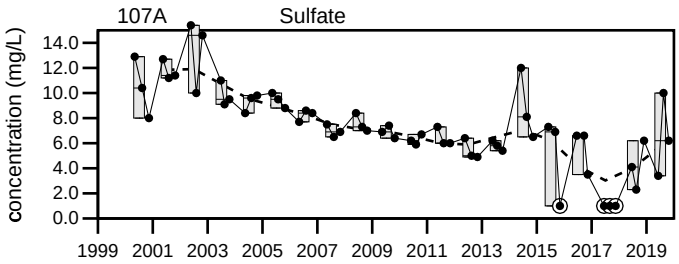
Sevee & Maher Engineers, Inc.

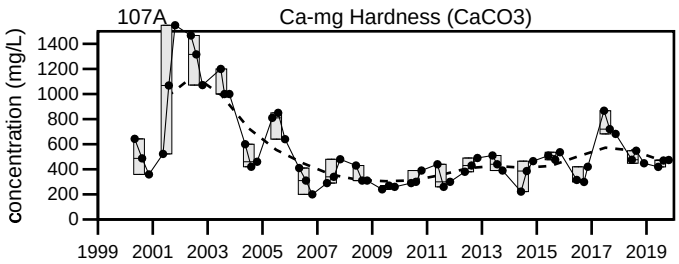


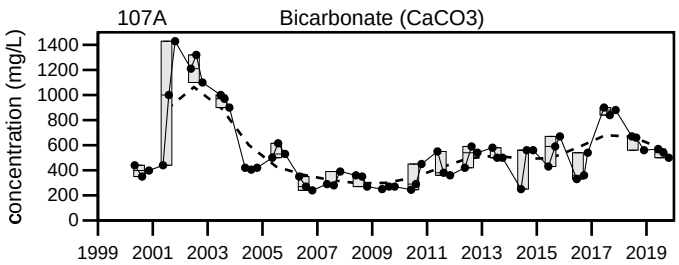


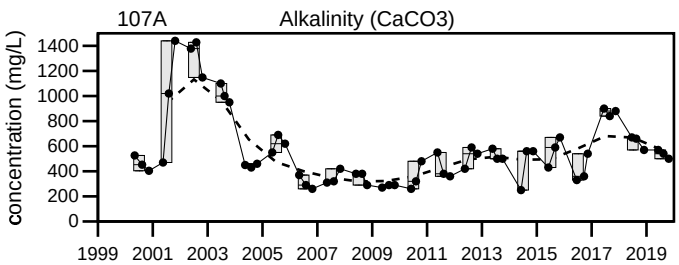


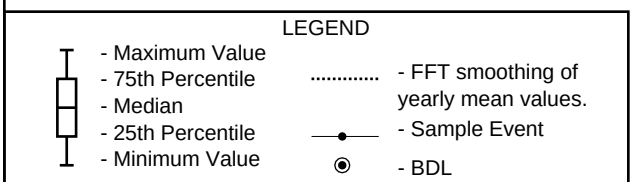












Dolby Landfill

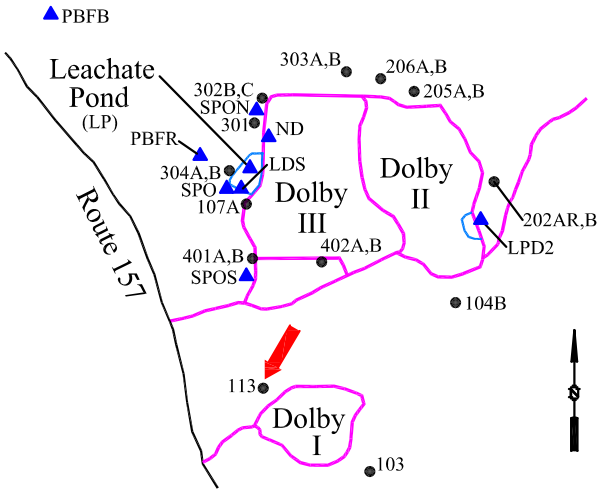
107A

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to northwest of Dolby I Landfill.

Screen Interval:	**Unknown TOS to 21.6 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Nov-83**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		↓910	↓767	↓777	924	to 1504	1300	± 25	54
pH (STU)		↑7.1	6.9	↑7.3	6	to 6.9	6.5	± 0.02	54
Dissolved Oxygen (mg/L)		↑9.9	↑3.2	↑8.3	0.1	to 3	0.73	± 0.074	53

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

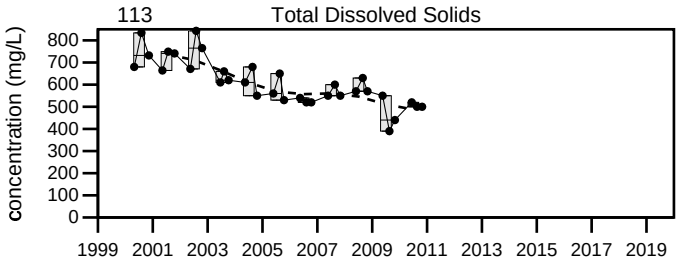
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

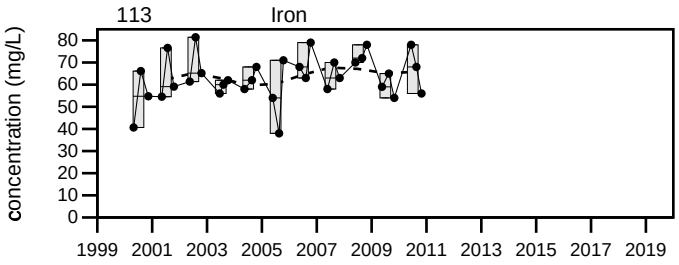
Comments

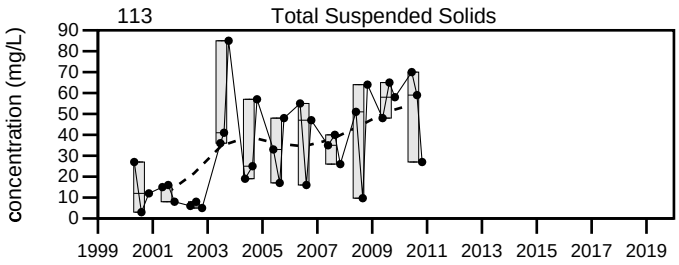
Q2= 6 - 2019

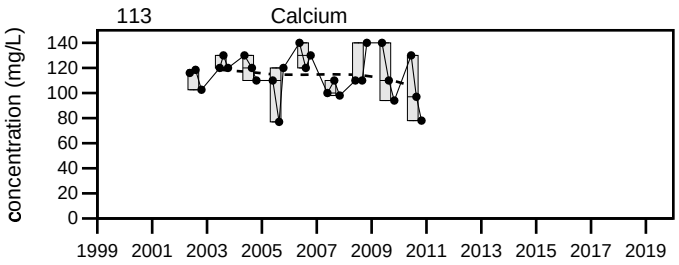
Q3= 8 - 2019

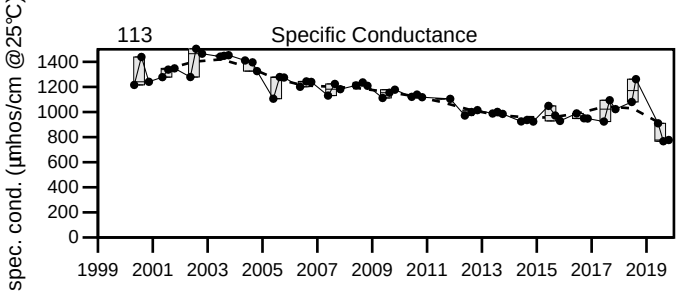
Q4= 10 - 2019

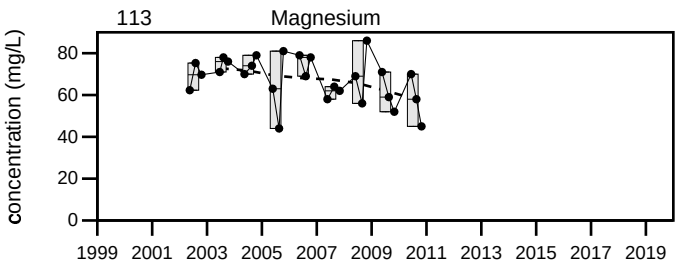


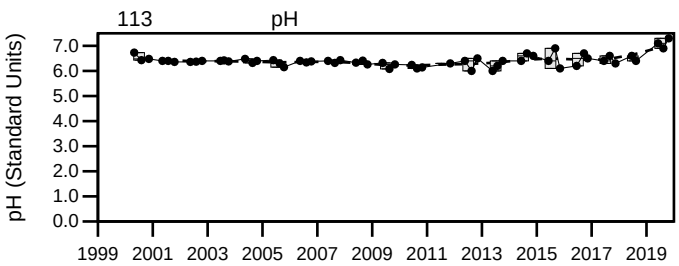


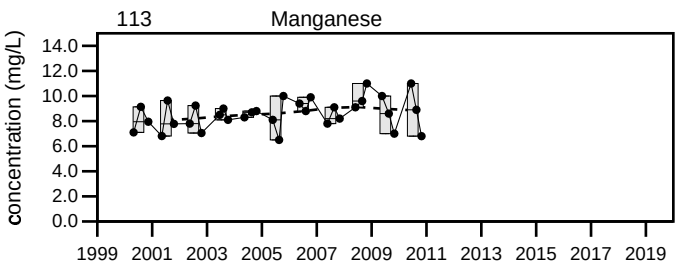


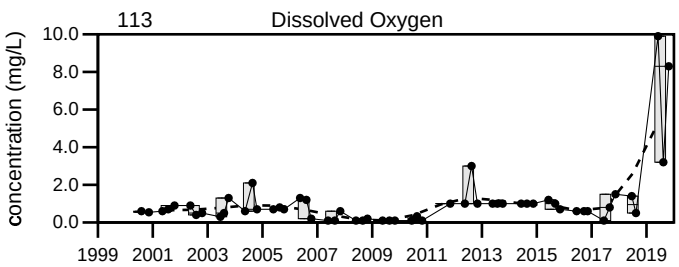


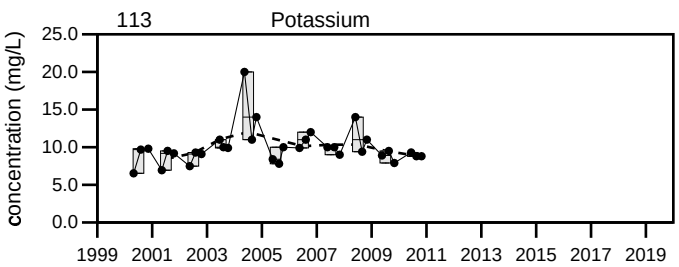


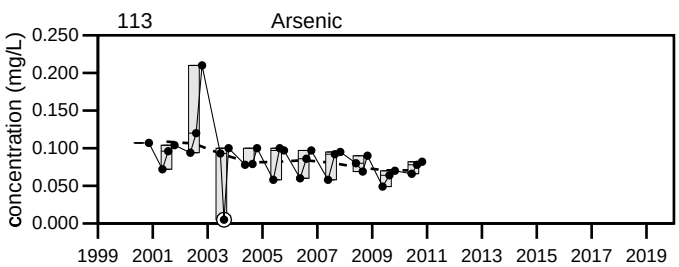


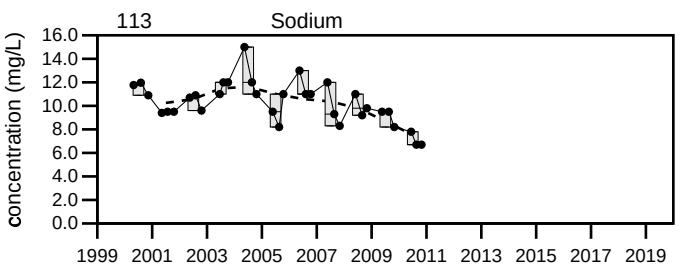


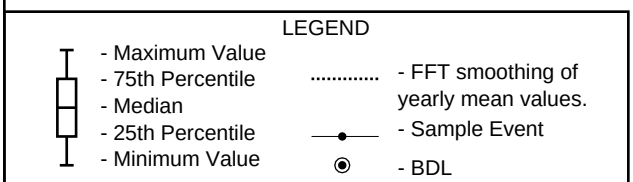








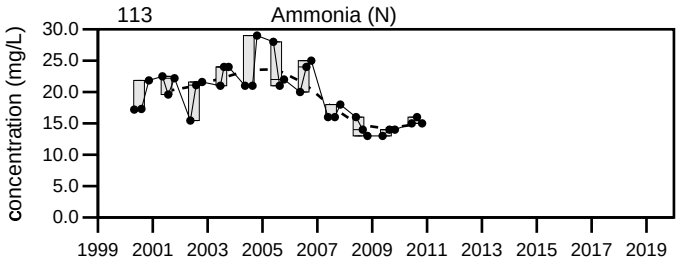


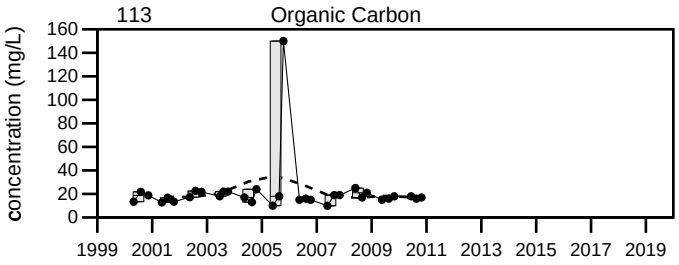


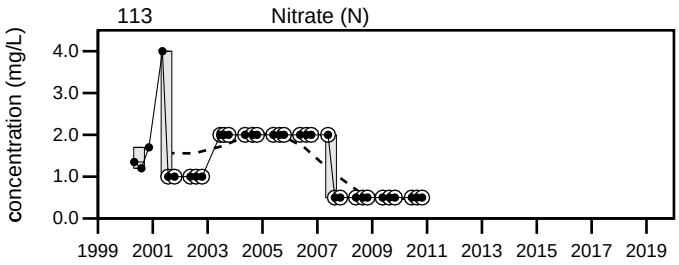
Dolby Landfill

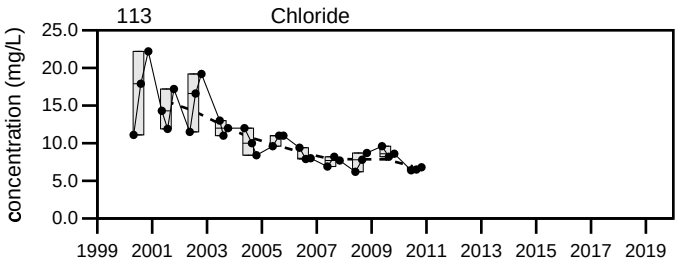
113

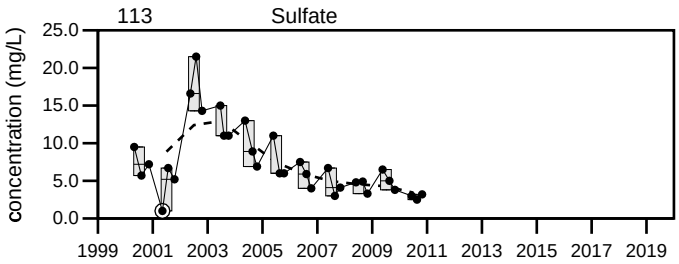
Sevee & Maher Engineers, Inc.

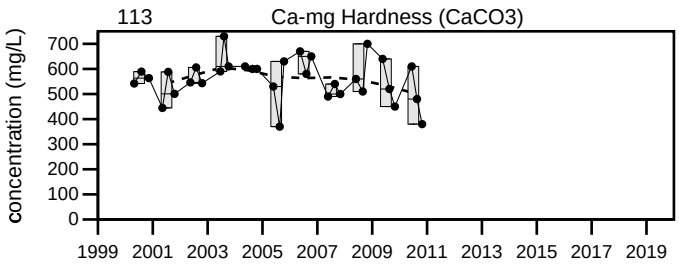


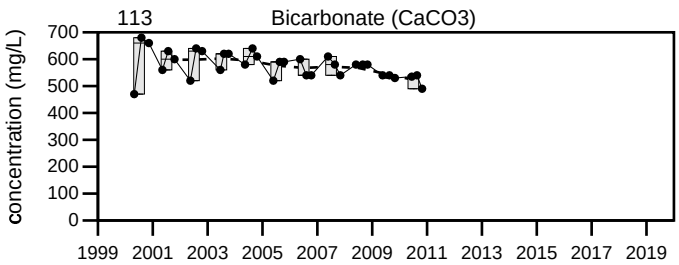


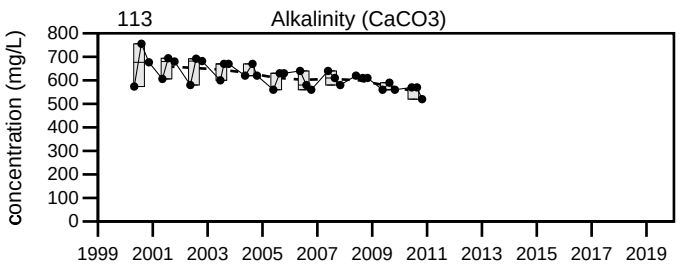


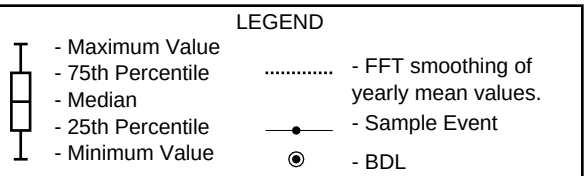












Dolby Landfill

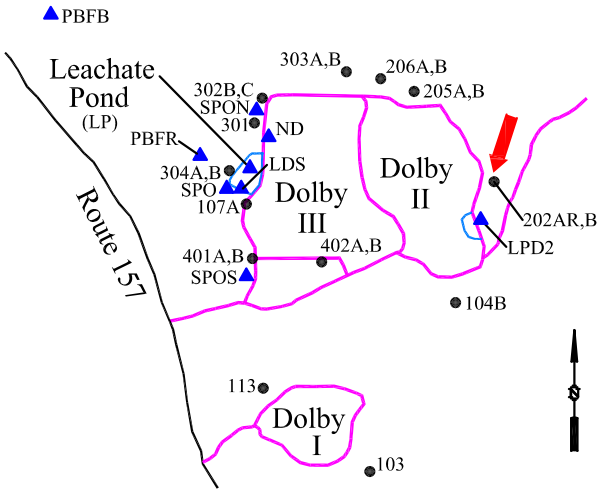
113

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the east of the Dolby II Landfill.

Screen Interval:	**71.5 ft. to 81.5 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Oct-94**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		950	880	860	840	1176	990	11	56
Total Suspended Solids (mg/L)		4 U	4 U	5.6	0.6 U	17	3.2	0.32	56
Specific Conductance (µmhos/cm @25°C)		1418	1403	1410	1394	1995	1700	17	56
pH (STU)		6.6	6.6	↑6.9	6.06	6.8	6.6	0.016	56
Dissolved Oxygen (mg/L)		2.8	1.6	0.4	0.1	5.56	0.97	0.15	55
Arsenic (mg/L)		**0.026**	**0.016**	**0.014**	0.005 U	0.071	0.013	0.002	54
Iron (mg/L)		1.66	1.48	1.58	0.35	2.04	1.1	0.057	56
Calcium (mg/L)		204	198	190	122.8	500	240	8.5	50
Magnesium (mg/L)		71.6	75	75	39.5	130	83	2.1	50
Manganese (mg/L)		**15**	**14.5**	**14.5**	14.5	26	18	0.34	56
Potassium (mg/L)		12.6	12.9	12.7	8.32	17	13	0.25	56
Sodium (mg/L)		**21.5**	**22.1**	**21.6**	21.2	39	27	0.45	56
Ammonia (N) (mg/L)		3.5	3.4	3.2	0.784	4.8	2.6	0.11	56
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	2.7	0.85	0.11	56
Sulfate (mg/L)		1 U	1 U	1 U	1 U	12.5	5.8	0.39	56
Ca-mg Hardness (CaCO3) (mg/L)		804	802	784	469.3	1700	950	23	56
Bicarbonate (CaCO3) (mg/L)		860	910	850	98	1105	910	16	56
Alkalinity (CaCO3) (mg/L)		860	910	850	100	1110	950	18	56
Organic Carbon (mg/L)		9.2	9.4	9.5	7.5	47	14	0.6	56
Chloride (mg/L)		↓15	18	↓15	16	41.2	30	2.1	56

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 179
Printed: 3/5/2020 14:27

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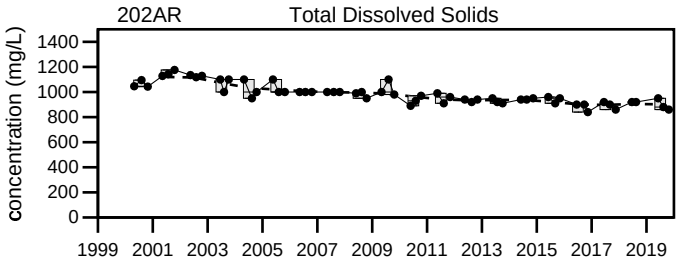
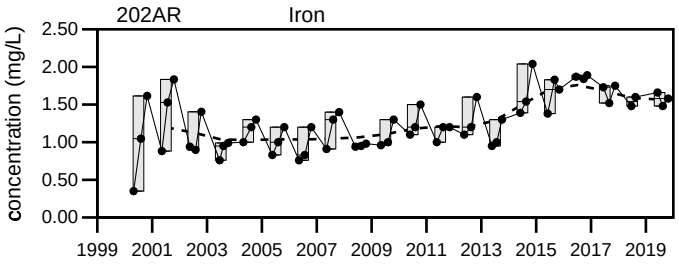
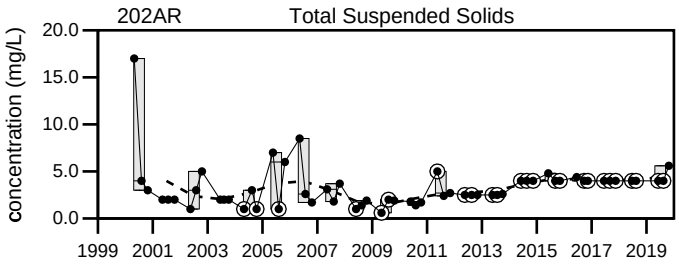
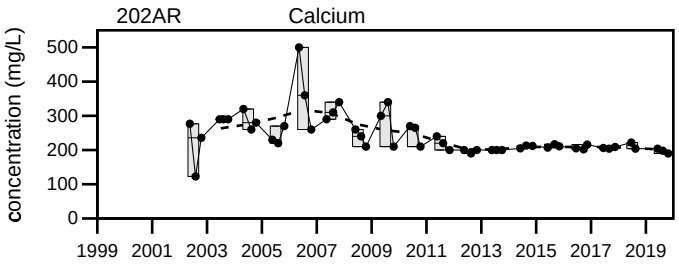
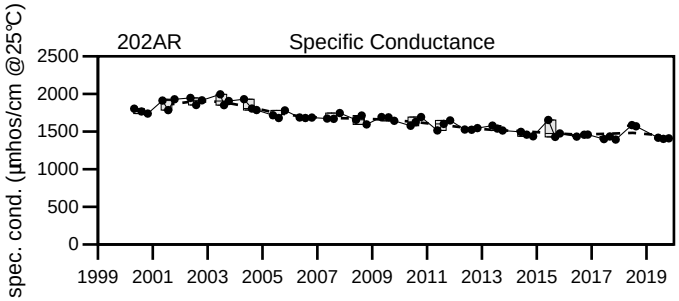
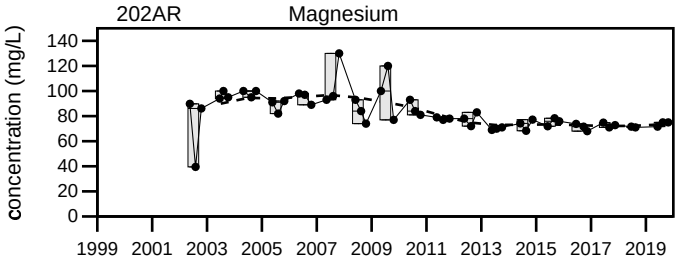


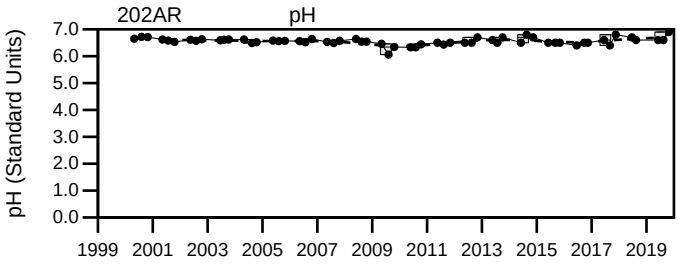


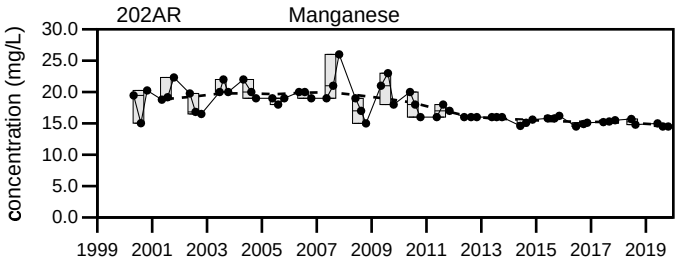


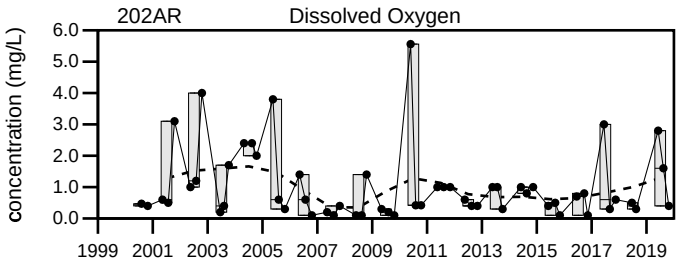


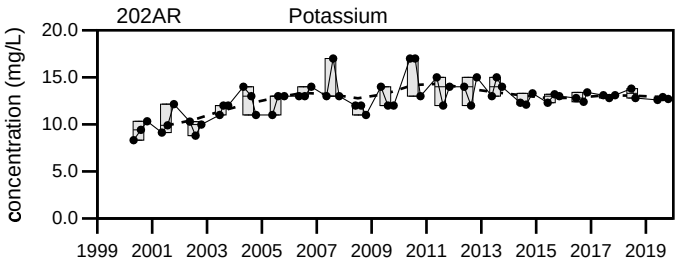


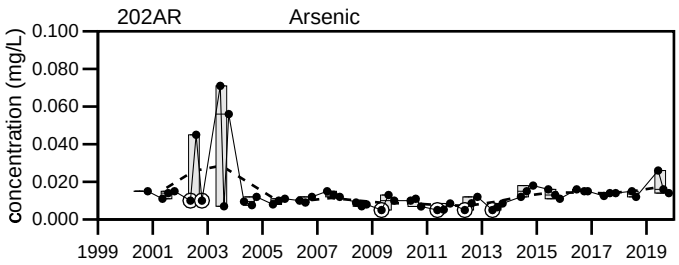


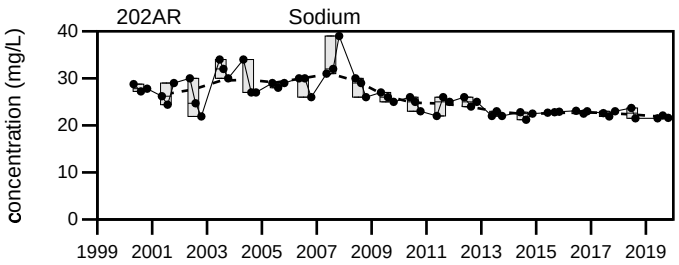


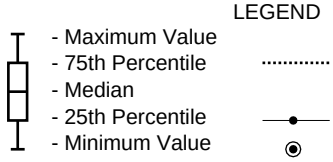








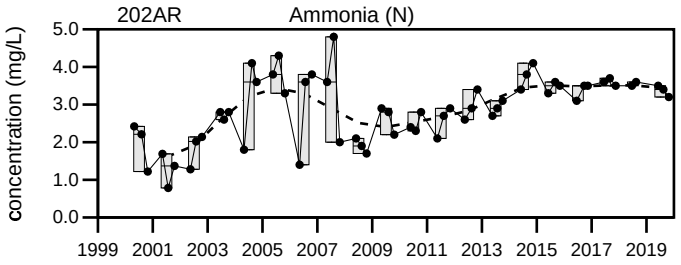


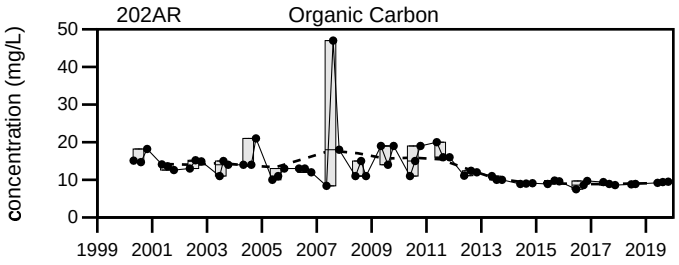


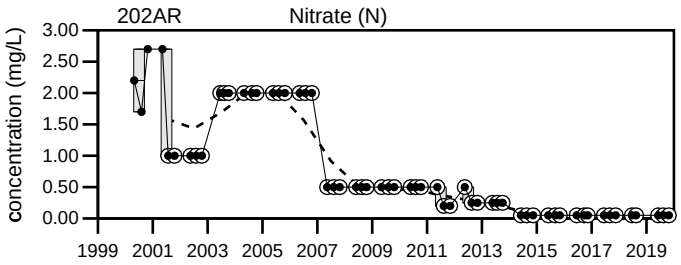
Dolby Landfill

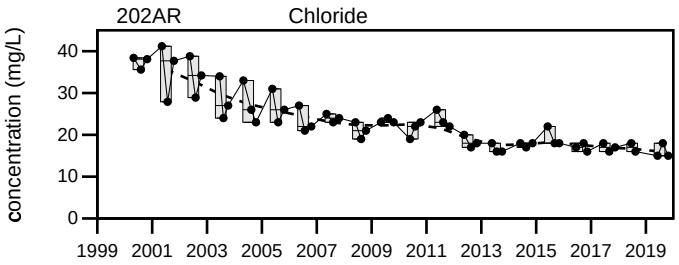
202AR

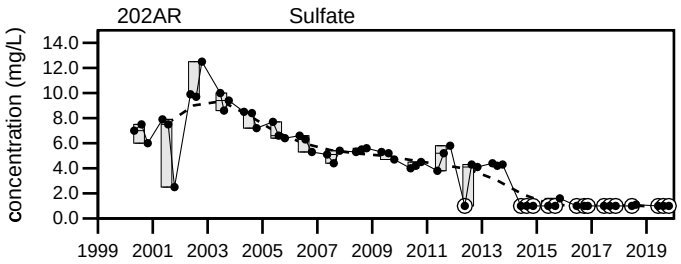
Sevee & Maher Engineers, Inc.

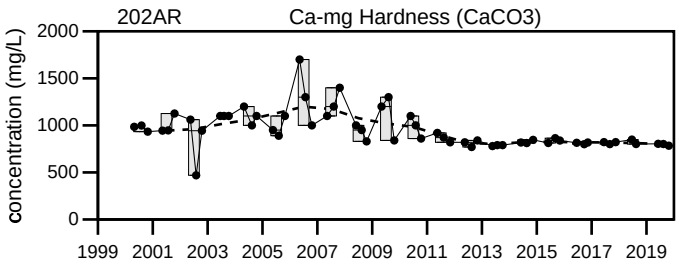


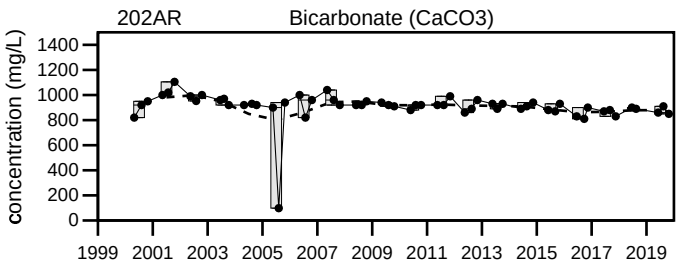


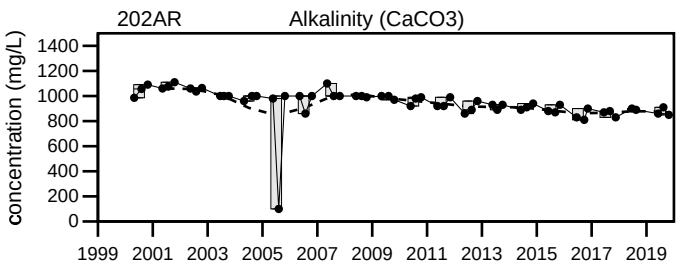


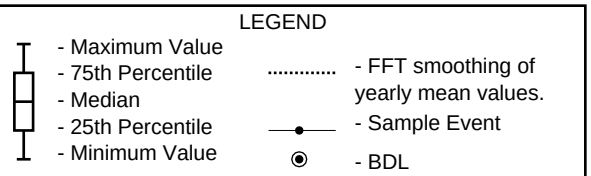












Dolby Landfill

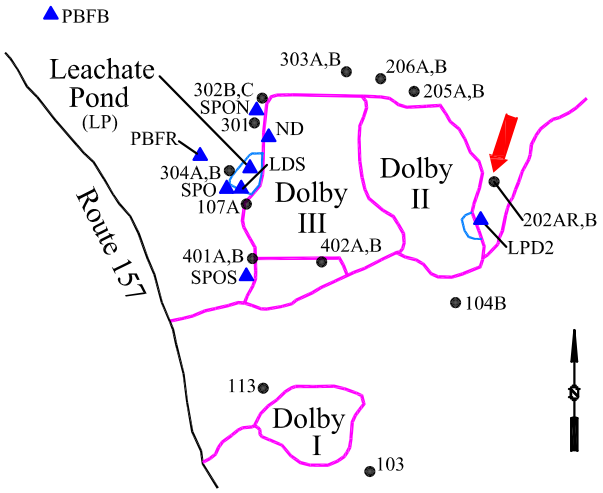
202AR

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the east of the Dolby II Landfill.

Screen Interval:	**5.4 ft. to 10.5 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Mar-82**
Material Screened:	**Glacial Till/Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		390	600	620	380	1241	670	28	54
Total Suspended Solids (mg/L)		8.8	4 U	6.8	1 U	540	29	11	54
Specific Conductance (µmhos/cm @25°C)		↓604	949	917	650	1910	1200	36	54
pH (STU)		6.7	6.6	6.9	5.96	7	6.6	0.023	54
Dissolved Oxygen (mg/L)		2.4	3.5	0.6	0.1	6.29	0.92	0.14	53
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.031	0.0073	0.000	52
Iron (mg/L)		1.68	1.16	0.538	0.02 U	10.6	1.5	0.32	54
Calcium (mg/L)		70.8	111	86.2	25	230	120	6.2	48
Magnesium (mg/L)		34.8	63.5	56.1	22	130	68	3.4	48
Manganese (mg/L)		**4.66**	**8.13**	**5.89**	3.1	15.96	8.8	0.36	54
Potassium (mg/L)		9.12	14.1	13.1	4	15.8	10	0.36	54
Sodium (mg/L)		15.8	17.3	17	6	38.3	23	0.91	54
Ammonia (N) (mg/L)		1.5	2.6	2.3	0.2 U	5.4	1.6	0.11	54
Nitrate (N) (mg/L)		0.05 U	0.052	0.24	0.05 U	10	1.2	0.21	54
Sulfate (mg/L)		15	18	16	1 U	33	11	1	54
Ca-mg Hardness (CaCO3) (mg/L)		320	539	446	170	1100	630	26	54
Bicarbonate (CaCO3) (mg/L)		↓360	610	570	370	1130	620	24	54
Alkalinity (CaCO3) (mg/L)		↓360	610	570	370	1196.9	650	26	54
Organic Carbon (mg/L)		↓3.7	6.9	7.3	4	47	15	1.2	54
Chloride (mg/L)		↓6.5	14	14	7.7	55.3	38	2.8	54

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

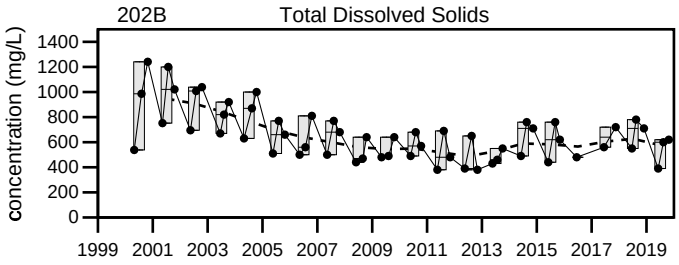
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

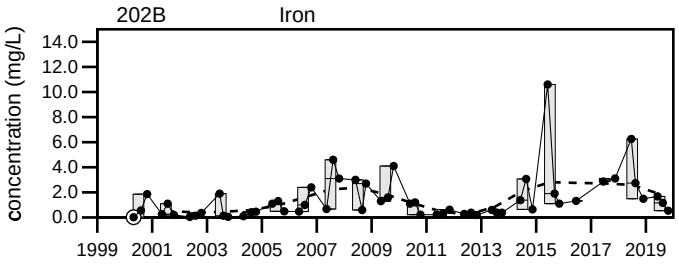
Comments

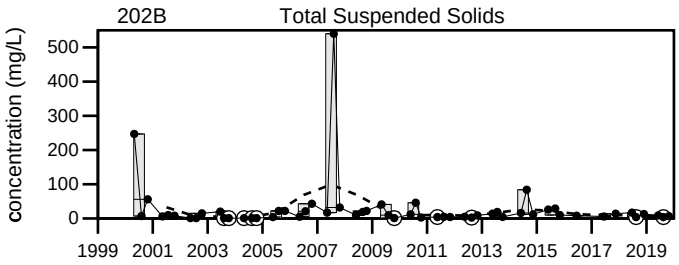
Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

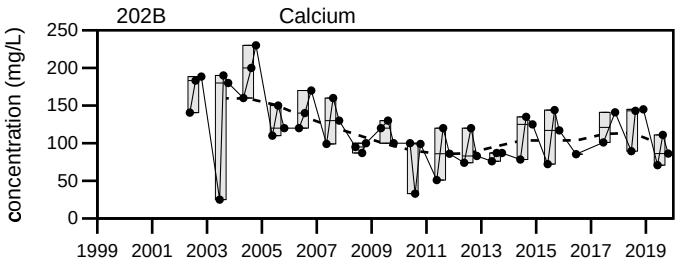
Q3= 8 - 2019

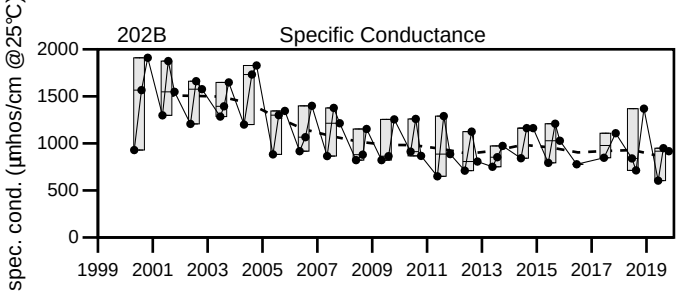
Q4= 10 - 2019

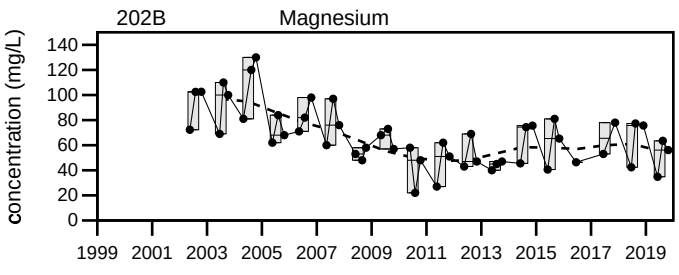


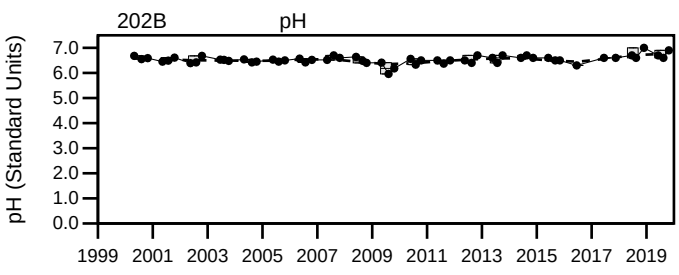


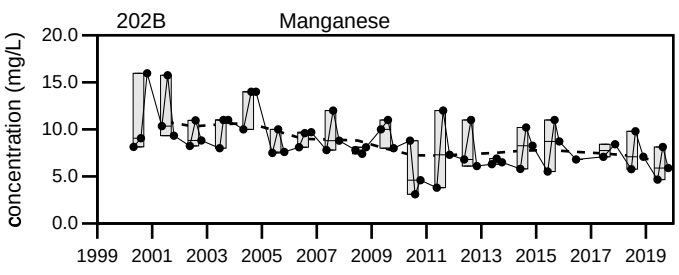


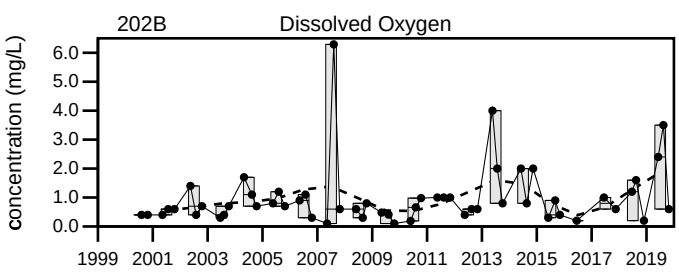


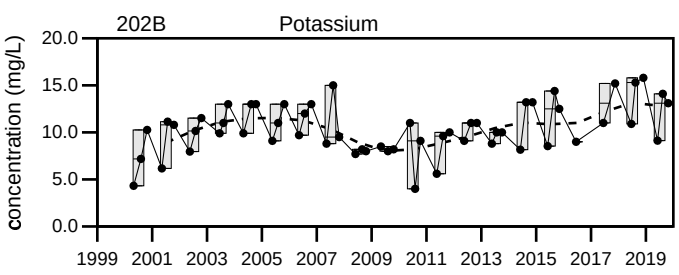


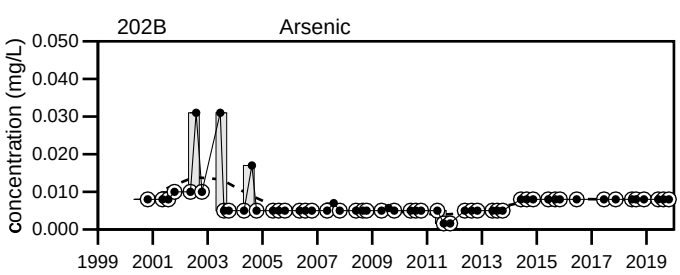


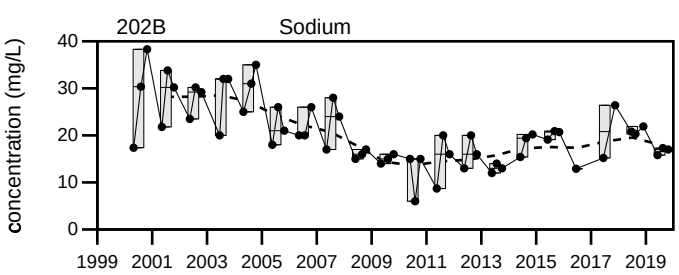


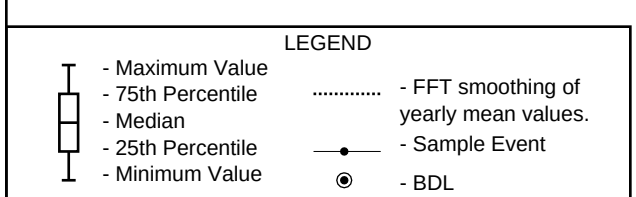








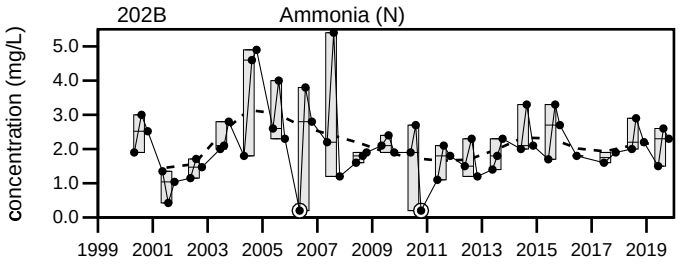


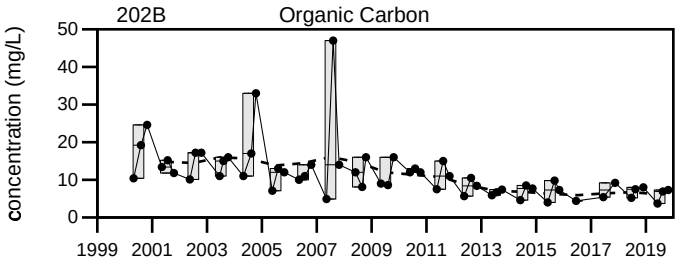


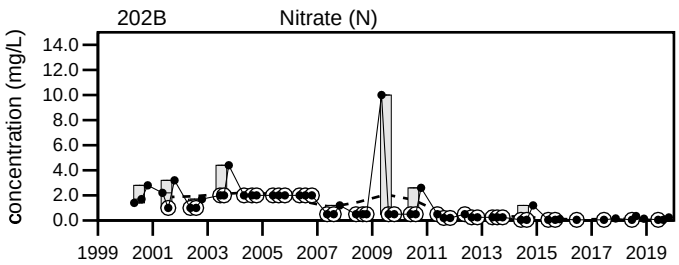
Dolby Landfill

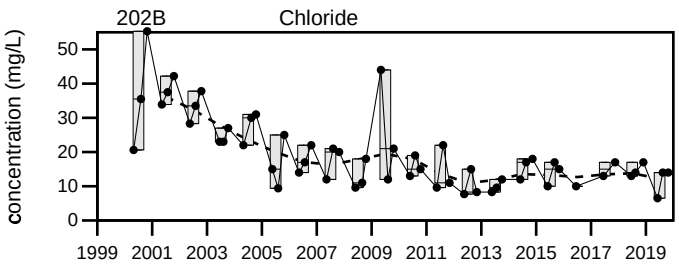
202B

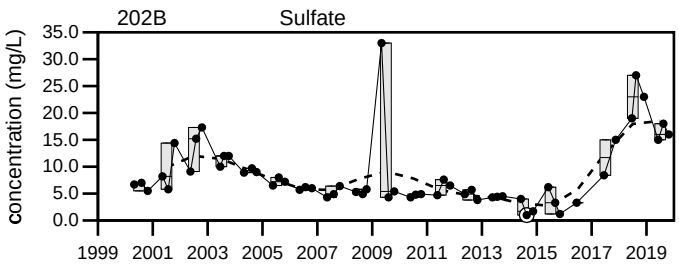
Sevee & Maher Engineers, Inc.

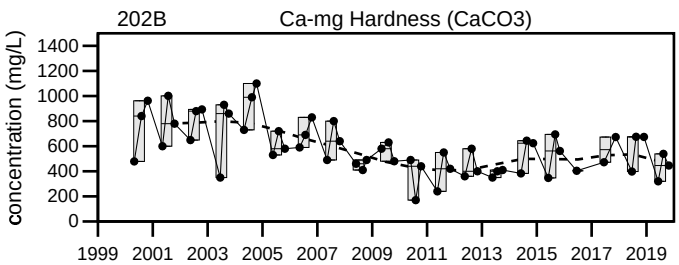


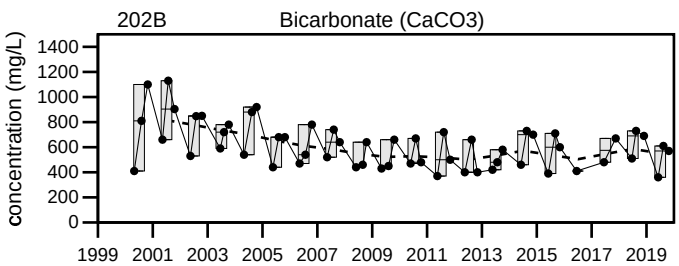


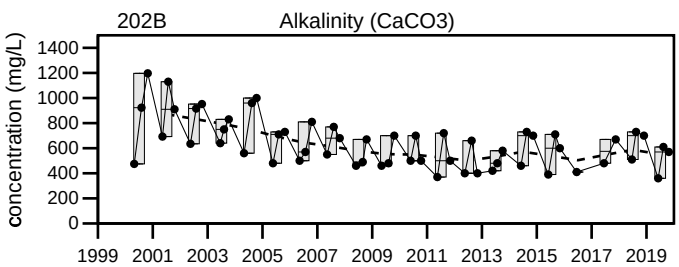


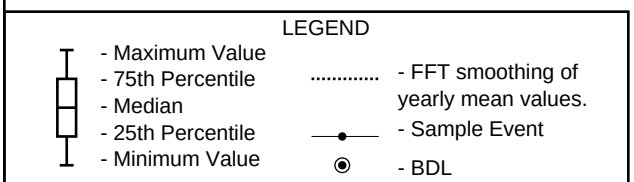












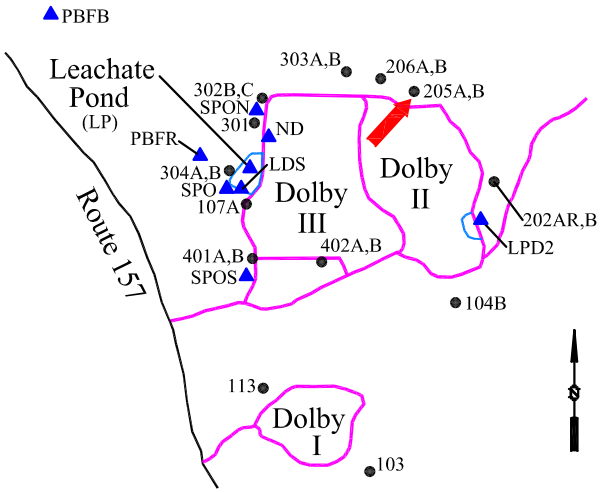
Dolby Landfill

202B

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the north of the Dolby II Landfill.



Screen Interval:	**26 ft. to 31 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-86**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**

Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		300	280	250	95	550	360	13	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	1 U	6	2.7	0.17	57
Specific Conductance (µmhos/cm @25°C)		484	482	↓454	472	1013	670	19	57
pH (STU)		7.5	7.3	7.6	6.56	7.8	7	0.025	57
Dissolved Oxygen (mg/L)		2.1	4.5	0.6	0.1	8.6	0.97	0.16	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.016	0.0066	0.000	55
Iron (mg/L)		0.1 U	0.112	0.138	0.1 U	3.326	4.7	1.2	57
Calcium (mg/L)		64.7	62.3	63.3	55.8	180	97	5	51
Magnesium (mg/L)		13.6	14.4	13.1	11.7	39	21	1	51
Manganese (mg/L)		↓0.16	**0.913**	**0.911**	0.214	1.7	0.96	0.034	57
Potassium (mg/L)		1.82	1.84	1.98	1.44	4.5	2.5	0.1	57
Sodium (mg/L)		**21.5**	**22.1**	**22.1**	14.13	42	22	0.7	57
Ammonia (N) (mg/L)		0.1 U	0.13	0.29	0.08 U	0.55	0.31	0.022	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	10	1	0.19	57
Sulfate (mg/L)		9.4	7.9	7.5	3.1	33	13	0.72	57
Ca-mg Hardness (CaCO3) (mg/L)		217	215	212	188	610	310	13	57
Bicarbonate (CaCO3) (mg/L)		200	210	170	160	480	280	12	57
Alkalinity (CaCO3) (mg/L)		200	210	170	40	500	280	14	57
Organic Carbon (mg/L)		1.3	1.3	1.6	1.1	63.7	6.5	0.72	57
Chloride (mg/L)		38	41	38	29	74.5	44	2	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

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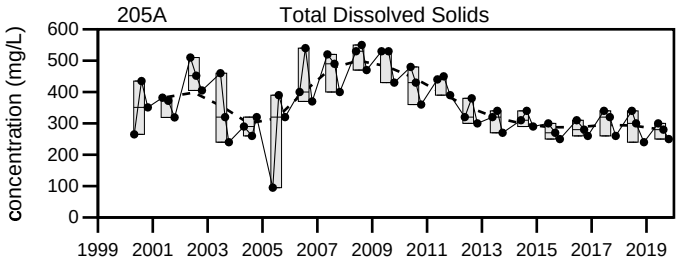
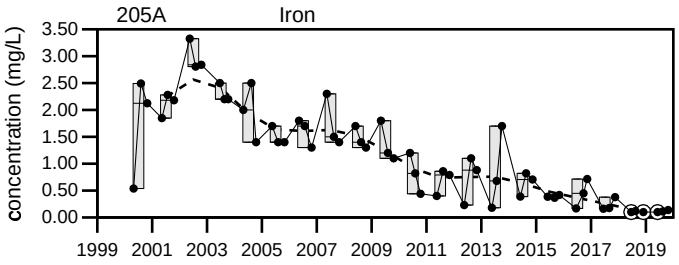
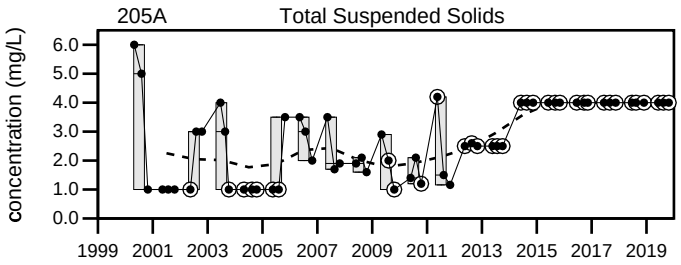
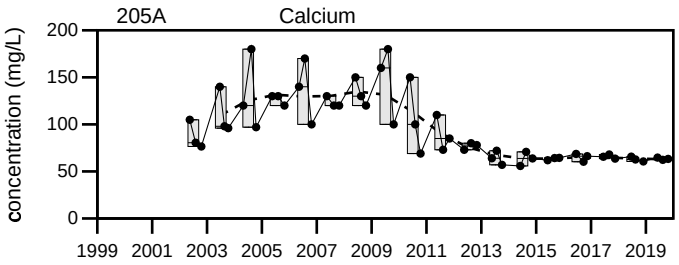
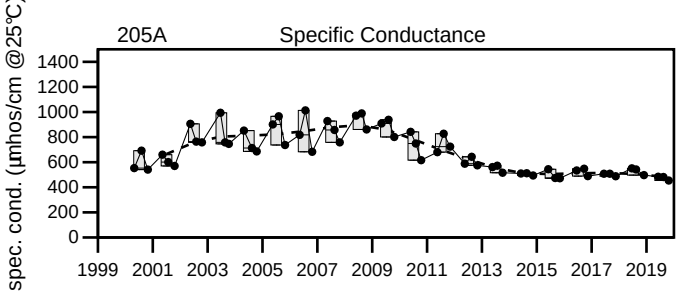
Printed: 3/5/2020 14:27

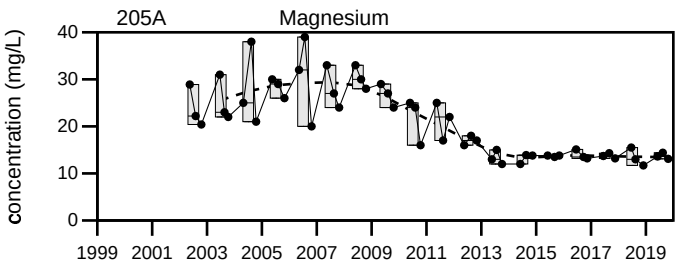


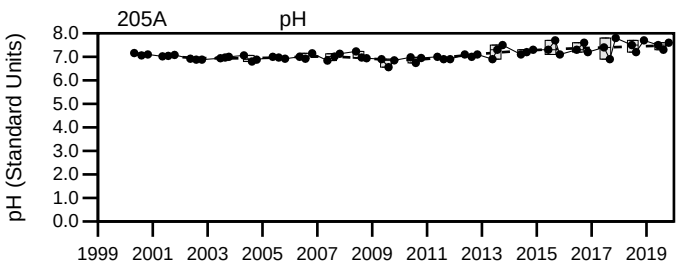


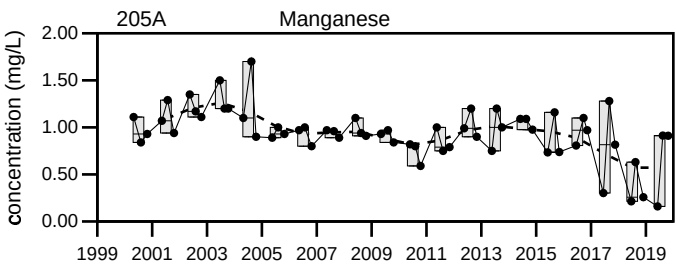


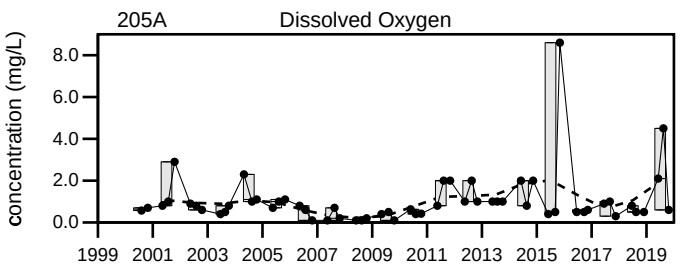


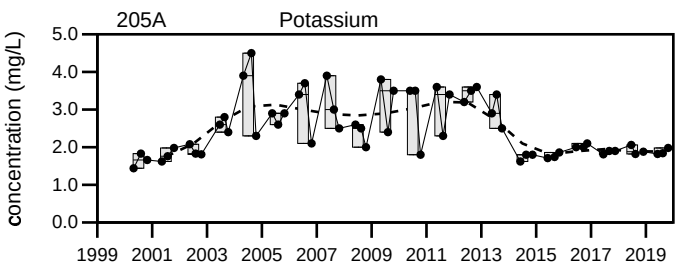


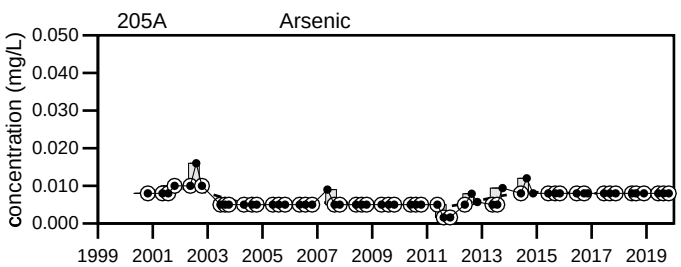


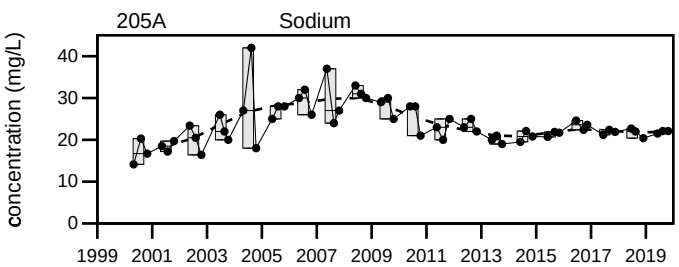


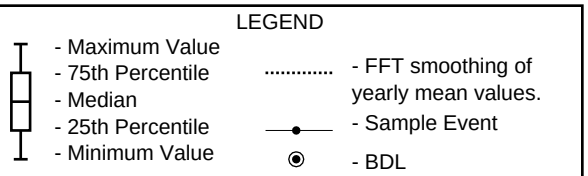








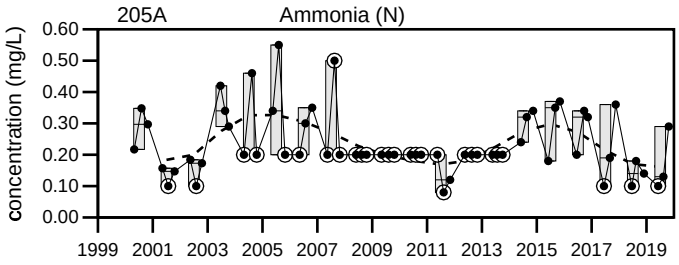


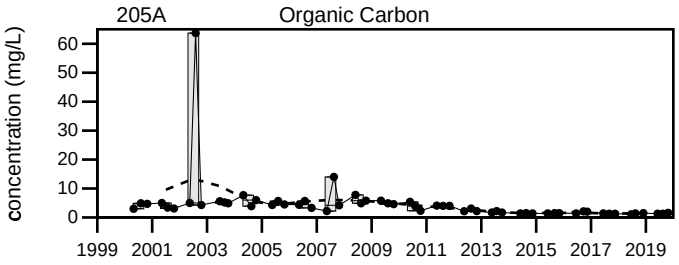


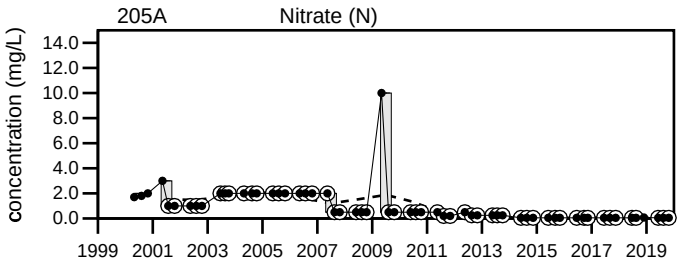
Dolby Landfill

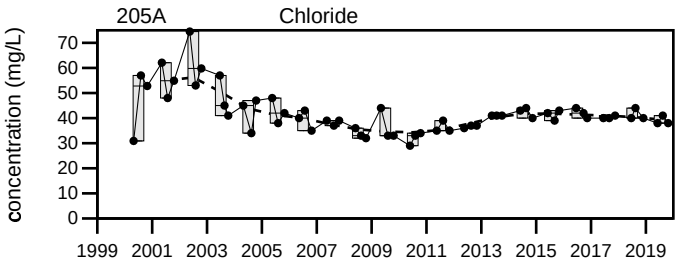
205A

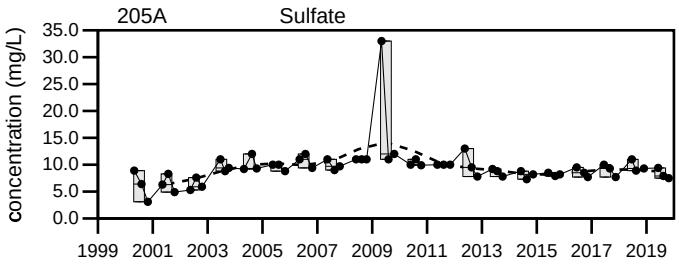
Sevee & Maher Engineers, Inc.

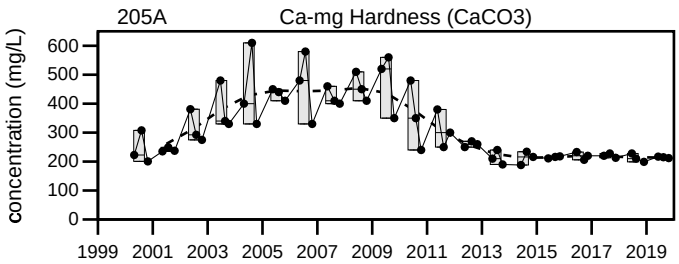


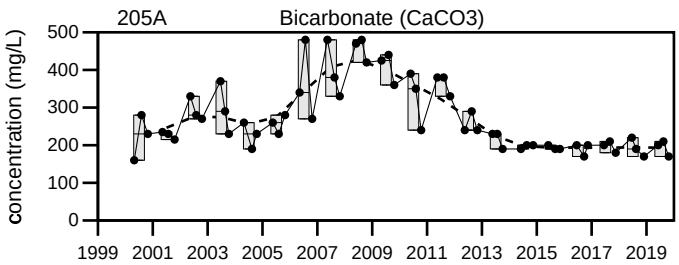


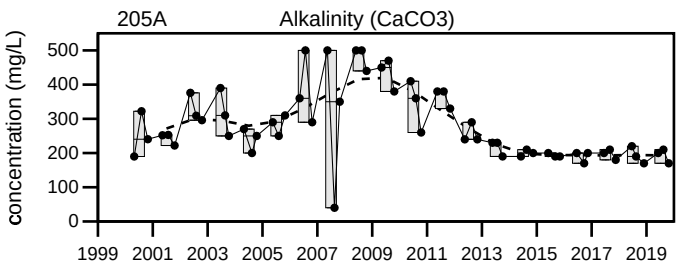


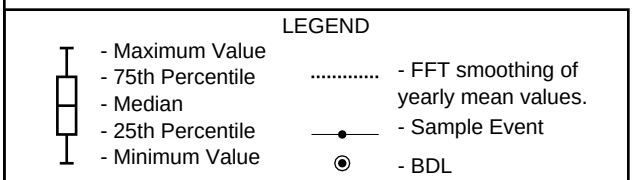












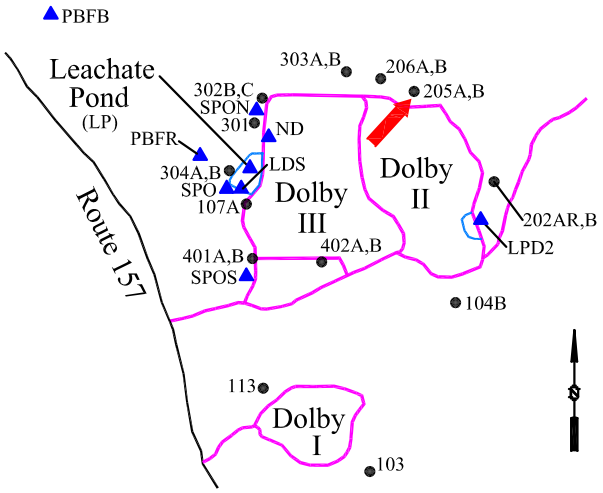
Dolby Landfill

205A

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the north of the Dolby II Landfill.



Screen Interval:	**10 ft. to 15 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-86**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**

Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		220	130	170	91	to 664	230	± 15	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to 36	2.8	± 0.62	57
Specific Conductance (µmhos/cm @25°C)		467	190	369	178	to 1274	820	± 52	57
pH (STU)		7.4	7.2	7.9	6.44	to 8	6.9	± 0.035	57
Dissolved Oxygen (mg/L)		2.1	↑4.4	0.5	0.1	to 3.6	0.86	± 0.086	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.021	0.0065	± 0.000	55
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.01 U	to 0.63	2.9	± 1	57
Calcium (mg/L)		58.5	27.3	43	23.8	to 140	57	± 4.1	51
Magnesium (mg/L)		13.5	6.88	9.89	6.8	to 60.9	16	± 1.6	51
Manganese (mg/L)		0.14	0.0924	0.205	0.065	to 9.33	1.2	± 0.25	57
Potassium (mg/L)		1.24	1 U	1.16	0.96	to 2.4	1.4	± 0.049	57
Sodium (mg/L)		9.01	↓3.64	4.93	3.84	to 27	21	± 2	57
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to 0.5	0.17	± 0.024	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to 2.3	0.81	± 0.1	57
Sulfate (mg/L)		4.3	3.6	3.9	2.7	to 14.6	13	± 0.84	57
Ca-mg Hardness (CaCO3) (mg/L)		202	96.5	148	87.7	to 540.7	260	± 21	57
Bicarbonate (CaCO3) (mg/L)		190	110	140	87	to 540	190	± 12	57
Alkalinity (CaCO3) (mg/L)		190	110	140	87	to 586	200	± 14	57
Organic Carbon (mg/L)		1.1	1 U	1.2	0.98	to 90.6	8.9	± 1.2	57
Chloride (mg/L)		2 U	2.6	2 U	0.5 U	to 34.4	33	± 5	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

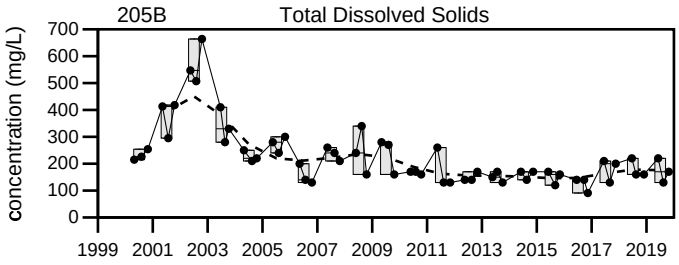
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

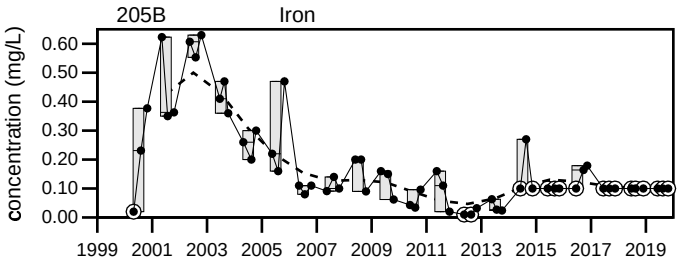
Comments

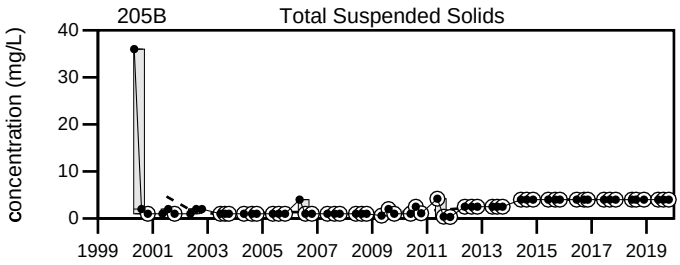
Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

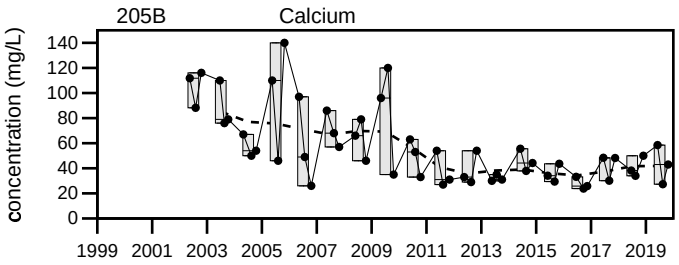
Q3= 8 - 2019

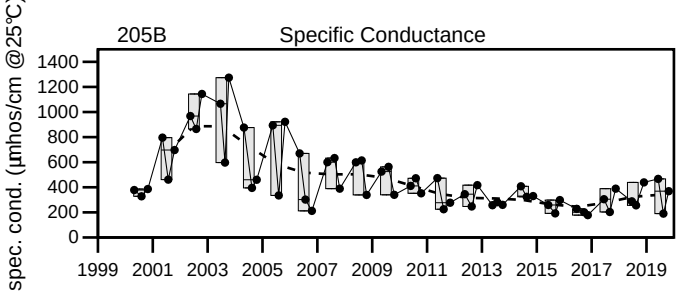
Q4= 10 - 2019

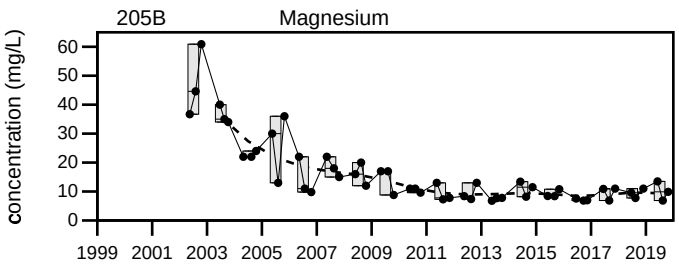


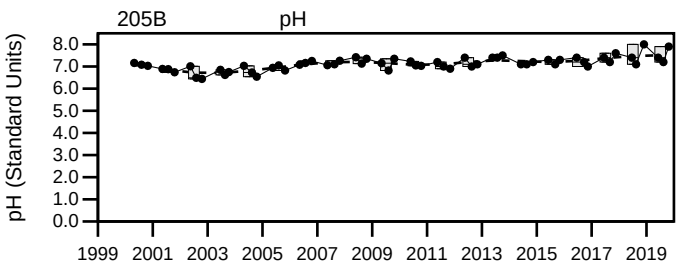


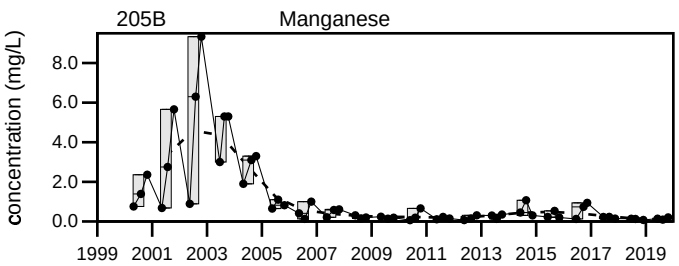


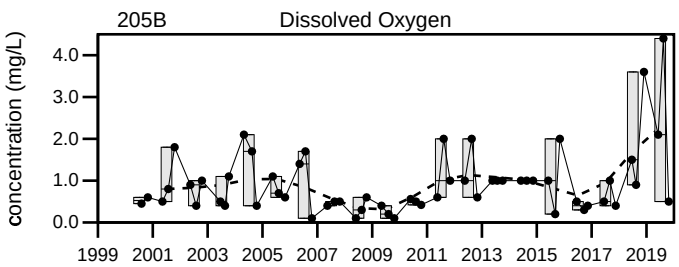


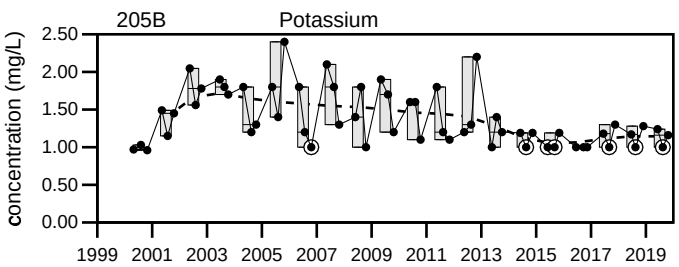


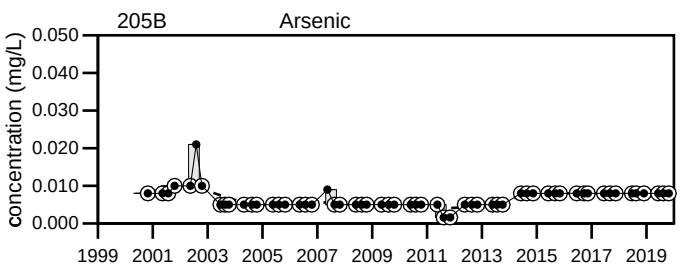


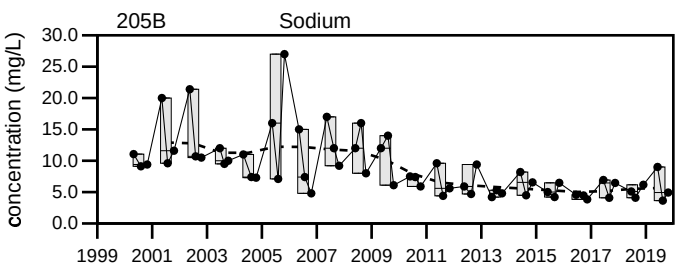


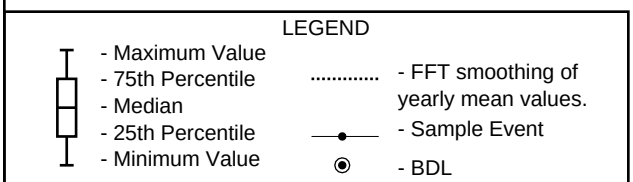








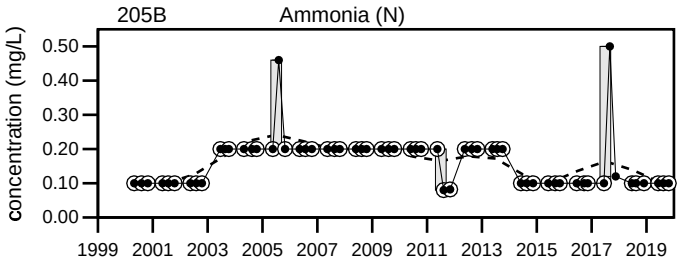


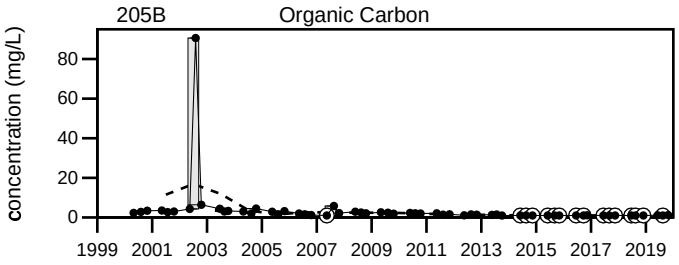


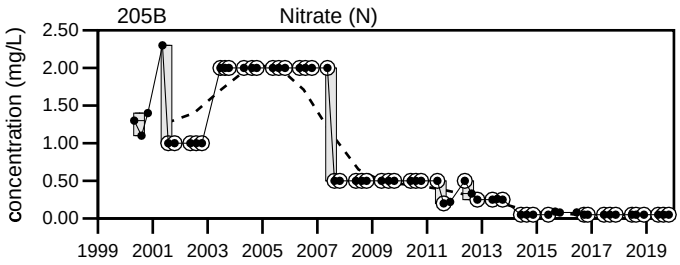
Dolby Landfill

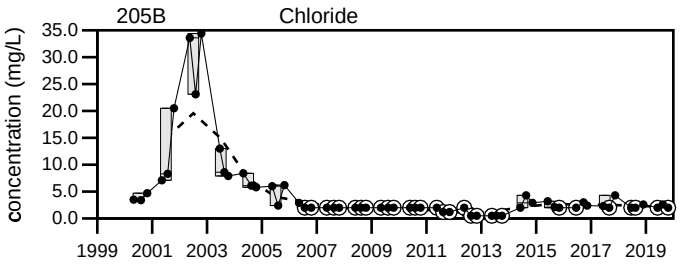
205B

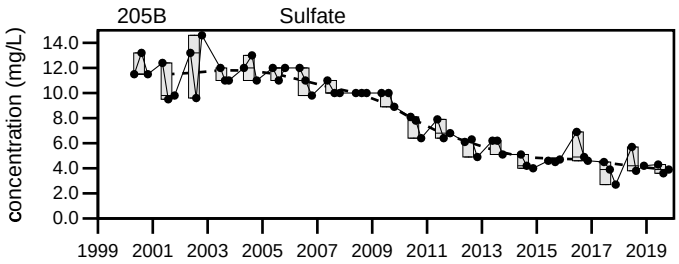
Sevee & Maher Engineers, Inc.

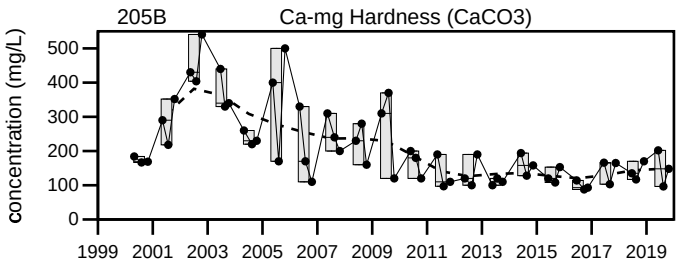


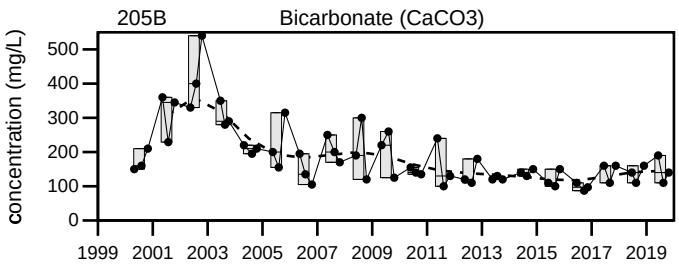


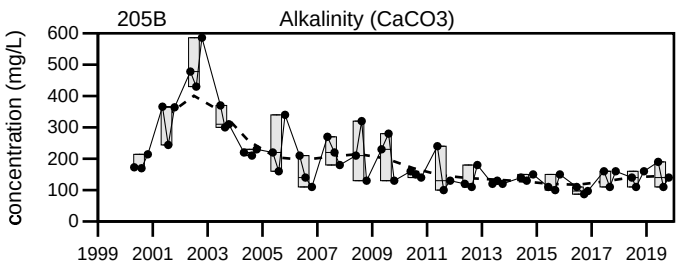


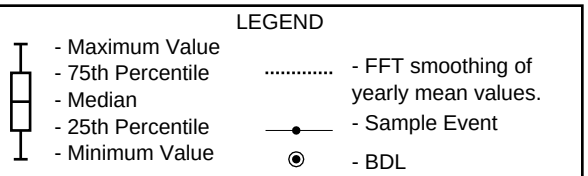












Dolby Landfill

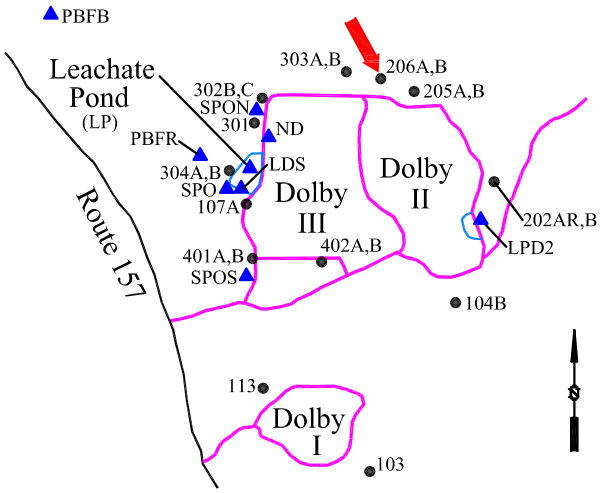
205B

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the northwest of the Dolby II Landfill.

Screen Interval:	**23.3 ft. to 28.3 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-86**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		730	1200	1200	440	2088	1200	43	57
Total Suspended Solids (mg/L)		24	90	↑96	2	94	51	3.1	57
Specific Conductance (µmhos/cm @25°C)		470	2125	2490	210	3480	2000	65	57
pH (STU)		6.7	6.7	6.9	6.04	6.9	6.7	0.017	57
Dissolved Oxygen (mg/L)		2.1	↑5.1	0.5	0.1	5	0.94	0.11	56
Arsenic (mg/L)		**0.122**	**0.309**	**0.316**	0.039	0.45	0.22	0.01	55
Iron (mg/L)		**19.6**	**45.4**	**49.2**	2.84	52.2	21	1.5	57
Calcium (mg/L)		70.5	111	↑147	17.2	146	97	3.5	51
Magnesium (mg/L)		106	179	232	15.6	290	170	7.7	51
Manganese (mg/L)		**2.62**	**3.95**	**4.19**	0.52	9	5.5	0.25	57
Potassium (mg/L)		66.2	101	129	14	170	89	3.2	57
Sodium (mg/L)		**20.1**	**33.9**	**44.3**	4.28	58.7	44	1.5	57
Ammonia (N) (mg/L)		23	**39**	**47**	3.1	54	23	1.3	57
Nitrate (N) (mg/L)		0.2	0.05 U	0.05 U	0.05 U	5.1	0.97	0.14	57
Sulfate (mg/L)		2.3	1 U	1 U	1 U	15	14	1.5	57
Ca-mg Hardness (CaCO3) (mg/L)		614	1020	1320	107	1500	980	35	57
Bicarbonate (CaCO3) (mg/L)		810	1200	1600	36	1997	1100	49	57
Alkalinity (CaCO3) (mg/L)		810	1200	1600	36	2010	1200	48	57
Organic Carbon (mg/L)		17	27	34	1.2	334.4	30	3.1	57
Chloride (mg/L)		16	27	30	15	102	62	4.2	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 179
Printed: 3/5/2020 14:27

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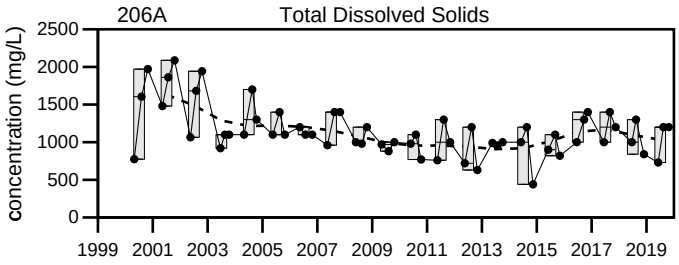
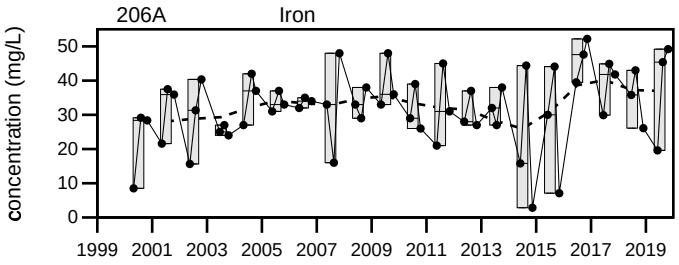
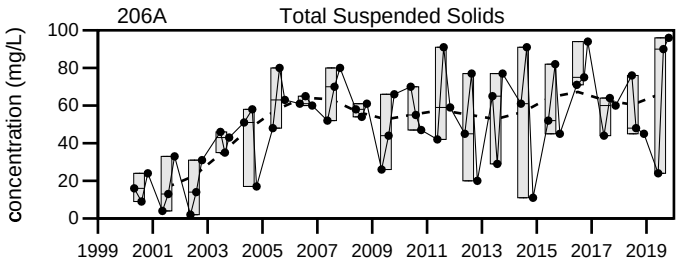
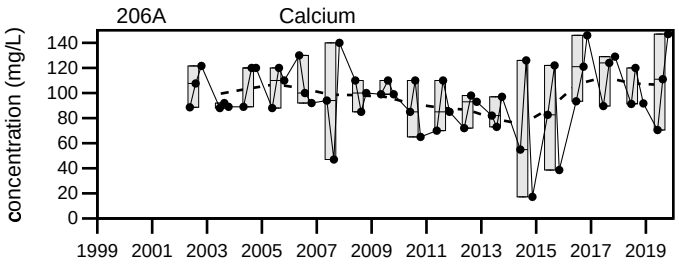
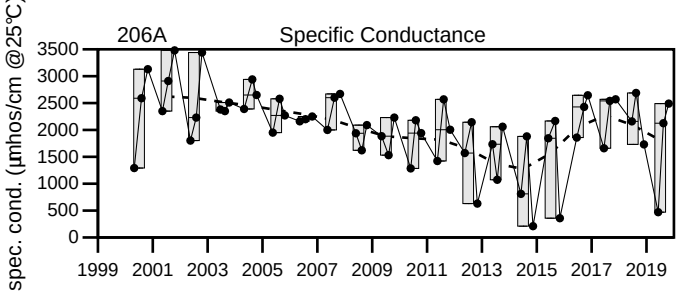
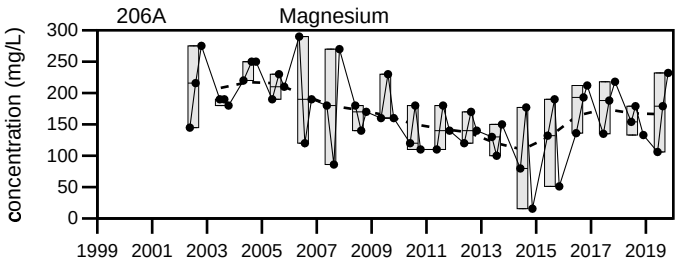


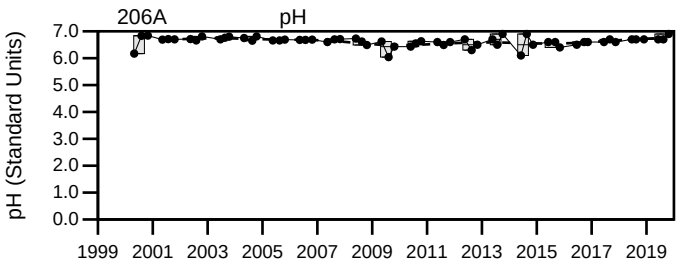


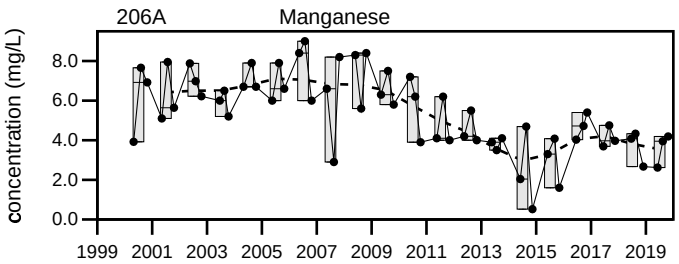


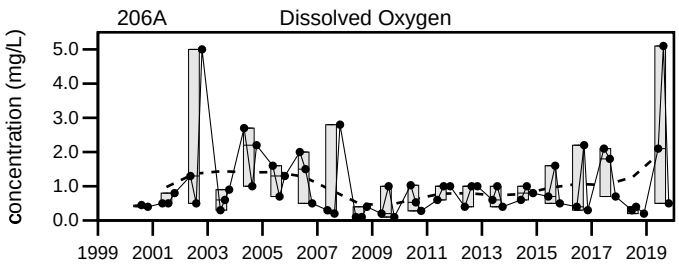


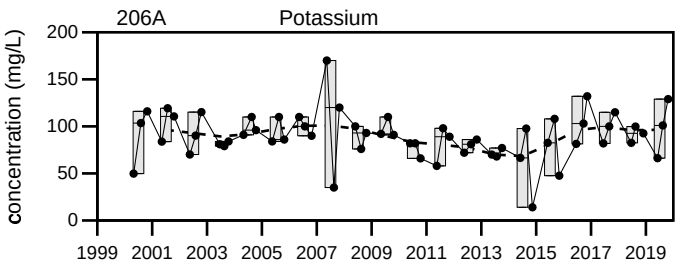


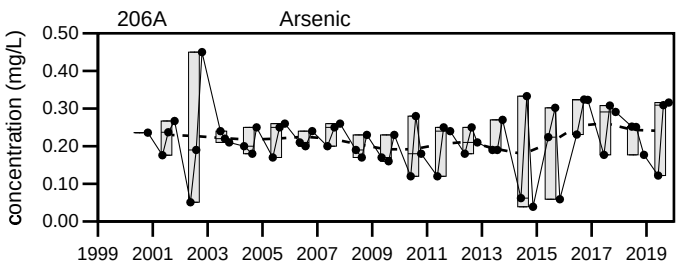


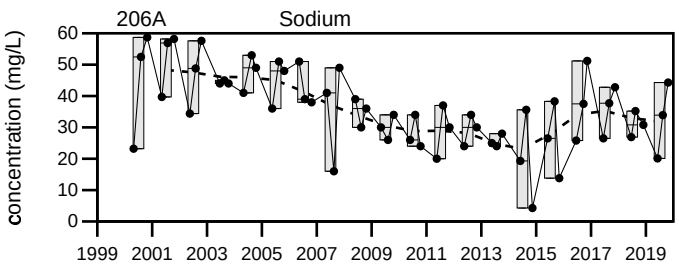


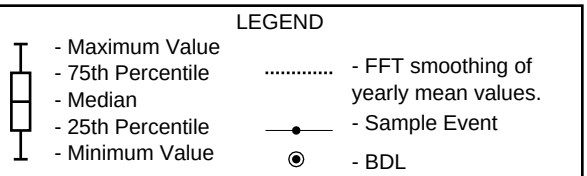








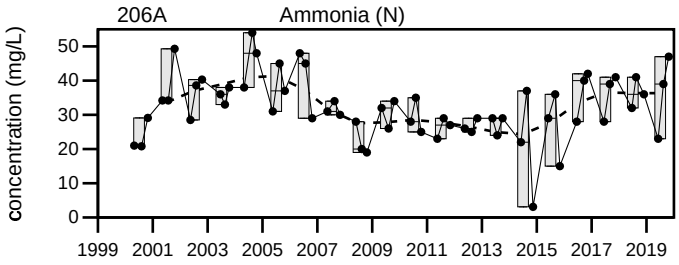


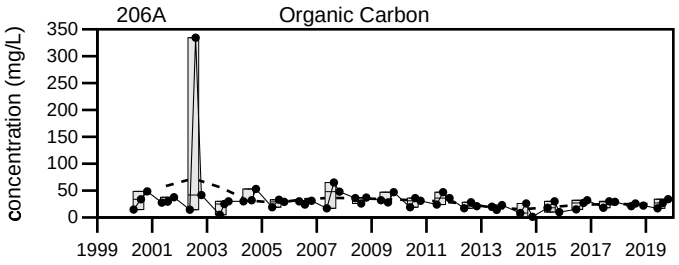


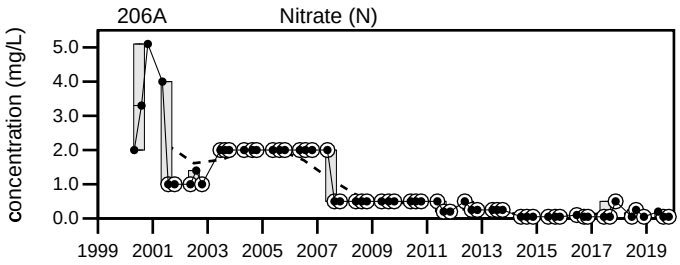
Dolby Landfill

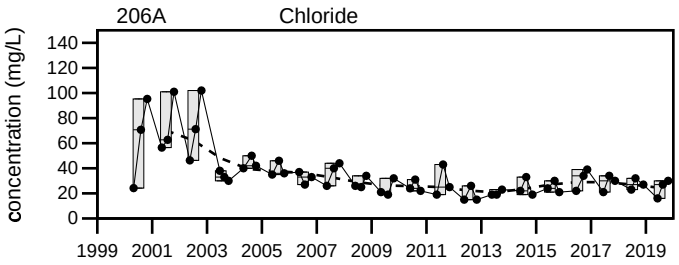
206A

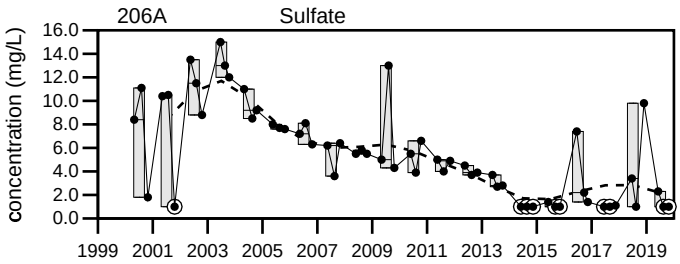
Sevee & Maher Engineers, Inc.

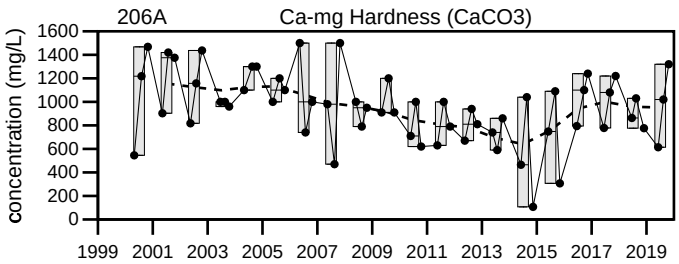


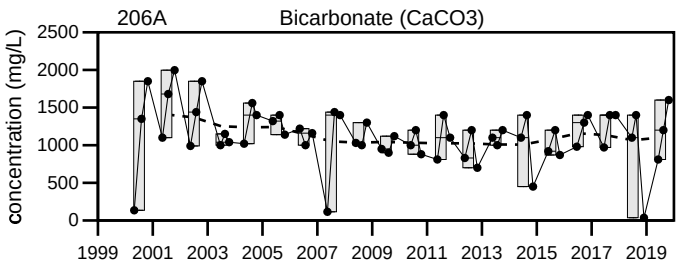


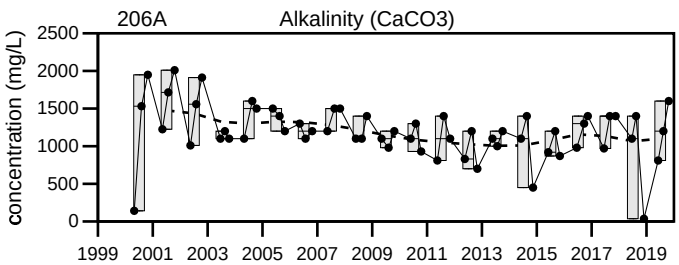


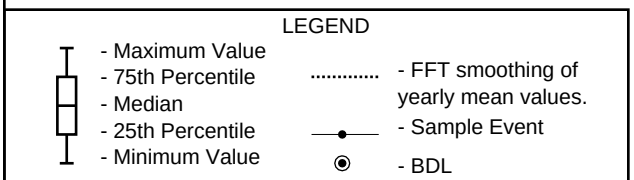












Dolby Landfill

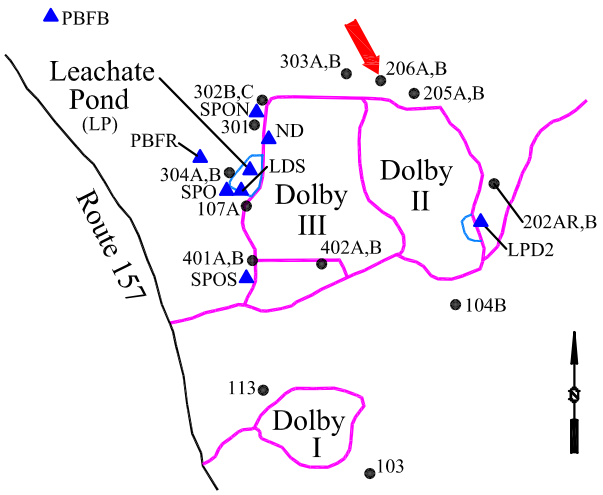
206A

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the northwest of the Dolby II Landfill.

Screen Interval:	**12 ft. to 17 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-86**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		81	98	D	28	200	77	5.6	34
Total Suspended Solids (mg/L)		4 U	19	D	0.32 U	22	3.1	0.68	34
Specific Conductance (µmhos/cm @25°C)		146	191	D	61	260	220	34	34
pH (STU)		7.2	6.8	D	5.26	7.7	6.5	0.075	34
Dissolved Oxygen (mg/L)		↑ 10.6	↑ 10.7	D	2	9.8	5.6	0.36	33
Arsenic (mg/L)		0.008 U	0.008 U	D	0.0016 U	0.01 U	0.006	0.000	33
Iron (mg/L)		0.1 U	↑ 2.43	D	0.014	1.5	0.17	0.036	34
Calcium (mg/L)		14.4	15.3	D	6.1	19	13	0.64	32
Magnesium (mg/L)		4.12	6.24	D	1.4	12	6	0.52	32
Manganese (mg/L)		0.0182	↑ 0.194	D	0.009	0.12	0.03	0.004	34
Potassium (mg/L)		4.2	5.56	D	3	7.5	4.8	0.21	34
Sodium (mg/L)		1.54	1.93	D	1 U	4.4	4.7	1	34
Ammonia (N) (mg/L)		0.1 U	0.1 U	D	0.082 U	0.45	0.39	0.19	34
Nitrate (N) (mg/L)		↓ 0.17	0.45	D	0.25	2 U	1	0.12	34
Sulfate (mg/L)		4.1	7.8	D	1 U	23	13	1.8	34
Ca-mg Hardness (CaCO3) (mg/L)		53	64	D	22.1	89	65	11	34
Bicarbonate (CaCO3) (mg/L)		39	64	D	8	81	52	3.3	34
Alkalinity (CaCO3) (mg/L)		39	64	D	8	85	53	3.4	34
Organic Carbon (mg/L)		1.5	1.2	D	1 U	5.1	2.6	0.24	34
Chloride (mg/L)		2 U	3	D	0.63	3.8	4.5	1.1	34

underlined/bold - values exceed a regulatory standard listed below.

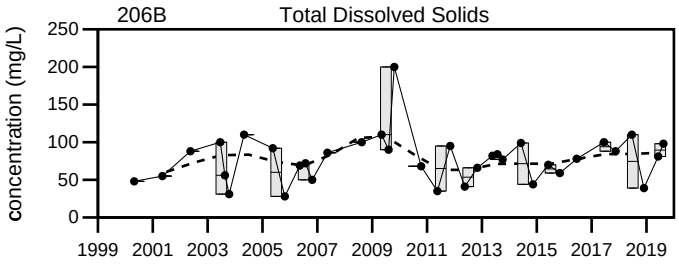
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

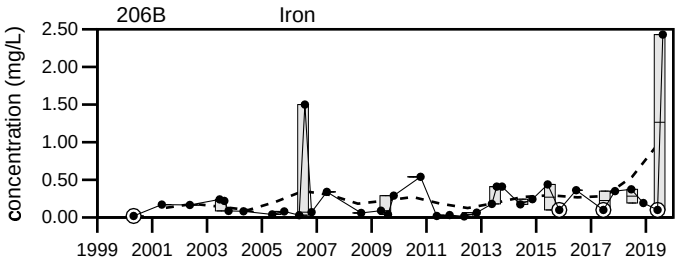
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

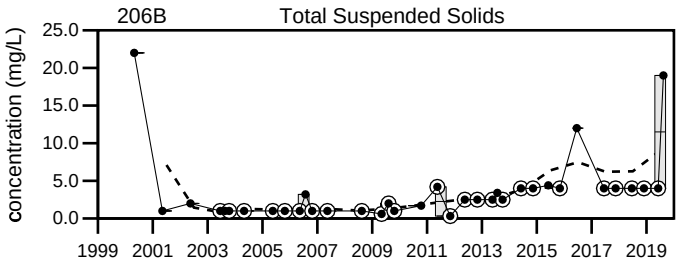
Comments

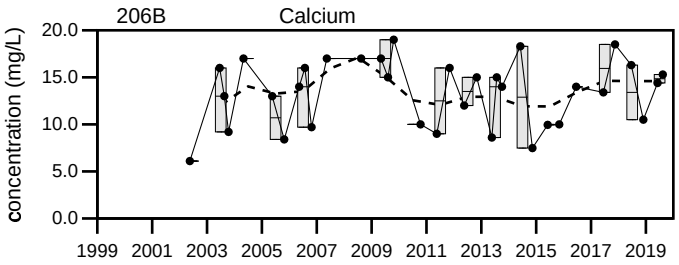
Q2= 6 - 2019
Q3= 8 - 2019
Q4= 10 - 2019

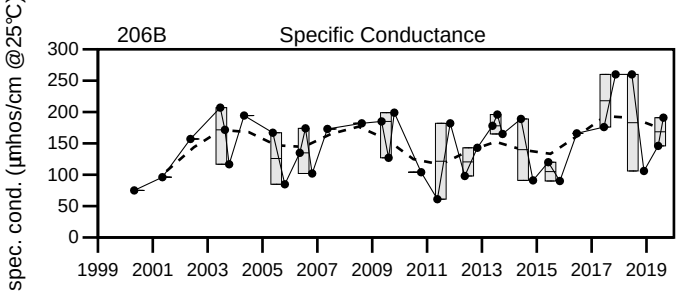
U = Not Detected above the laboratory reporting limit.
D = The sampling location was dry.

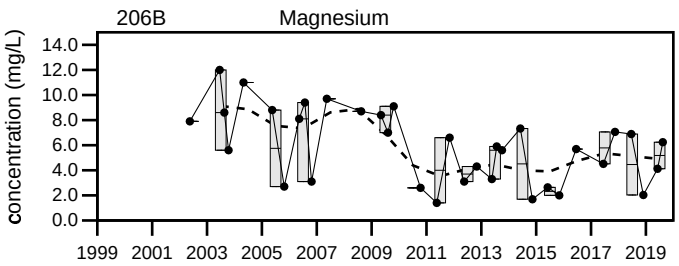


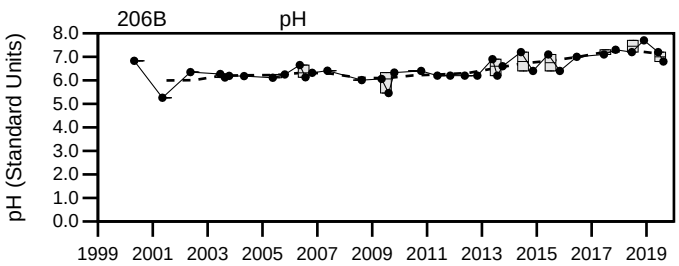


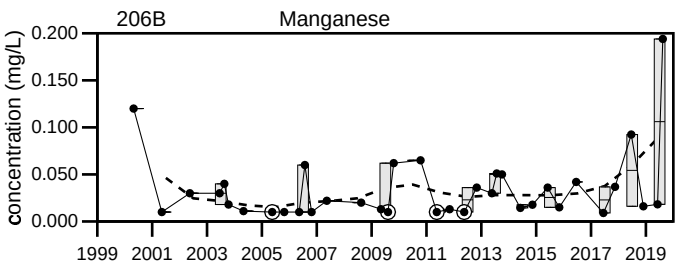


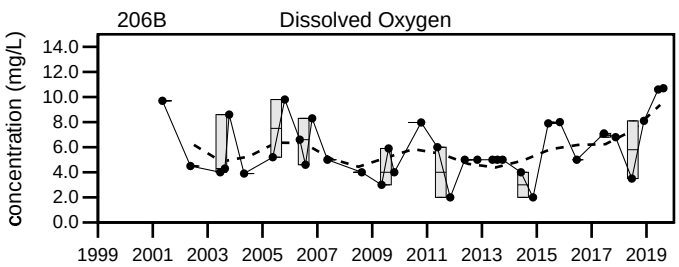


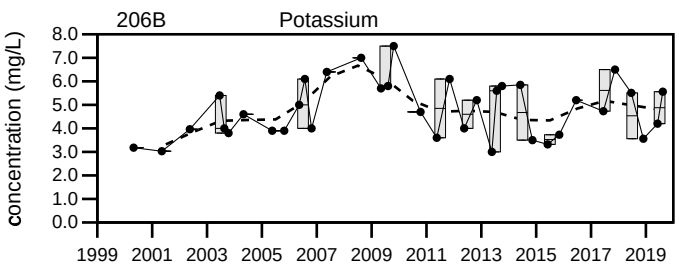


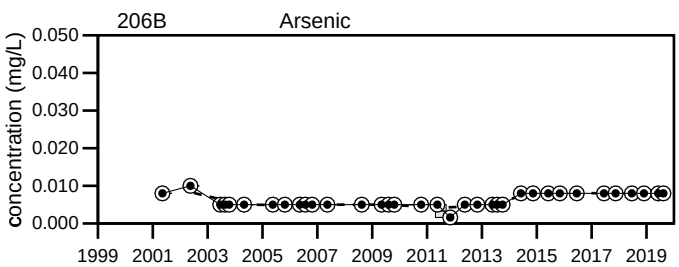


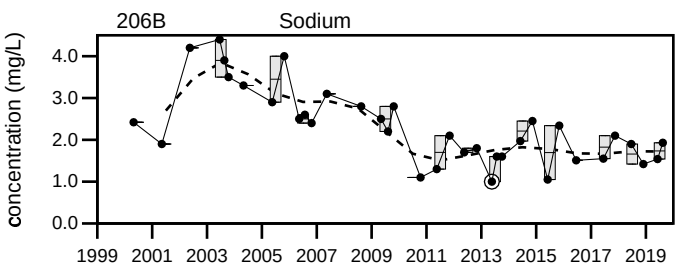


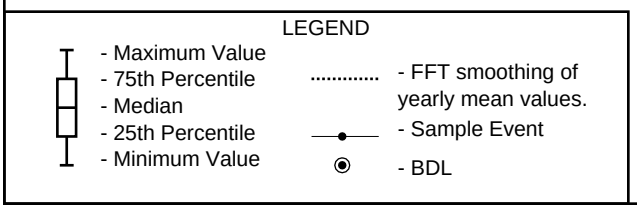








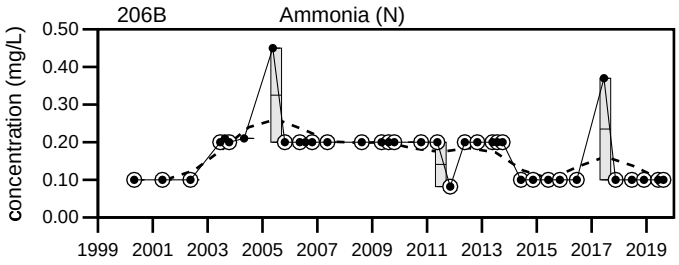


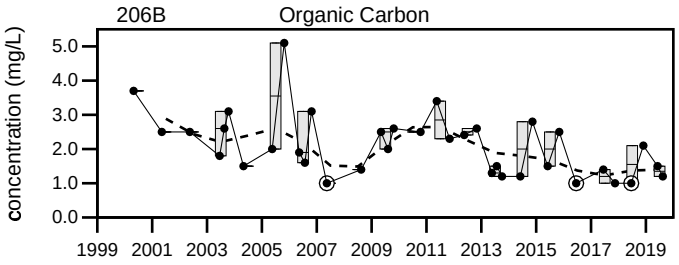


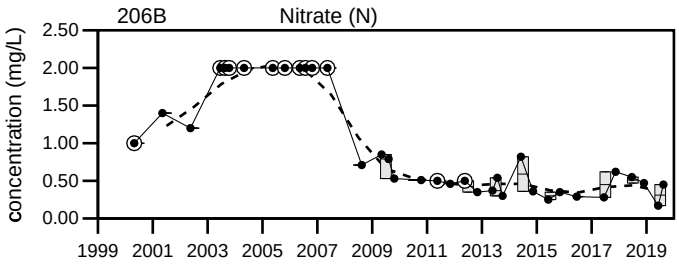
Dolby Landfill

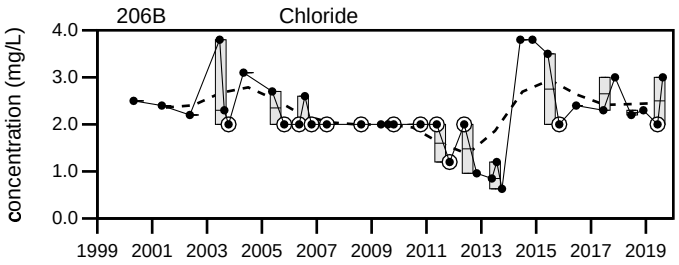
206B

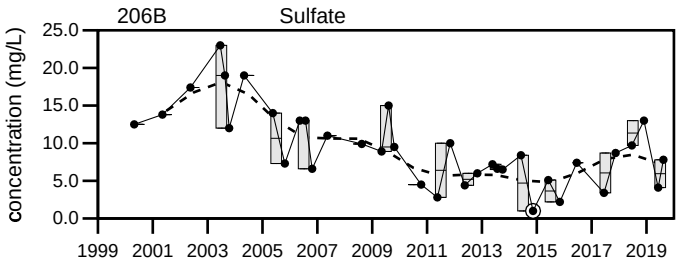
Sevee & Maher Engineers, Inc.

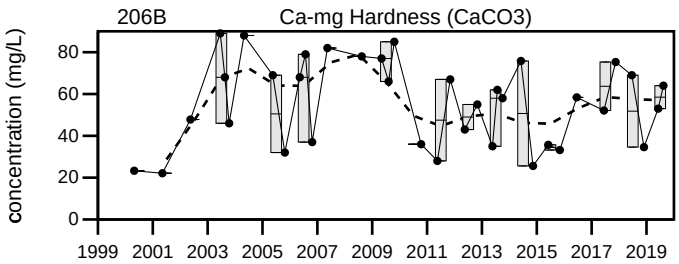


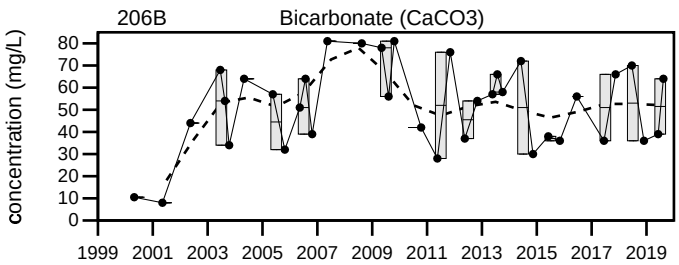


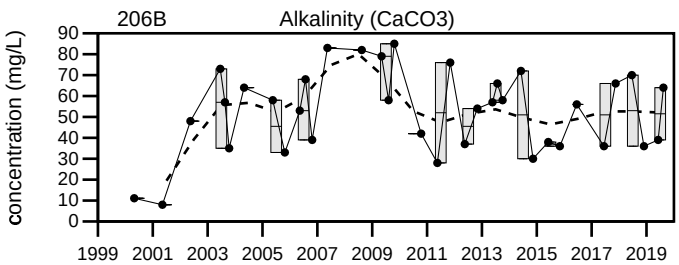


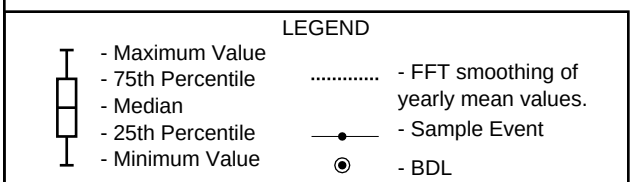












Dolby Landfill

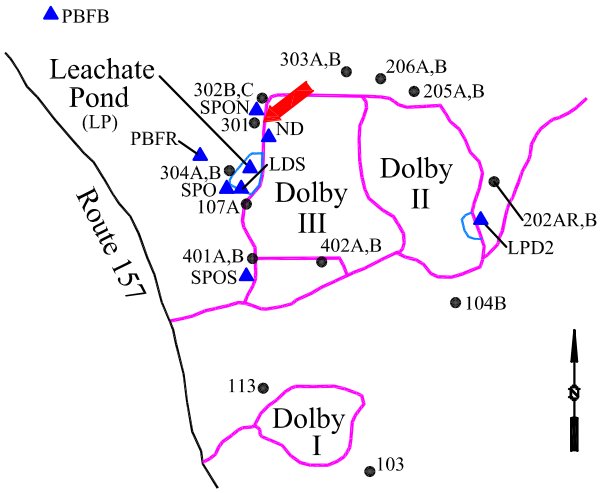
206B

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the west of Dolby III Landfill.

Screen Interval:	**10 ft. to 15 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Sep-83**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Benzene (ug/L)				3 U	3 U	5 U	4	0.33	10
Toluene (ug/L)				5 U	5 U	5 U	5	0	10
Ethylbenzene (ug/L)				5 U	5 U	5 U	5	0	10
o-Xylene (ug/L)				5 U	5 U	5 U	5	0	10
m,p-Xylene (ug/L)				10 U	5 U	10 U	8.5	0.76	10
C11-C22 AROMATICS (ADJUSTED) (ug/L				↓93 U	94 U	380	140	41	7
C19-C36 ALIPHATICS (ADJUSTED) (ug/L				↓93 U	94 U	102 U	96	1.1	7
C5-C8 ALIPHATICS (ADJUSTED) (ug/L)				100 U	75 U	100 U	92	4.5	7
C9-C10 AROMATICS (ADJUSTED) (ug/L)				100 U	25 U	100 U	78	14	7
C9-C12 ALIPHATICS (ADJUSTED) (ug/L)				100 U	25 U	100 U	78	14	7
C9-C18 ALIPHATICS (ADJUSTED) (ug/L)				↓93 U	94 U	102 U	96	1.1	7
Methyltertiarybutylether (ug/L)				5 U	5 U	5 U	5	0	7
Naphthalene (ug/L)				5 U	4.81 U	10 U	5.6	0.63	8
Naphthalene (EPH) (ug/L)				1.9 U	1.9 U	1.9 U	1.9	0	4
2-Methylnaphthalene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Acenaphthylene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Acenaphthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Fluorene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Phenanthrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Anthracene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Fluoranthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Pyrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(a)Anthracene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Chrysene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(b)Fluoranthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(k)Fluoranthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(a)Pyrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Indeno(1,2,3-c,d)Pyrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Dibenz(a,h)Anthracene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(g,h,i)perylene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Acenaphthene MEG16=400 ug/L, Toluene MEG16=600 ug/L, MCL=1000 ug/L, Ethylbenzene MEG16=30 ug/L, MCL=700 ug/L, C11-C22 AROMATICS (ADJUSTED) MEG16=200 ug/L, C19-C36 ALIPHATICS (ADJUSTED) MEG16=10000 ug/L, C5-C8 ALIPHATICS (ADJUSTED) MEG16=300 ug/L, C9-C10 AROMATICS (ADJUSTED) MEG16=200 ug/L, C9-C12 ALIPHATICS (ADJUSTED) MEG16=700 ug/L, C9-C18 ALIPHATICS (ADJUSTED) MEG16=700 ug/L, Methyltertiarybutylether MEG16=35 ug/L, Benzene MEG16=4 ug/L, MCL=5 ug/L, 2-Methylnaphthalene MEG16=30 ug/L, Dibenz(a,h)Anthracene MEG16=0.05 ug/L, Fluorene MEG16=300 ug/L, Anthracene MEG16=2000 ug/L, Fluoranthene MEG16=300 ug/L, Pyrene MEG16=200 ug/L, Benzo(a)Anthracene MEG16=0.5 ug/L, Chrysene

Data Group: 183
Printed: 3/5/2020 14:25

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MEG16=50 ug/L, Benzo(b)Fluoranthene MEG16=0.5 ug/L, Benzo(k)Fluoranthene MEG16=5 ug/L, Benzo(a)Pyrene MEG16=0.05 ug/L, MCL=0.2 ug/L, Indeno(1,2,3-c,d)Pyrene MEG16=0.5 ug/L, Naphthalene MEG16=10 ug/L

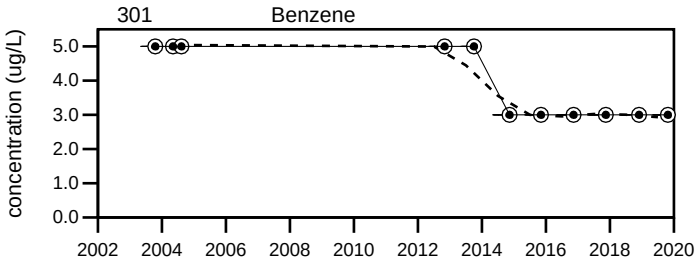
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

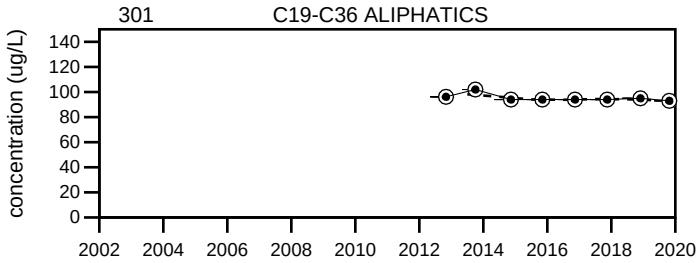
Comments

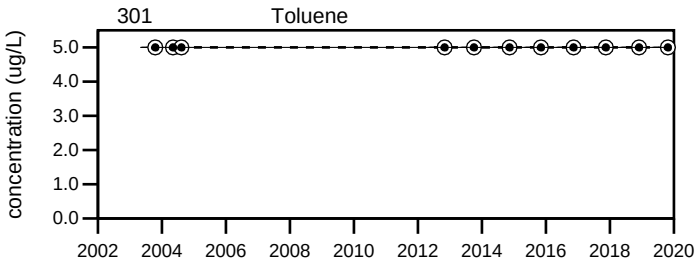
Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

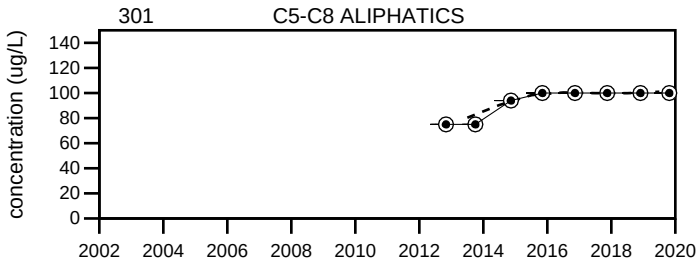
Q3= 8 - 2019

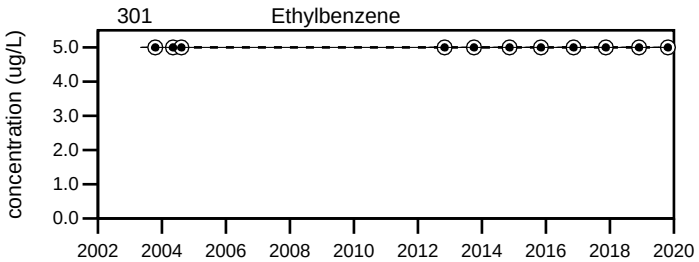
Q4= 10 - 2019

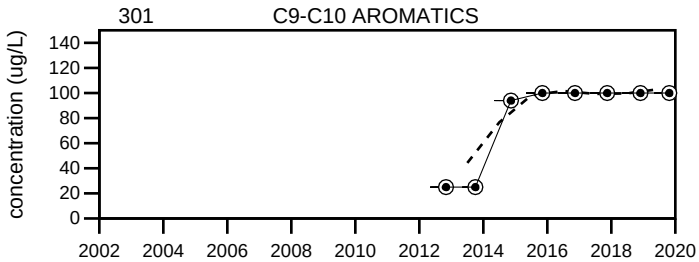


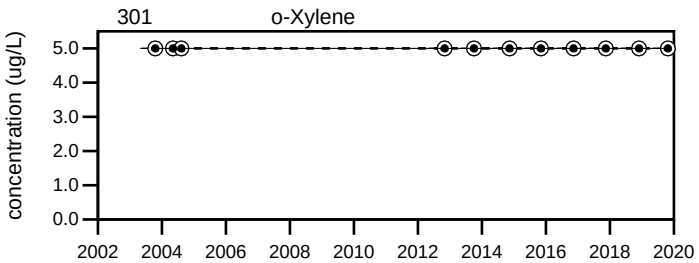


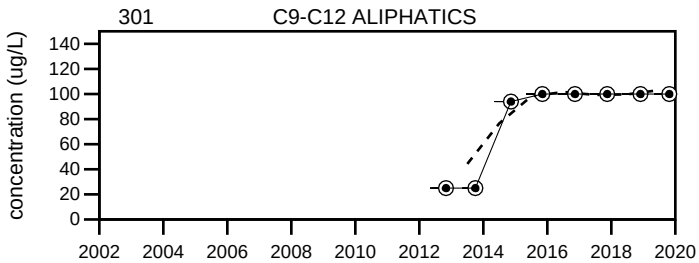


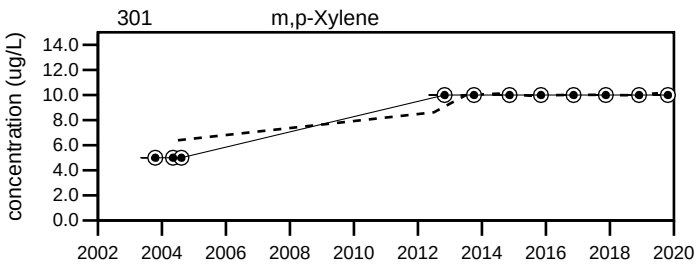


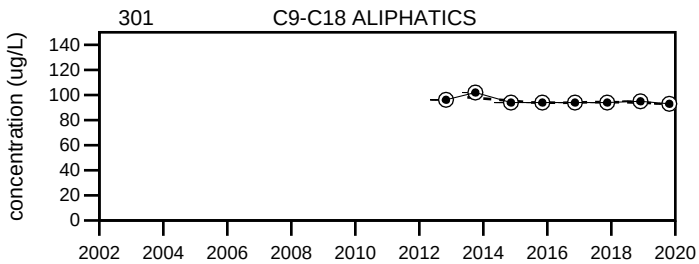


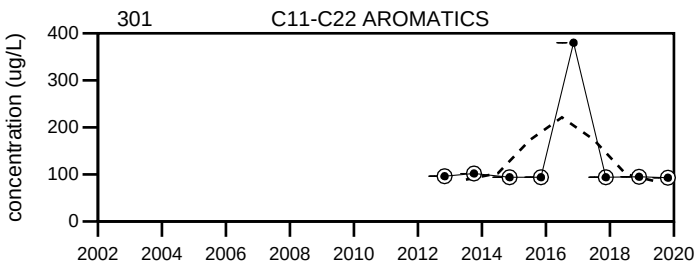


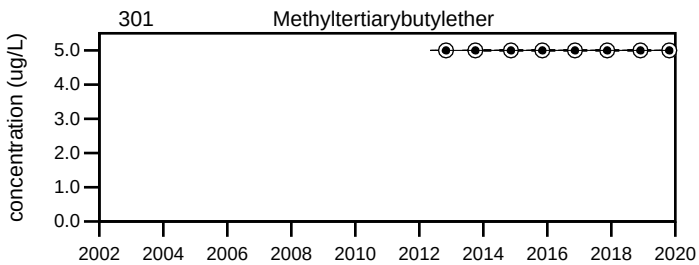


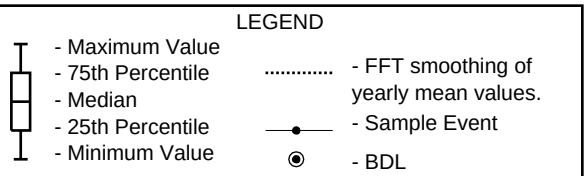












Dolby Landfill

301

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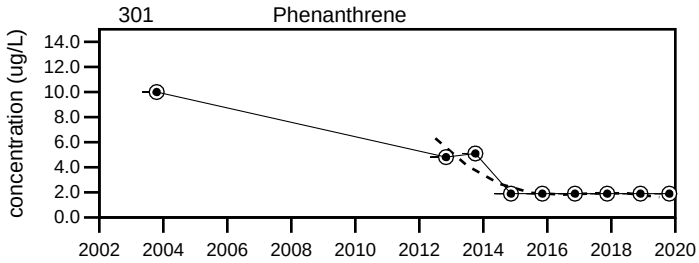
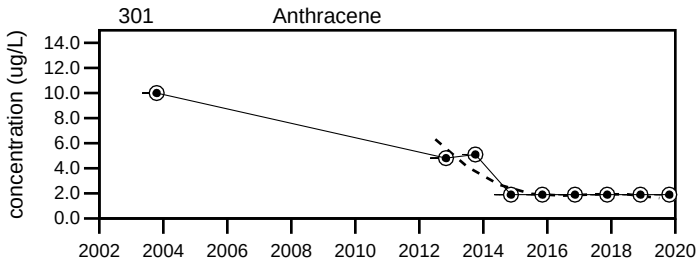
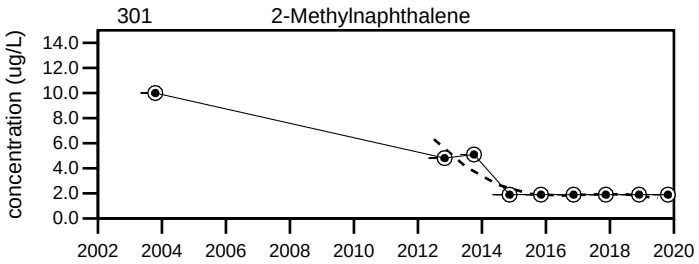
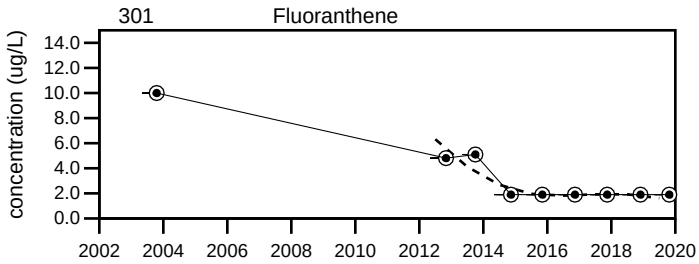
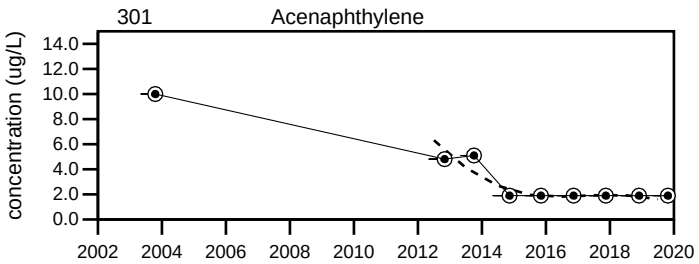
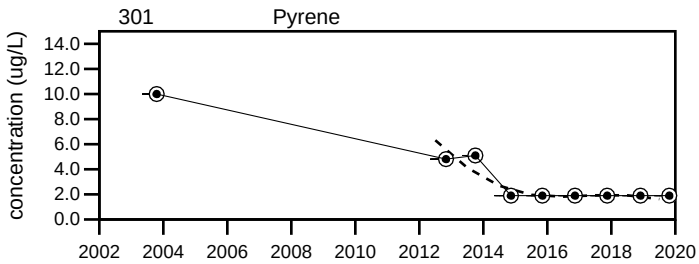


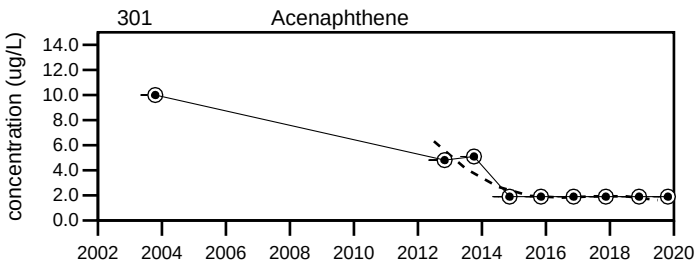


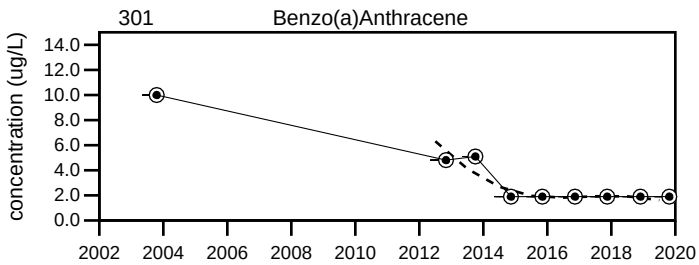


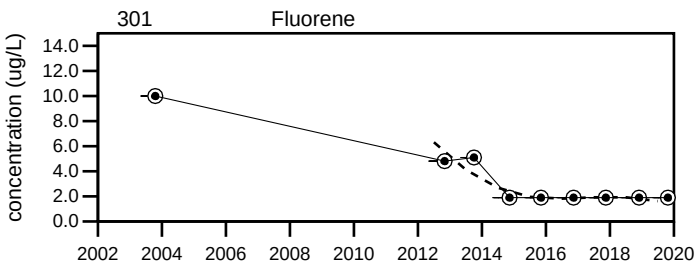


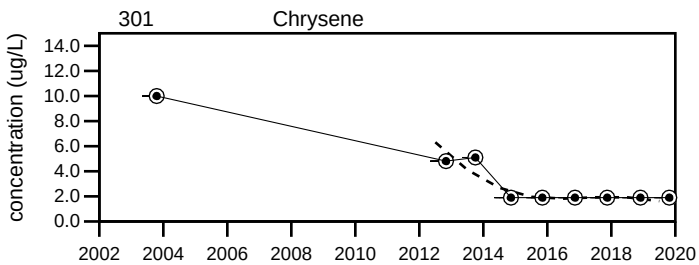


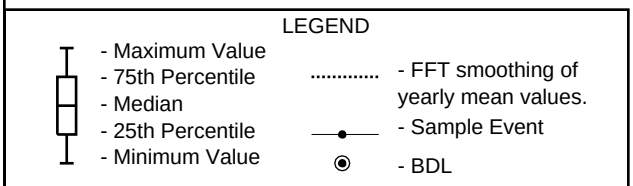








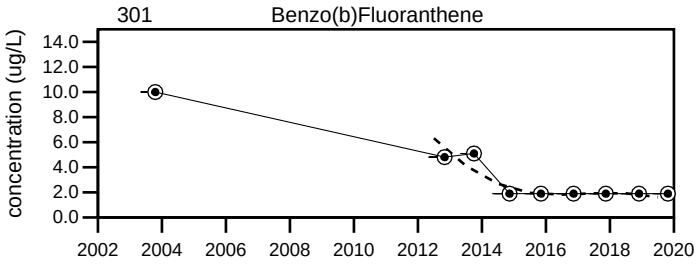


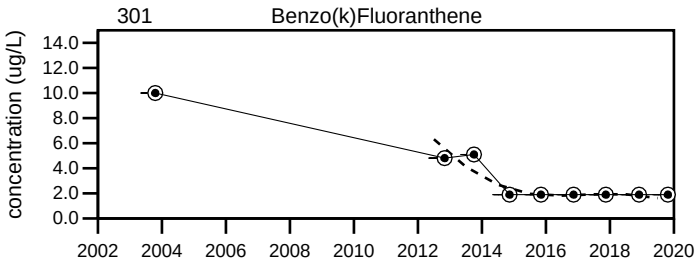


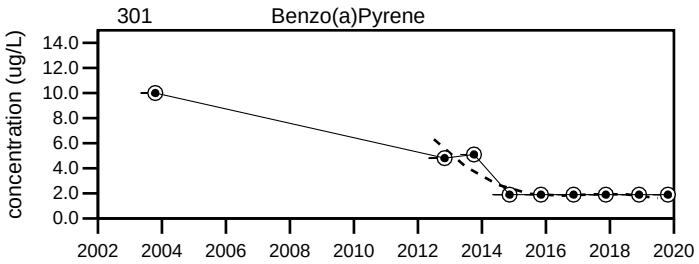
Dolby Landfill

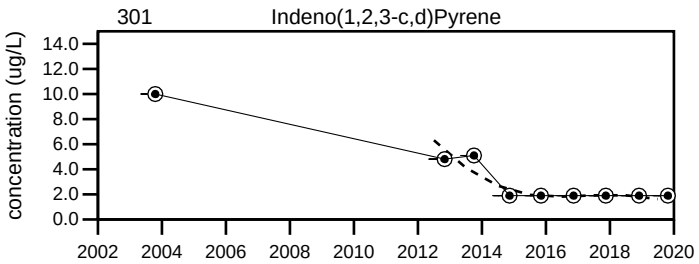
301

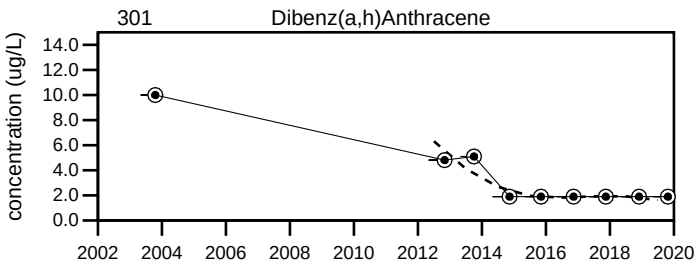
Sevee & Maher Engineers, Inc.

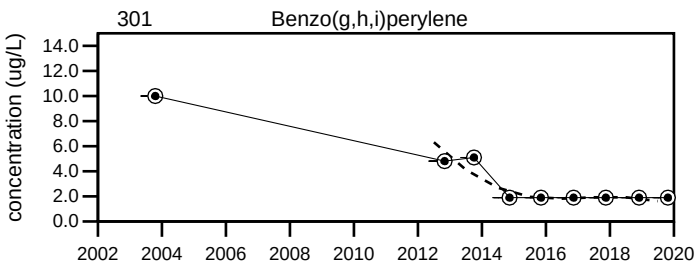


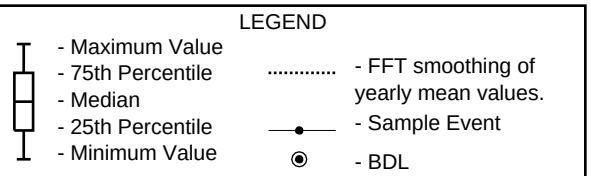












Dolby Landfill

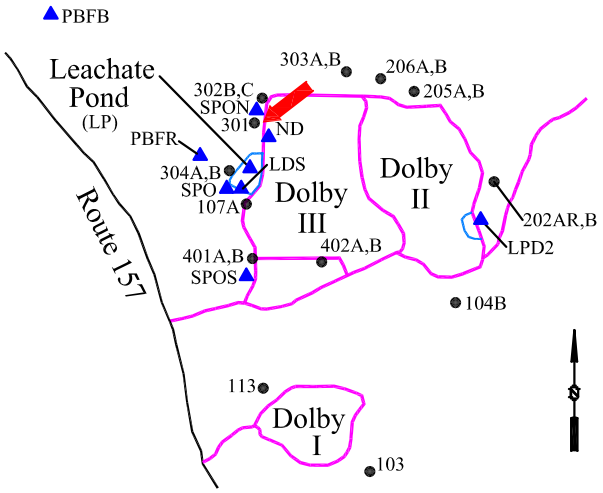
301

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the west of Dolby III Landfill.

Screen Interval:	**10 ft. to 15 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Sep-83**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		1896	1867	1803	338	to 2156	740	± 63	57
pH (STU)		6.6	6.6	6.8	5.9	to 7.07	6.8	± 0.04	57
Temperature (Deg C)		6.8	11	9.3	3.9	to 14.5	9	± 0.27	57
Water Level Depth (Feet)		4.19	4.85	4.28	3.46	to 5.89	4.3	± 0.12	30
Water Level Elevation (Feet)		347.15	346.49	347.06	345.33	to 347.88	350	± 0.12	57
Water Level Reference Point (Feet)		351.34	351.34	351.34	351.34	to 351.34	350	± 2E-06	30
Dissolved Oxygen (mg/L)		1.1	2.5	0.3	0.1	to 3.02	0.81	± 0.099	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.01 U	0.0062	± 0.000	55
Calcium (mg/L)		288	269	282	41.9	to 328	220	± 11	51
Iron (mg/L)		0.197	0.106	0.166	0.02 U	to 0.83	0.094	± 0.013	57
Magnesium (mg/L)		↑ 77.8	↑ 79.4	↑ 77	9	to 73.8	33	± 2.6	51
Manganese (mg/L)		**0.709**	**0.597**	**0.631**	0.034	to 1.2	0.62	± 0.033	57
Potassium (mg/L)		2.85	3.2	3.2	0.98	to 5.8	2.9	± 0.15	57
Sodium (mg/L)		↑ **72.6**	↑ **82.3**	↑ **80.8**	5.93	to 67.3	22	± 1.9	57
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to 0.5 U	0.14	± 0.007	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to 2 U	0.74	± 0.096	57
Total Dissolved Solids (mg/L)		1300	1200	1200	212	to 1300	710	± 45	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.38 U	to 41	3	± 0.72	57
Sulfate (mg/L)		44	42	38	9.3	to 49	18	± 1.1	57
Ca-mg Hardness (CaCO3) (mg/L)		1040	999	1020	125.8	to 1080	400	± 36	57
Bicarbonate (CaCO3) (mg/L)		1000	1000	1000	110	to 1100	540	± 39	57
Alkalinity (CaCO3) (mg/L)		1000	1000	1000	125.2	to 1100	560	± 38	57
Organic Carbon (mg/L)		17	17	17	1.1	to 24	5.7	± 0.53	57
Chloride (mg/L)		77	78	69	28.7	to 110	42	± 3.4	57
Turbidity (field) (NTU)		0.2	0.5	0.2	0	to 1.5	0.39	± 0.036	56

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

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Printed: 3/5/2020 14:29

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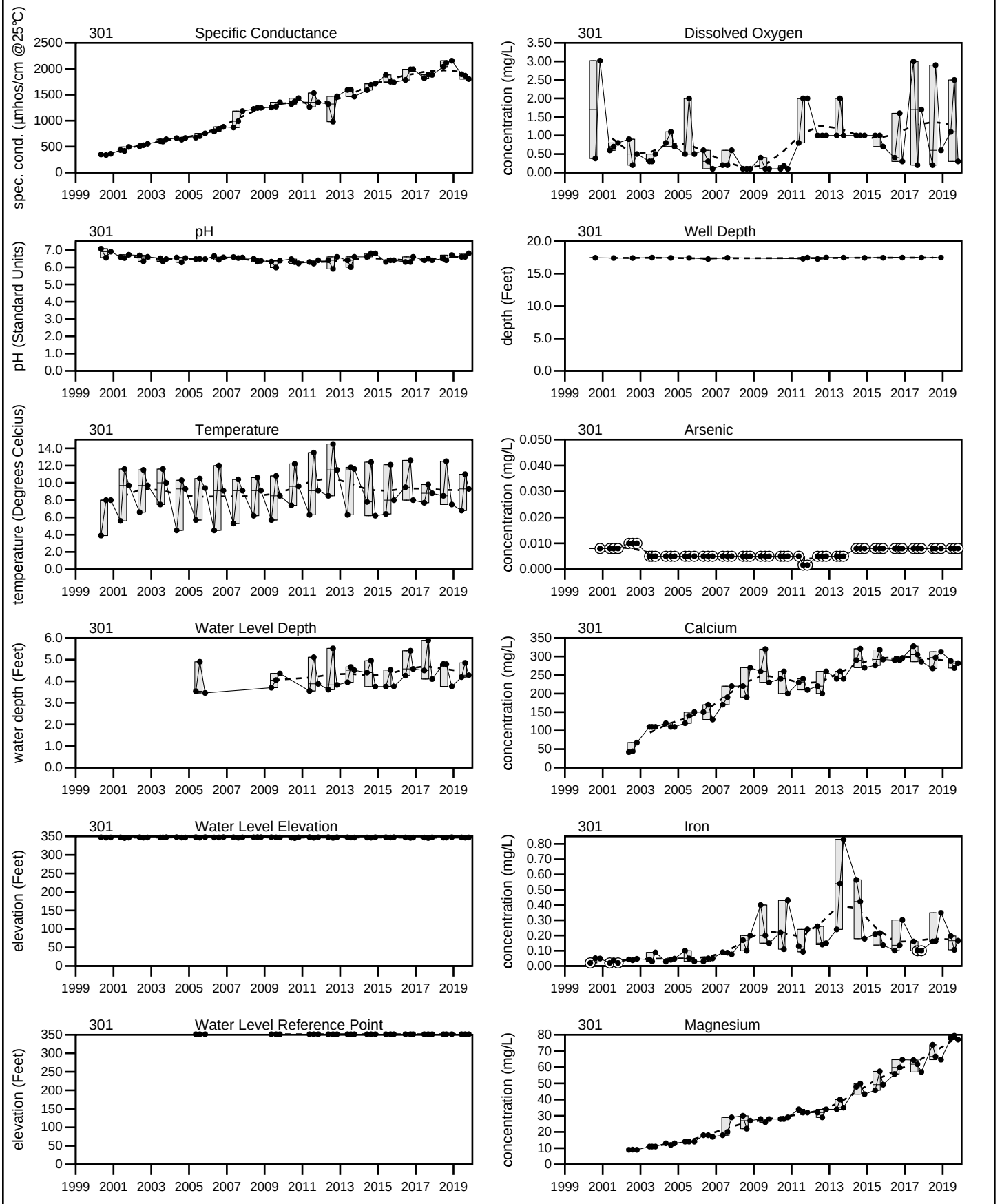


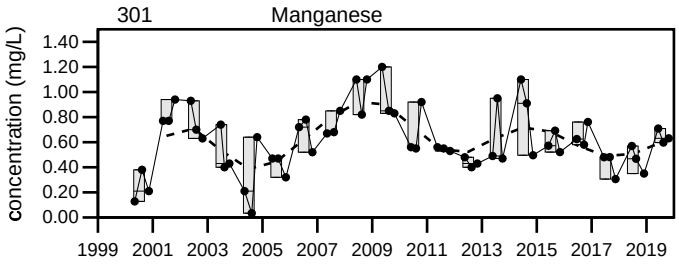
LEGEND

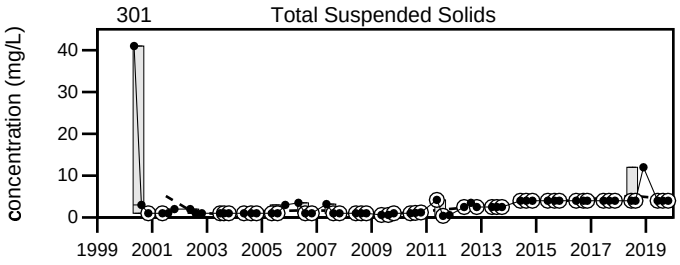
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

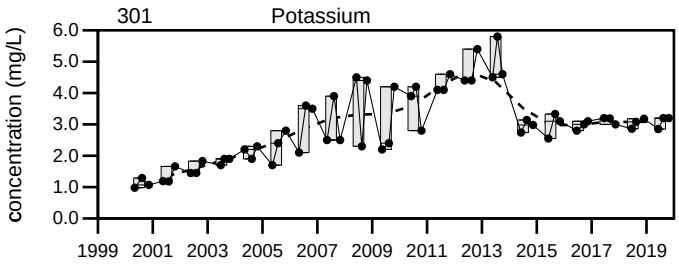
Dolby Landfill

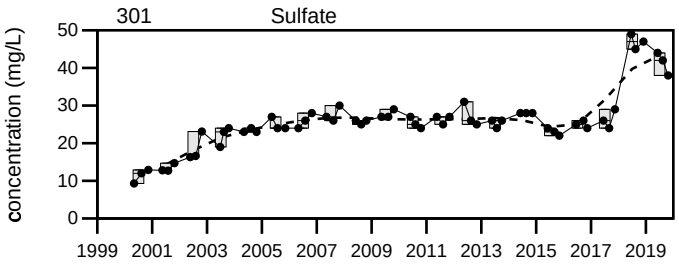
301

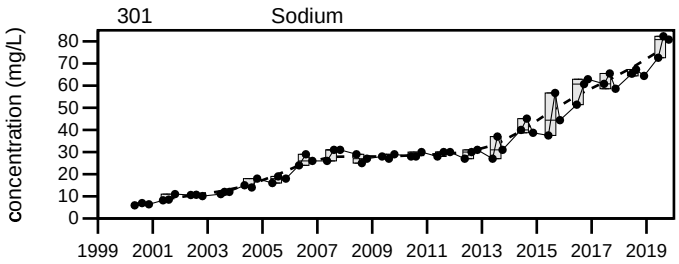
Sevee & Maher Engineers, Inc.

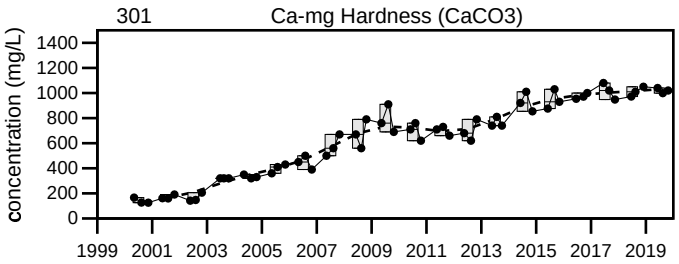


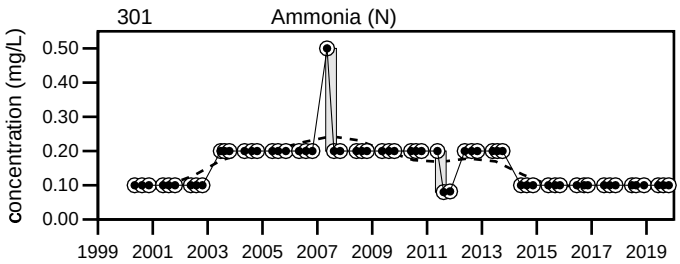


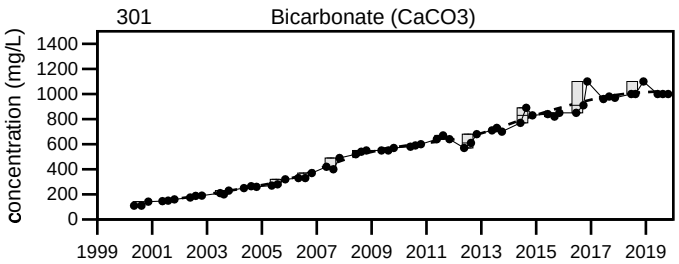


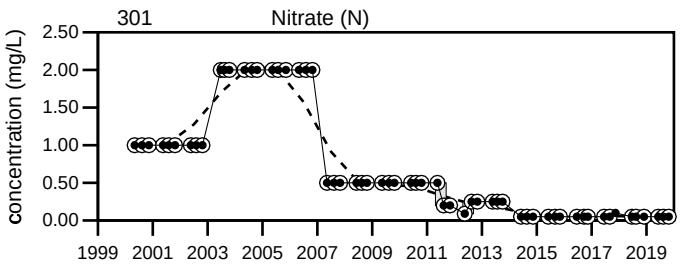


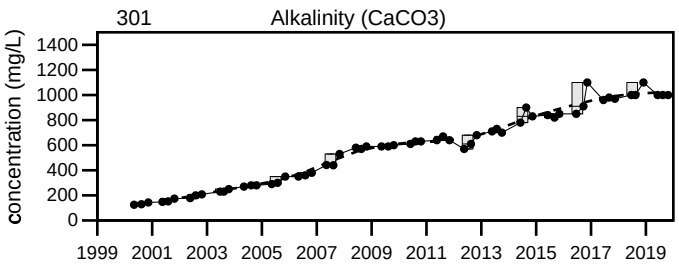


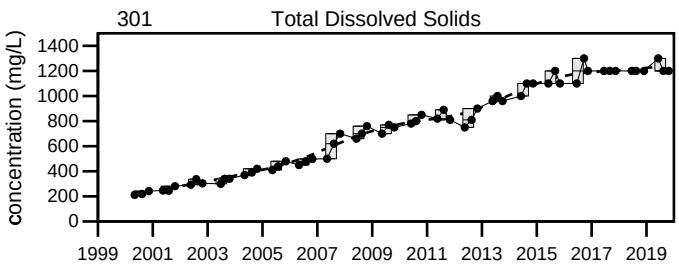


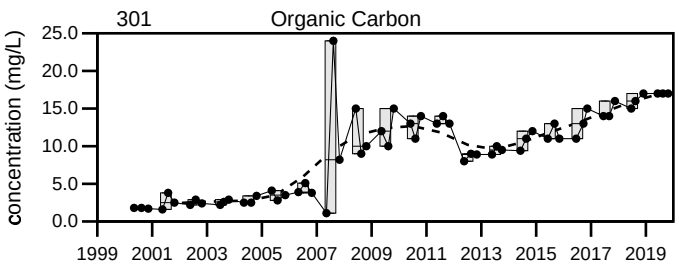


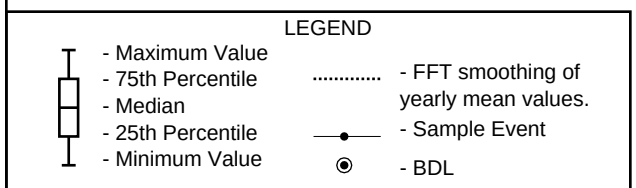








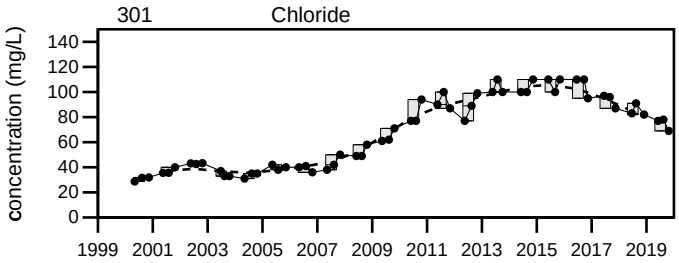


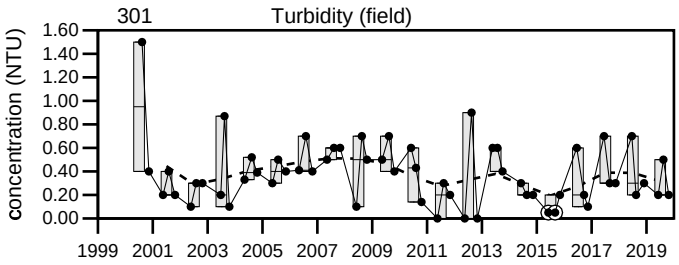


Dolby Landfill

301

Sevee & Maher Engineers, Inc.





LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

..... - FFT smoothing of yearly mean values.

—●— - Sample Event

◉ - BDL

Dolby Landfill

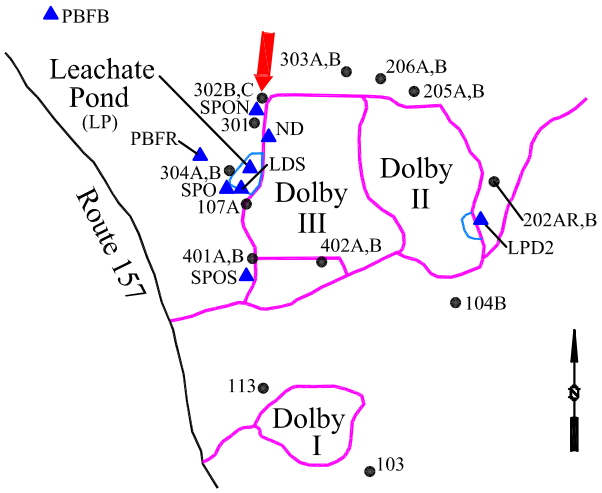
301

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the northwest of Dolby III Landfill.

Screen Interval:	**18.8 ft. to 23.8 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Sep-83**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Benzene (ug/L)				3 U	3 U	5 U	4	0.33	10
Toluene (ug/L)				5 U	5 U	5 U	5	0	10
Ethylbenzene (ug/L)				5 U	5 U	5 U	5	0	10
o-Xylene (ug/L)				5 U	5 U	5 U	5	0	10
m,p-Xylene (ug/L)				10 U	5 U	10 U	8.5	0.76	10
C11-C22 AROMATICS (ADJUSTED) (ug/L				95 U	94 U	101 U	95	1	7
C19-C36 ALIPHATICS (ADJUSTED) (ug/L				95 U	94 U	101 U	95	1	7
C5-C8 ALIPHATICS (ADJUSTED) (ug/L)				100 U	75 U	100 U	92	4.5	7
C9-C10 AROMATICS (ADJUSTED) (ug/L)				100 U	25 U	100 U	78	14	7
C9-C12 ALIPHATICS (ADJUSTED) (ug/L)				100 U	25 U	100 U	78	14	7
C9-C18 ALIPHATICS (ADJUSTED) (ug/L)				95 U	94 U	101 U	95	1	7
Methyltertiarybutylether (ug/L)				5 U	5 U	5 U	5	0	7
Naphthalene (ug/L)				5 U	4.81 U	10 U	5.6	0.63	8
Naphthalene (EPH) (ug/L)				1.9 U	1.9 U	1.9 U	1.9	0	4
2-Methylnaphthalene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Acenaphthylene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Acenaphthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Fluorene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Phenanthrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Anthracene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Fluoranthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Pyrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(a)Anthracene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Chrysene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(b)Fluoranthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(k)Fluoranthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(a)Pyrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Indeno(1,2,3-c,d)Pyrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Dibenz(a,h)Anthracene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(g,h,i)perylene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Acenaphthene MEG16=400 ug/L, Toluene MEG16=600 ug/L, MCL=1000 ug/L, Ethylbenzene MEG16=30 ug/L, MCL=700 ug/L, C11-C22 AROMATICS (ADJUSTED) MEG16=200 ug/L, C19-C36 ALIPHATICS (ADJUSTED) MEG16=10000 ug/L, C5-C8 ALIPHATICS (ADJUSTED) MEG16=300 ug/L, C9-C10 AROMATICS (ADJUSTED) MEG16=200 ug/L, C9-C12 ALIPHATICS (ADJUSTED) MEG16=700 ug/L, C9-C18 ALIPHATICS (ADJUSTED) MEG16=700 ug/L, Methyltertiarybutylether MEG16=35 ug/L, Benzene MEG16=4 ug/L, MCL=5 ug/L, 2-Methylnaphthalene MEG16=30 ug/L, Dibenz(a,h)Anthracene MEG16=0.05 ug/L, Fluorene MEG16=300 ug/L, Anthracene MEG16=2000 ug/L, Fluoranthene MEG16=300 ug/L, Pyrene MEG16=200 ug/L, Benzo(a)Anthracene MEG16=0.5 ug/L, Chrysene

MEG16=50 ug/L, Benzo(b)Fluoranthene MEG16=0.5 ug/L, Benzo(k)Fluoranthene MEG16=5 ug/L, Benzo(a)Pyrene MEG16=0.05 ug/L, MCL=0.2 ug/L, Indeno(1,2,3-c,d)Pyrene MEG16=0.5 ug/L, Naphthalene MEG16=10 ug/L

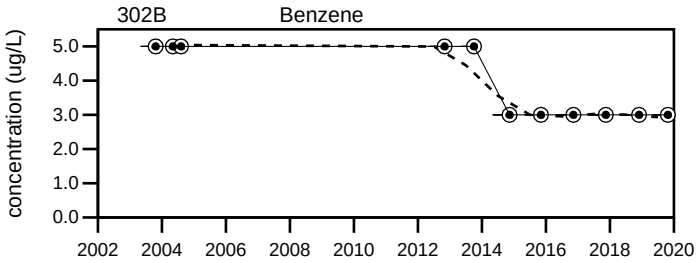
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

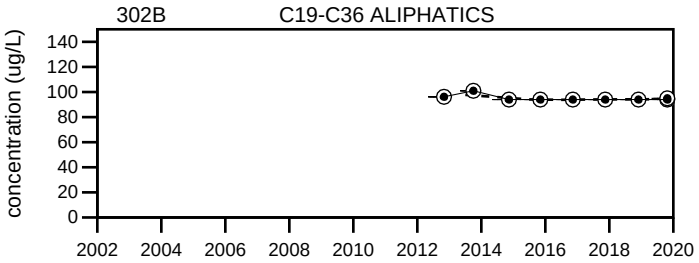
Comments

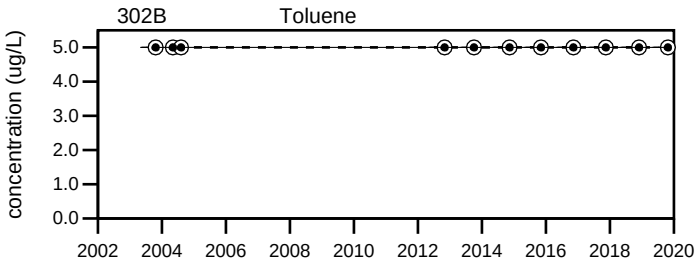
Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

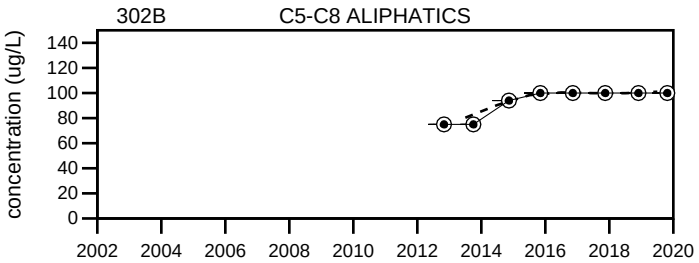
Q3= 8 - 2019

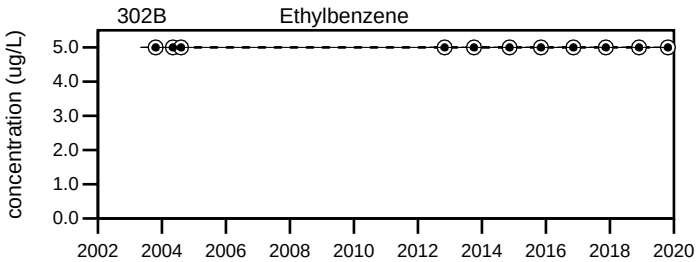
Q4= 10 - 2019

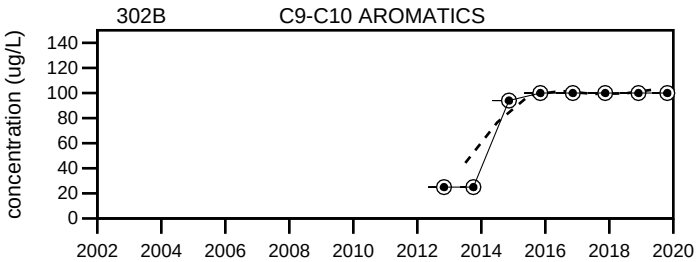


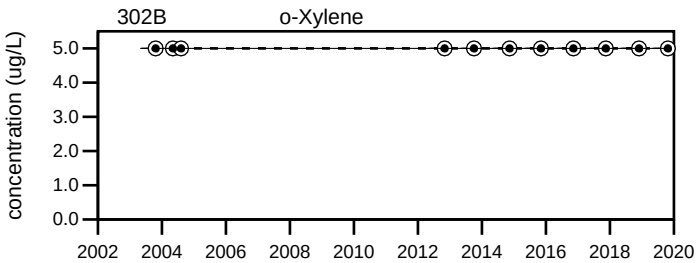


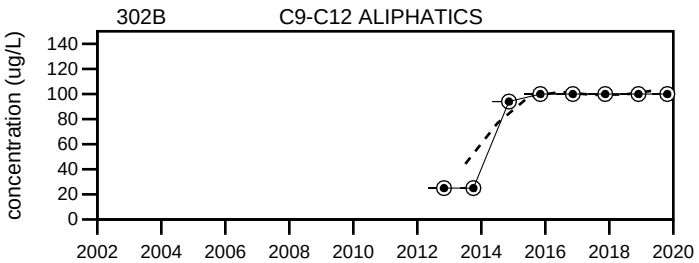


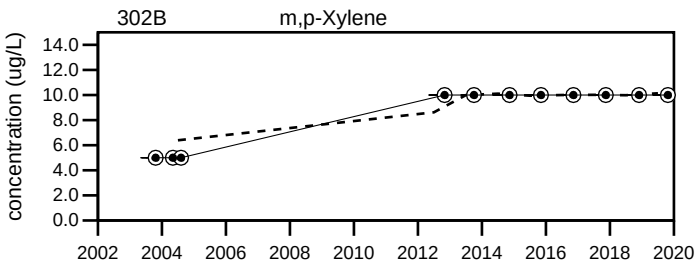


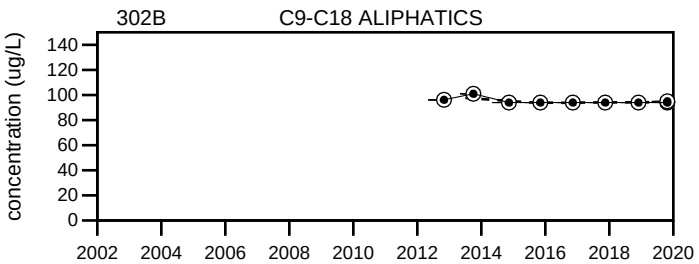


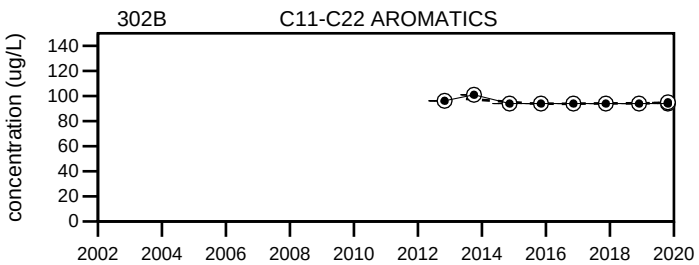


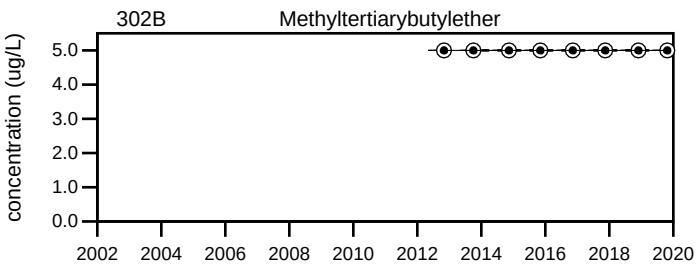


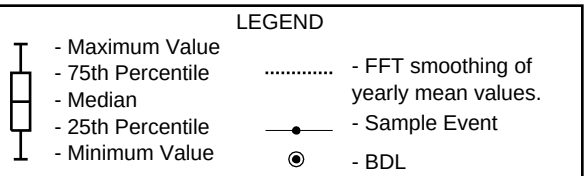








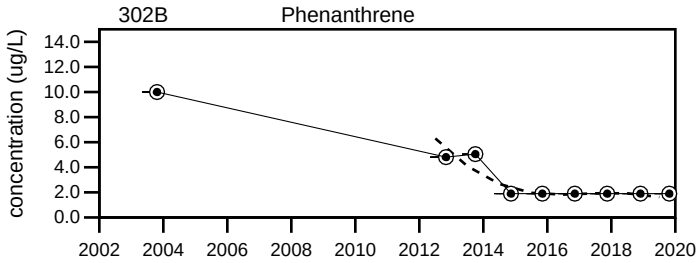


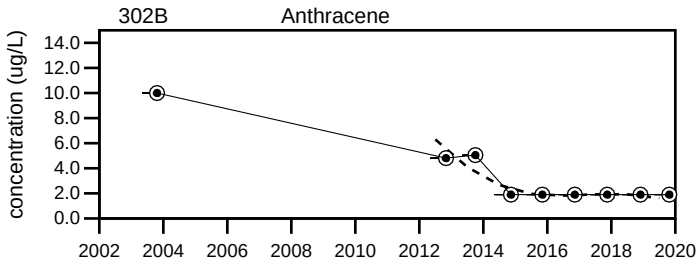


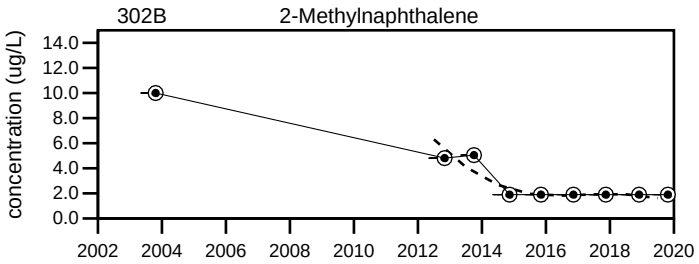
Dolby Landfill

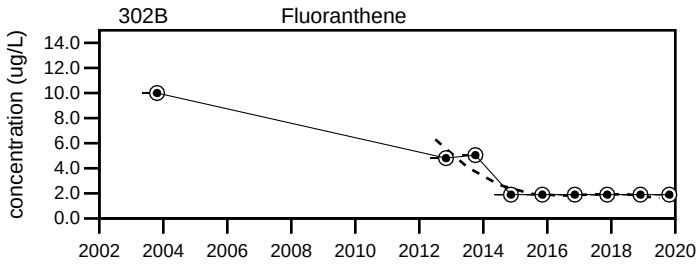
302B

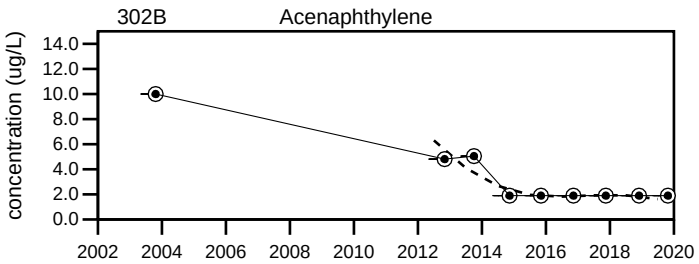
Sevee & Maher Engineers, Inc.

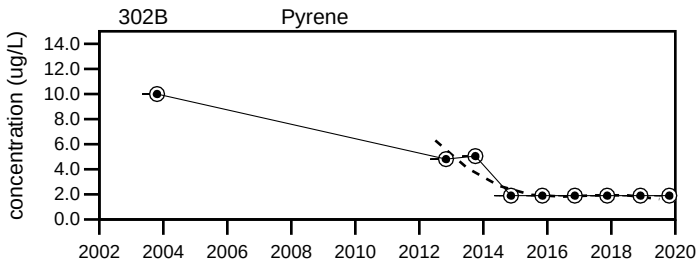


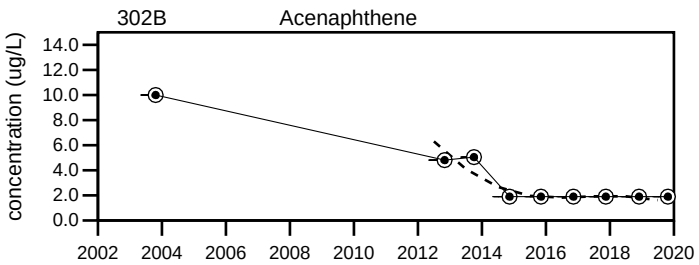


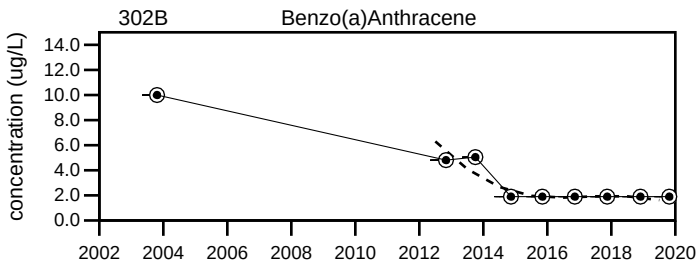


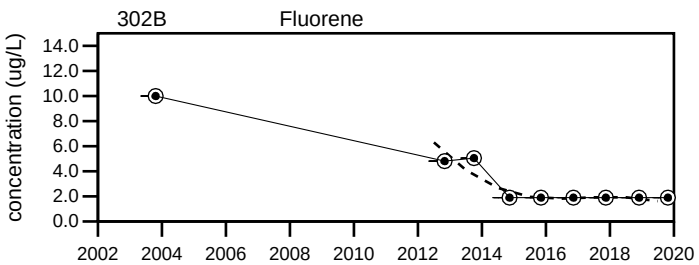


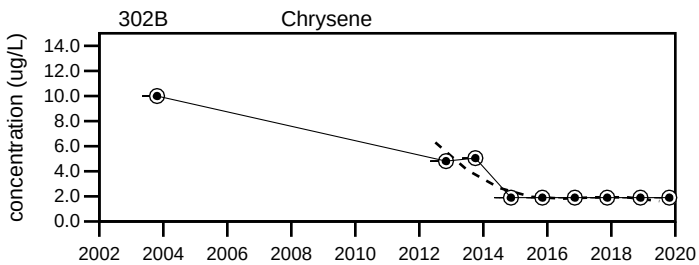


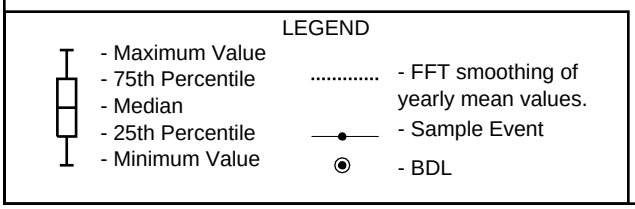








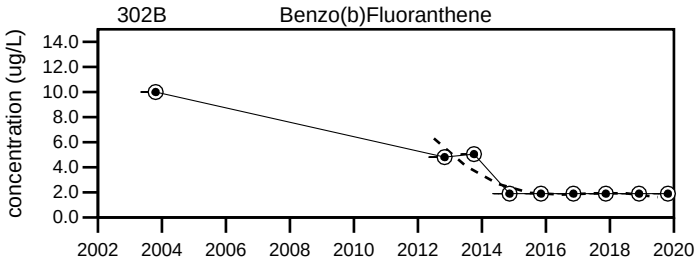


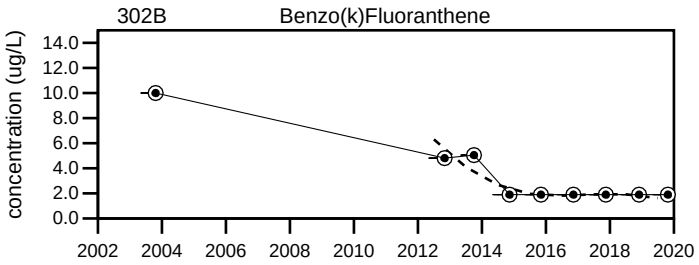


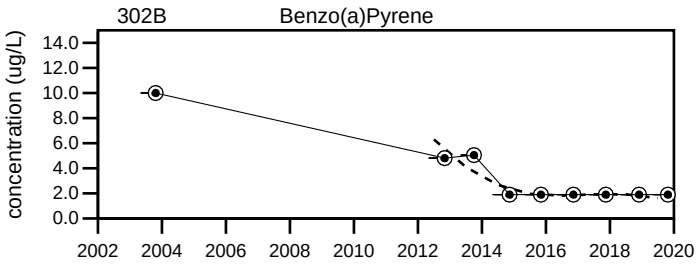
Dolby Landfill

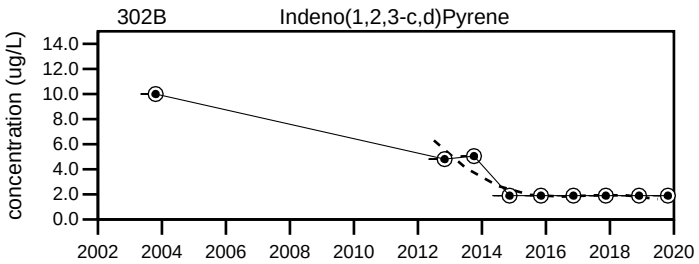
302B

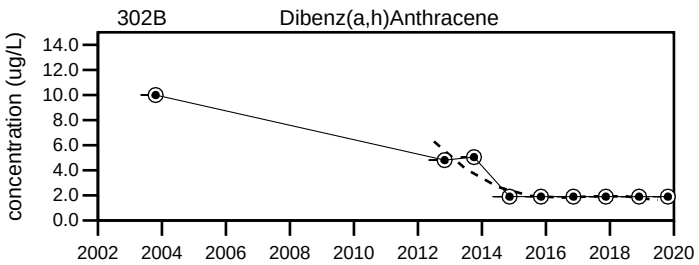
Sevee & Maher Engineers, Inc.

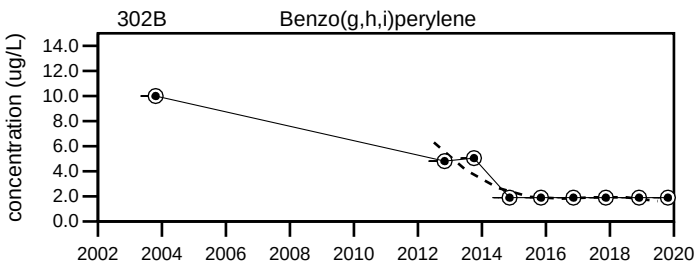


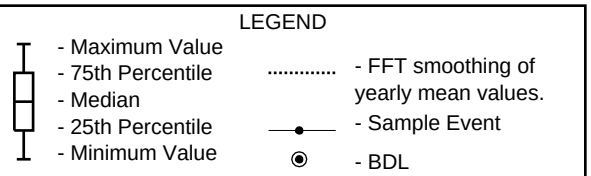












Dolby Landfill

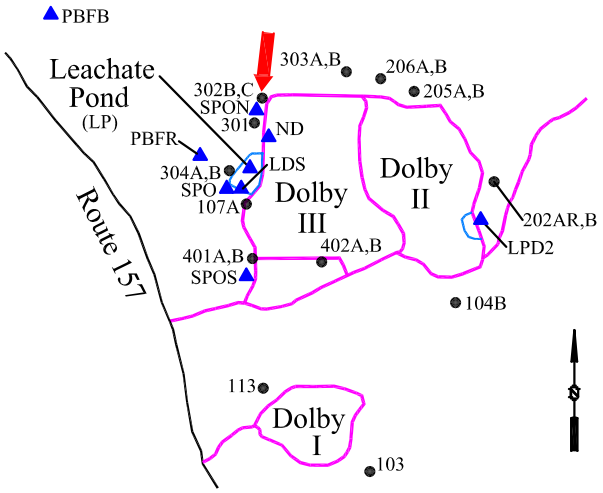
302B

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the northwest of Dolby III Landfill.

Screen Interval:	**18.8 ft. to 23.8 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Sep-83**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		1591	1653	1560	121	to 1709	660	± 53	57
pH (STU)		6.6	6.6	6.7	5.77	to 8.9	6.5	± 0.046	57
Temperature (Deg C)		8.5	14.3	8.6	5	to 14.8	8.8	± 0.26	57
Water Level Depth (Feet)		6.04	7.46	6.72	4.62	to 8.8	6.4	± 0.21	30
Water Level Elevation (Feet)		348.12	346.7	347.44	345.36	to 349.54	350	± 0.13	57
Water Level Reference Point (Feet)		354.16	354.16	354.16	354.16	to 354.16	350	± 2E-06	30
Dissolved Oxygen (mg/L)		↑ 12.5	↑ 6	0.5	0.1	to 4	0.92	± 0.087	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.02 U	0.0064	± 0.000	55
Calcium (mg/L)		230	↑ 234	↑ 247	82.2	to 230	190	± 5.4	51
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.01 U	to 0.21	0.039	± 0.005	57
Magnesium (mg/L)		↑ 63.6	↑ 67.7	59.3	7.3	to 60.8	30	± 1.9	51
Manganese (mg/L)		**35.5**	↑ **39.8**	↑ **37.5**	1.118	to 35.6	14	± 1.3	57
Potassium (mg/L)		4.22	↑ 5.06	↑ 4.85	1.16	to 4.7	2.6	± 0.12	57
Sodium (mg/L)		↑ **61.1**	↑ **65.2**	↑ **60.6**	6.5	to 55.8	22	± 1.8	57
Ammonia (N) (mg/L)		↑ 0.81	↑ 1.1	↑ 0.86	0.08 U	to 0.79	0.17	± 0.013	57
Nitrate (N) (mg/L)		0.068	0.05 U	0.05 U	0.05 U	to 2 U	0.75	± 0.095	57
Total Dissolved Solids (mg/L)		1000	↑ 1100	1000	224	to 1000	680	± 29	57
Total Suspended Solids (mg/L)		4.4	4 U	4 U	0.32 U	to 9	2.2	± 0.22	57
Sulfate (mg/L)		1 U	1 U	13	1 U	to 78	19	± 1.6	57
Ca-mg Hardness (CaCO3) (mg/L)		↑ 837	↑ 863	↑ 861	143.9	to 768	340	± 28	57
Bicarbonate (CaCO3) (mg/L)		↑ 880	↑ 900	820	81	to 840	510	± 27	57
Alkalinity (CaCO3) (mg/L)		↑ 880	↑ 900	820	88.9	to 840	520	± 27	57
Organic Carbon (mg/L)		25	28	24	3.1	to 34	10	± 0.89	57
Chloride (mg/L)		69	76	72	38	to 82	33	± 2.7	57
Turbidity (field) (NTU)		0.4	0.8	0.5	0	to 1.8	0.37	± 0.036	56

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 180
Printed: 3/5/2020 14:29

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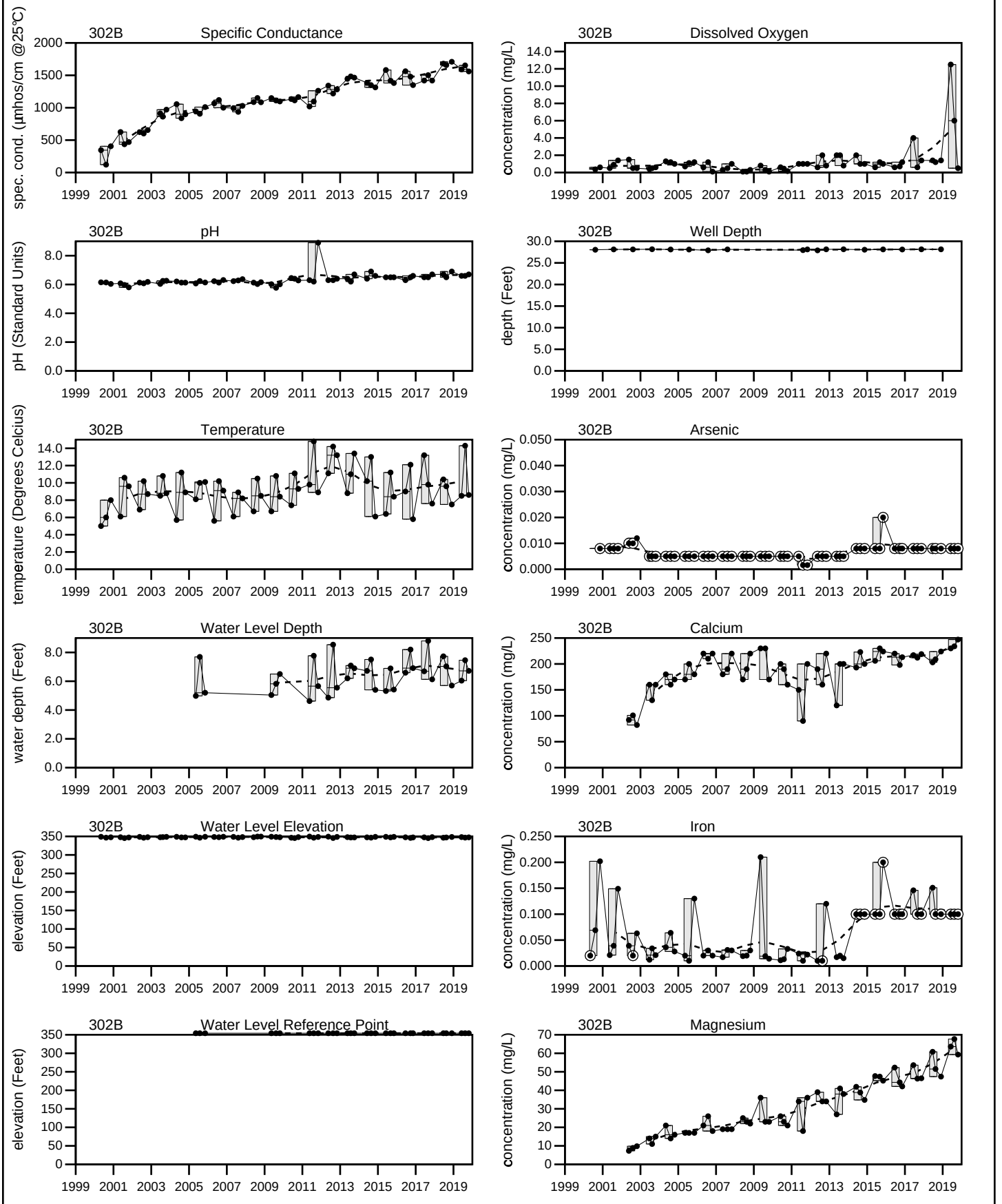


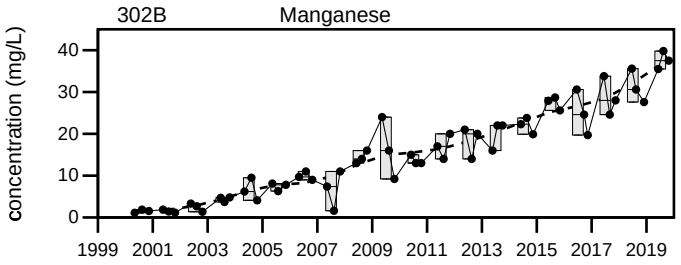
LEGEND

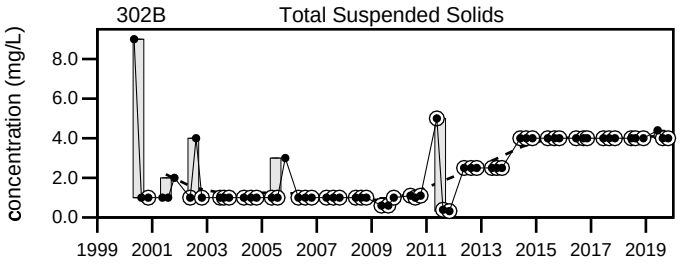
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

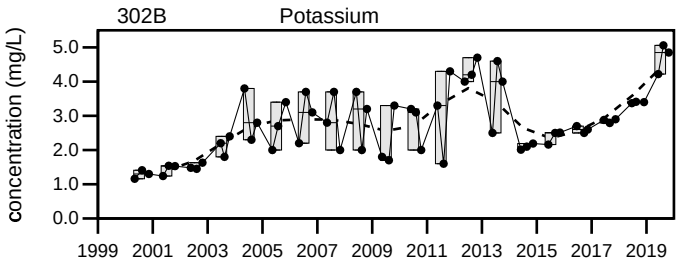
Dolby Landfill

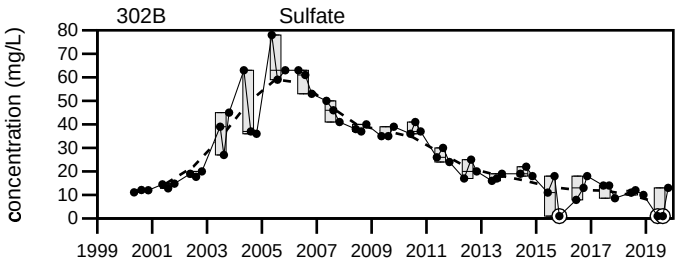
302B

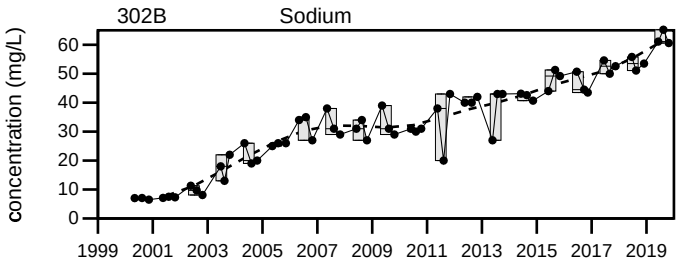
Sevee & Maher Engineers, Inc.

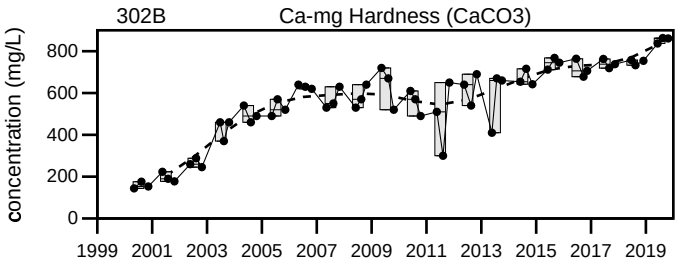


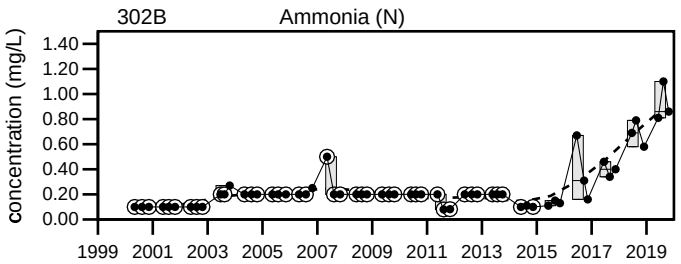


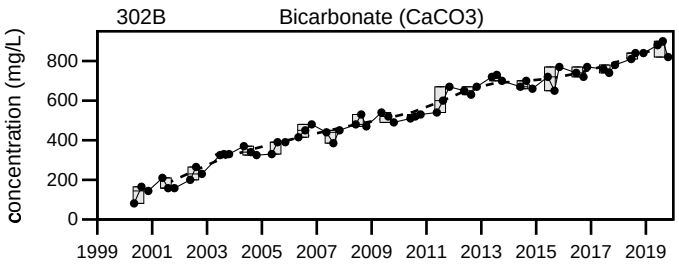


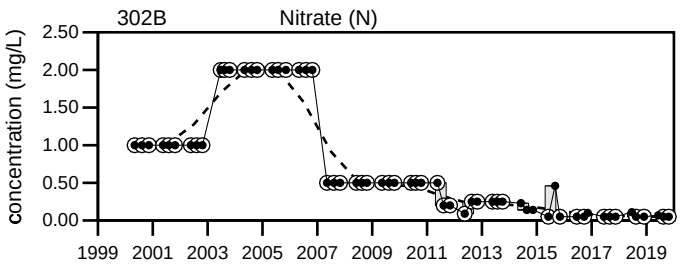


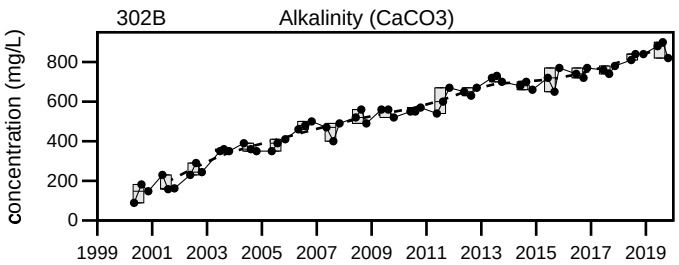


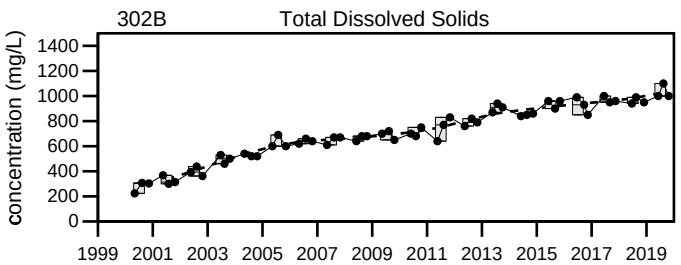


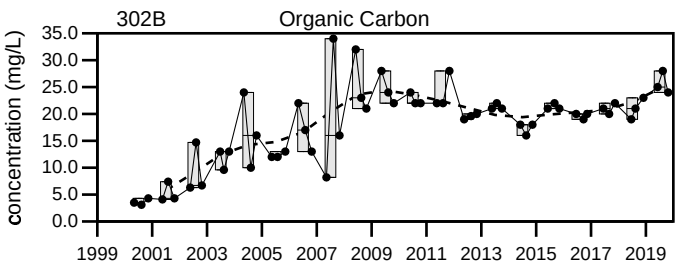


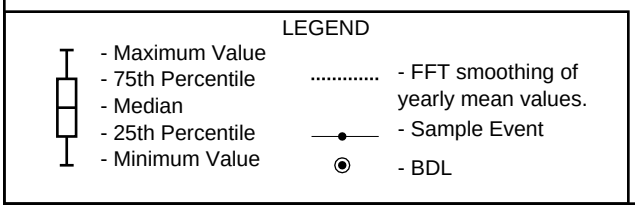








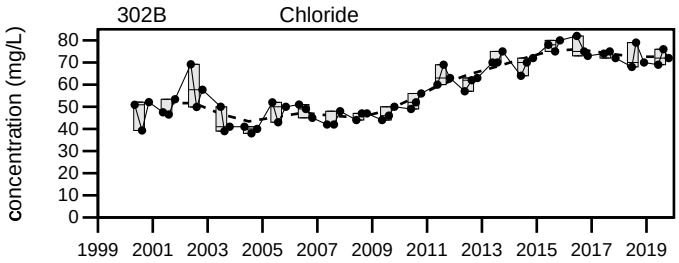


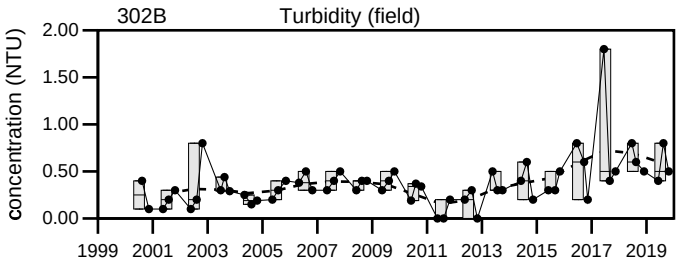


Dolby Landfill

302B

Sevee & Maher Engineers, Inc.





LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

..... - FFT smoothing of yearly mean values.

—●— - Sample Event

◉ - BDL

Dolby Landfill

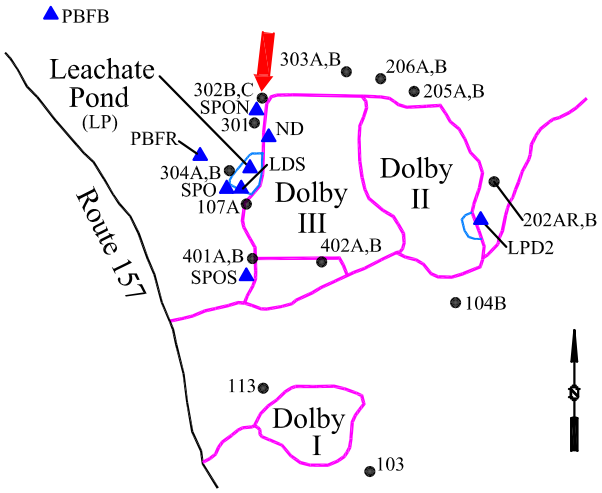
302B

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the northwest of Dolby III Landfill.

Screen Interval:	**6 ft. to 11 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Sep-83**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Benzene (ug/L)				3 U	3 U	5 U	4	0.33	10
Toluene (ug/L)				5 U	5 U	5 U	5	0	10
Ethylbenzene (ug/L)				5 U	5 U	5 U	5	0	10
o-Xylene (ug/L)				5 U	5 U	5 U	5	0	10
m,p-Xylene (ug/L)				10 U	5 U	10 U	8.5	0.76	10
C11-C22 AROMATICS (ADJUSTED) (ug/L				95 U	94 U	630	170	76	7
C19-C36 ALIPHATICS (ADJUSTED) (ug/L				95 U	94 U	1900	350	260	7
C5-C8 ALIPHATICS (ADJUSTED) (ug/L)				100 U	75 U	100 U	92	4.5	7
C9-C10 AROMATICS (ADJUSTED) (ug/L)				100 U	25 U	100 U	78	14	7
C9-C12 ALIPHATICS (ADJUSTED) (ug/L)				100 U	25 U	100 U	78	14	7
C9-C18 ALIPHATICS (ADJUSTED) (ug/L)				95 U	94 U	150	100	7.8	7
Methyltertiarybutylether (ug/L)				5 U	5 U	5 U	5	0	7
Naphthalene (ug/L)				5 U	4.81 U	10 U	5.6	0.63	8
Naphthalene (EPH) (ug/L)				1.9 U	1.9 U	1.9 U	1.9	0	4
2-Methylnaphthalene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Acenaphthylene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Acenaphthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Fluorene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Phenanthrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Anthracene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Fluoranthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Pyrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(a)Anthracene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Chrysene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(b)Fluoranthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(k)Fluoranthene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(a)Pyrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Indeno(1,2,3-c,d)Pyrene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Dibenz(a,h)Anthracene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8
Benzo(g,h,i)perylene (ug/L)				1.9 U	1.9 U	10 U	3.7	1	8

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Acenaphthene MEG16=400 ug/L, Toluene MEG16=600 ug/L, MCL=1000 ug/L, Ethylbenzene MEG16=30 ug/L, MCL=700 ug/L, C11-C22 AROMATICS (ADJUSTED) MEG16=200 ug/L, C19-C36 ALIPHATICS (ADJUSTED) MEG16=10000 ug/L, C5-C8 ALIPHATICS (ADJUSTED) MEG16=300 ug/L, C9-C10 AROMATICS (ADJUSTED) MEG16=200 ug/L, C9-C12 ALIPHATICS (ADJUSTED) MEG16=700 ug/L, C9-C18 ALIPHATICS (ADJUSTED) MEG16=700 ug/L, Methyltertiarybutylether MEG16=35 ug/L, Benzene MEG16=4 ug/L, MCL=5 ug/L, 2-Methylnaphthalene MEG16=30 ug/L, Dibenz(a,h)Anthracene MEG16=0.05 ug/L, Fluorene MEG16=300 ug/L, Anthracene MEG16=2000 ug/L, Fluoranthene MEG16=300 ug/L, Pyrene MEG16=200 ug/L, Benzo(a)Anthracene MEG16=0.5 ug/L, Chrysene

MEG16=50 ug/L, Benzo(b)Fluoranthene MEG16=0.5 ug/L, Benzo(k)Fluoranthene MEG16=5 ug/L, Benzo(a)Pyrene MEG16=0.05 ug/L, MCL=0.2 ug/L, Indeno(1,2,3-c,d)Pyrene MEG16=0.5 ug/L, Naphthalene MEG16=10 ug/L

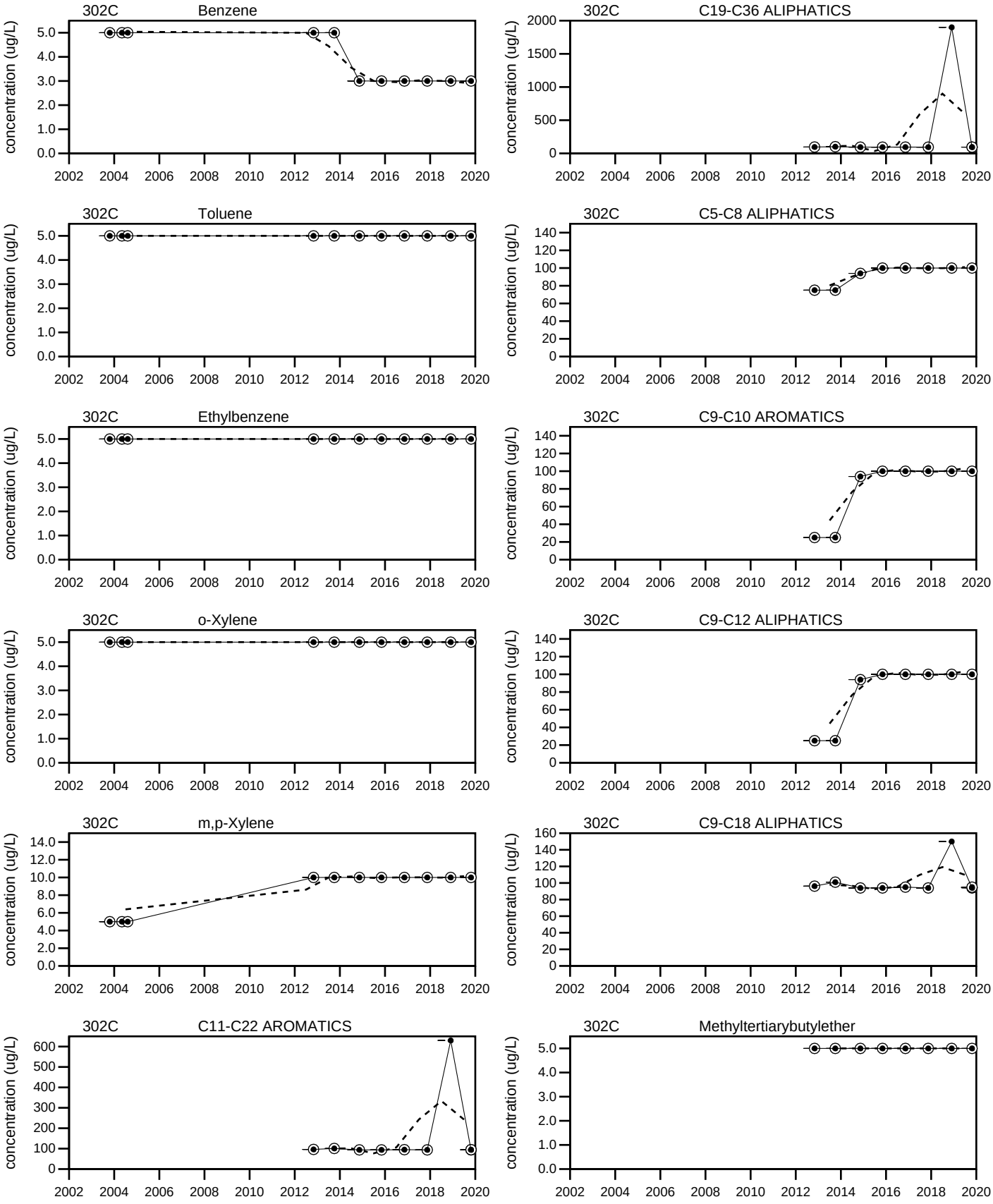
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019



Dolby Landfill

302C

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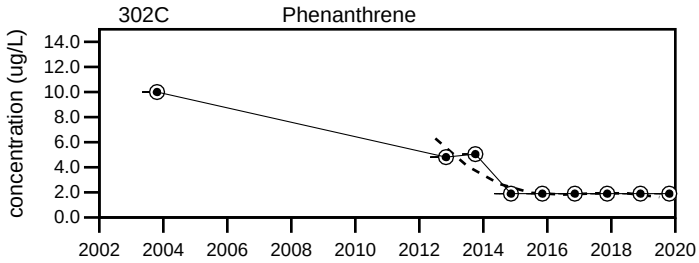
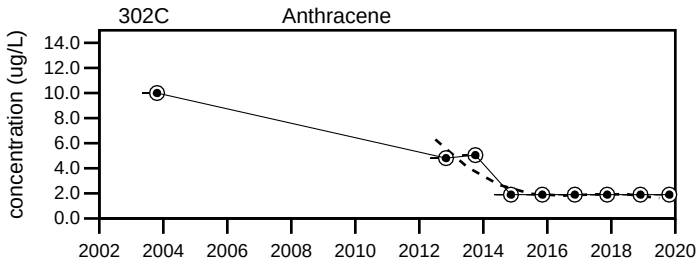
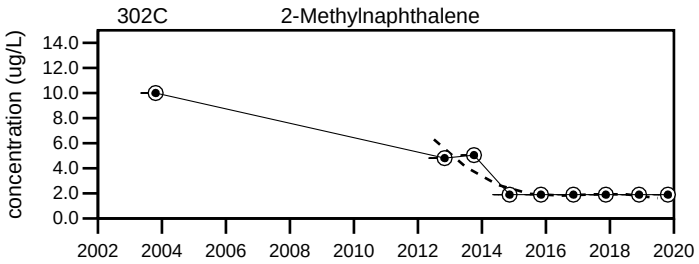
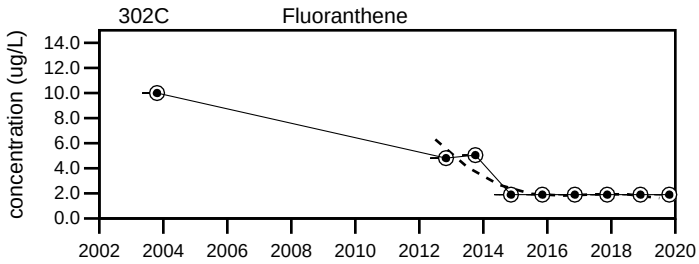
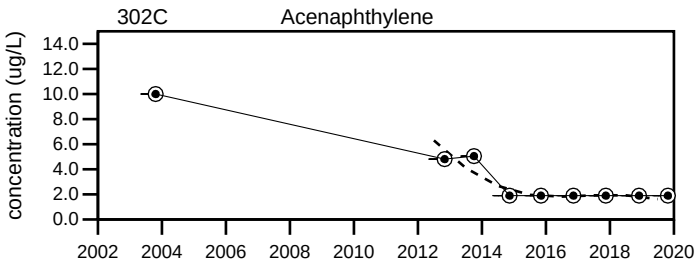
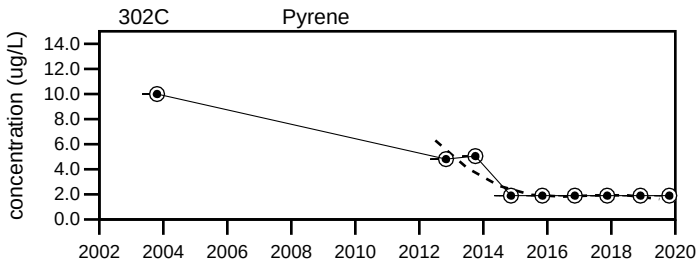


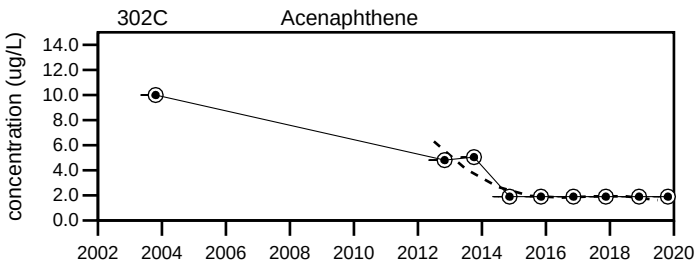


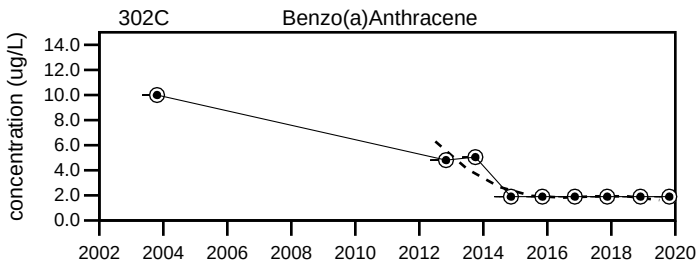


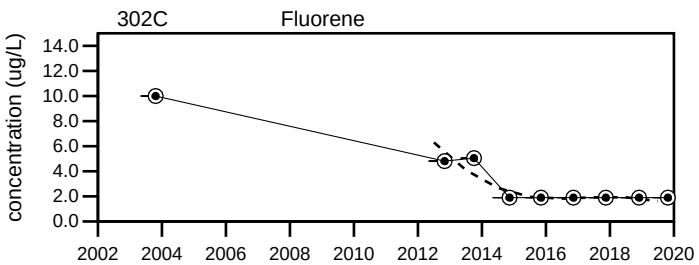


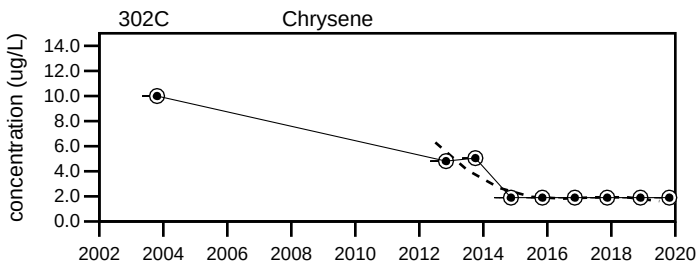


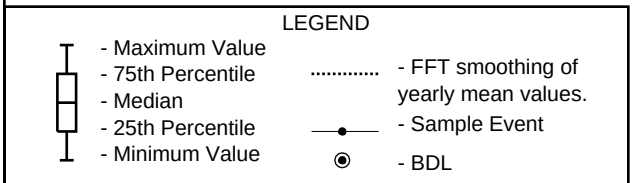








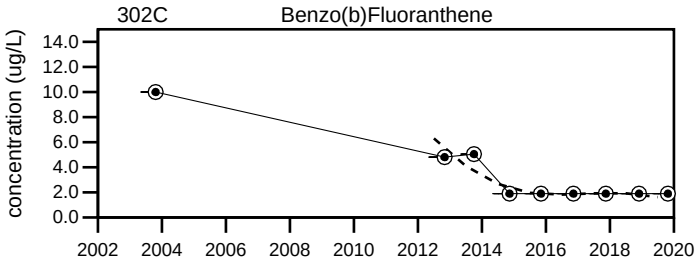


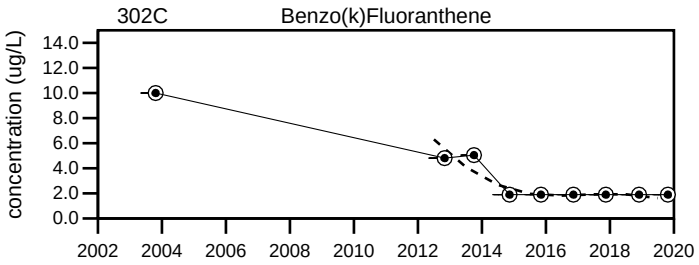


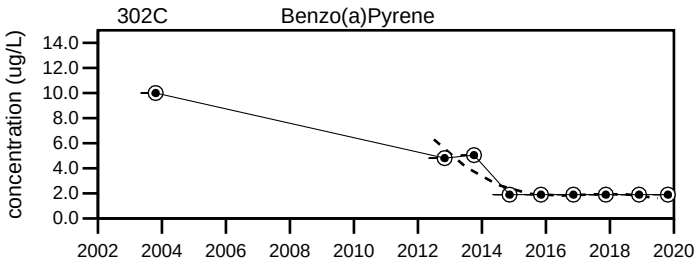
Dolby Landfill

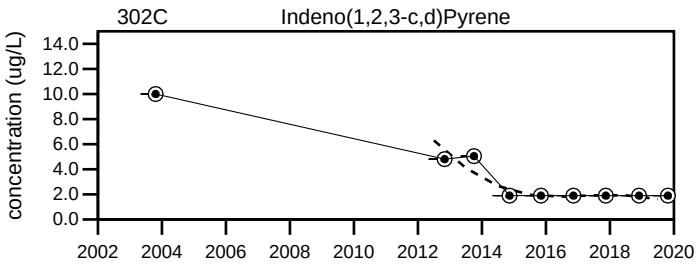
302C

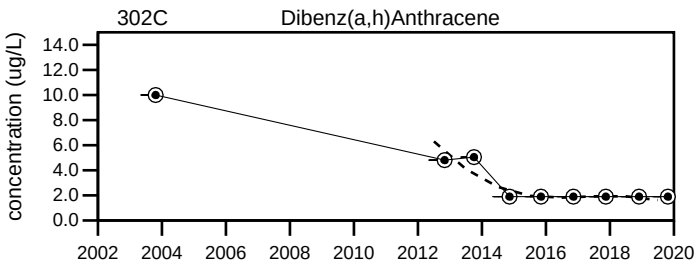
Sevee & Maher Engineers, Inc.

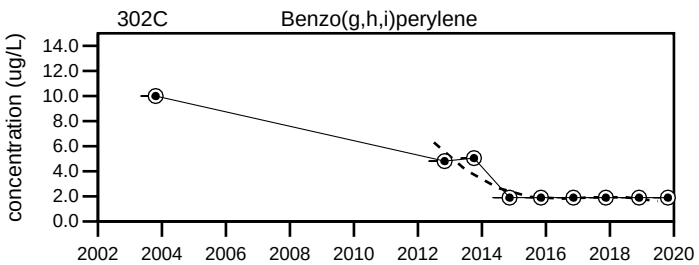


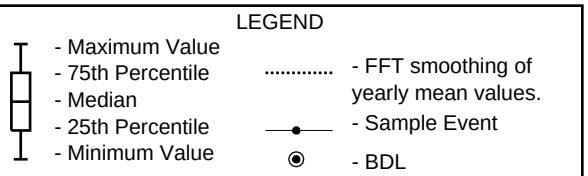












Dolby Landfill

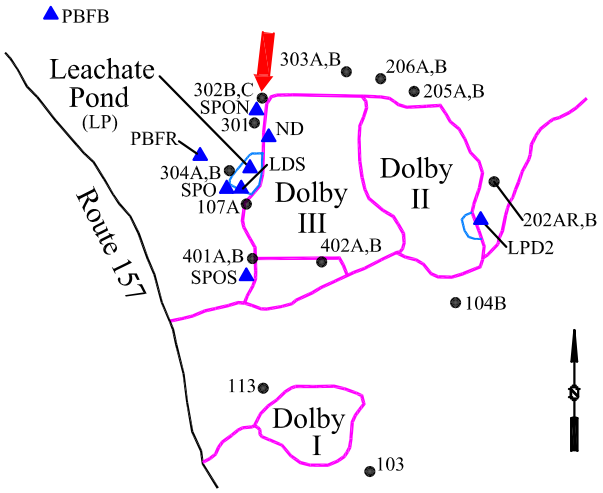
302C

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the northwest of Dolby III Landfill.

Screen Interval:	**6 ft. to 11 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Sep-83**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		1483	1518	1305	292	to 1793	610	± 53	57
pH (STU)		6.5	6.5	6.7	5.71	to 7.4	6.2	± 0.035	57
Temperature (Deg C)		7.4	13.8	9.7	4.5	to 13.8	9	± 0.26	57
Water Level Depth (Feet)		6.31	7.43	6.86	4.78	to 8.91	6.5	± 0.21	30
Water Level Elevation (Feet)		346.9	345.78	346.35	344.12	to 348.43	350	± 0.13	57
Water Level Reference Point (Feet)		353.21	353.21	353.21	353.21	to 353.21	350	± 2E-06	30
Dissolved Oxygen (mg/L)		↑6.6	↑4.5	0.4	0.1	to 2.7	0.74	± 0.074	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.02 U	0.0064	± 0.000	55
Calcium (mg/L)		185	187	173	72	to 240	160	± 4.6	51
Iron (mg/L)		0.167	1.11	0.673	0.02 U	to 2.442	0.37	± 0.05	57
Magnesium (mg/L)		↑74	65.2	55.7	9.2	to 69.5	37	± 2.1	51
Manganese (mg/L)		↑**55**	**44.7**	**41.3**	0.171	to 50.5	20	± 1.9	57
Potassium (mg/L)		↑11.4	4.49	4.75	1.19	to 10.5	3.1	± 0.2	57
Sodium (mg/L)		**60.7**	**60.1**	**51.6**	6.98	to 60.8	22	± 2	57
Ammonia (N) (mg/L)		↑4	0.72	0.71	0.08 U	to 3.6	0.27	± 0.045	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to 2 U	0.74	± 0.097	57
Total Dissolved Solids (mg/L)		↑1100	990	860	189	to 1000	630	± 29	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to 23	2.5	± 0.41	57
Sulfate (mg/L)		1 U	1 U	6.1	1 U	to 79	17	± 1.8	57
Ca-mg Hardness (CaCO3) (mg/L)		↑767	736	661	105.5	to 756	300	± 27	57
Bicarbonate (CaCO3) (mg/L)		870	↑890	730	39	to 880	480	± 30	57
Alkalinity (CaCO3) (mg/L)		880	↑890	730	47.3	to 880	490	± 29	57
Organic Carbon (mg/L)		28	27	22	2.6	to 48	10	± 0.94	57
Chloride (mg/L)		60	60	45	26	to 140	32	± 2.6	57
Turbidity (field) (NTU)		0.5	0.3	0.2	0	to 1.2	0.33	± 0.031	56

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

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Printed: 3/5/2020 14:29

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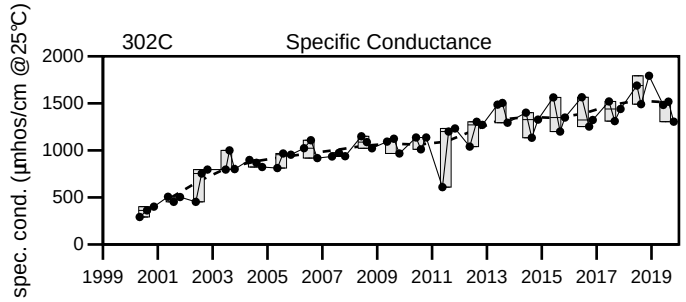

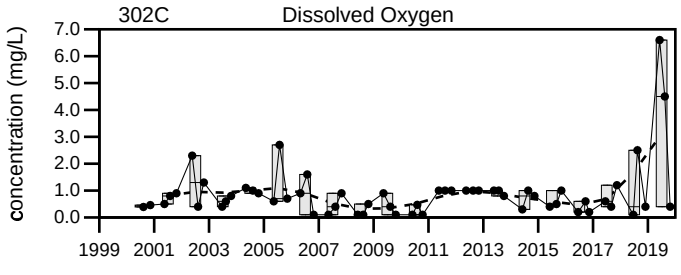

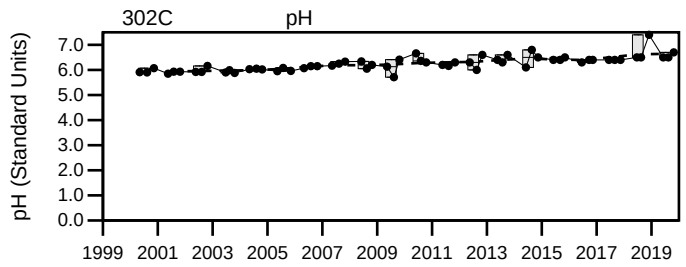

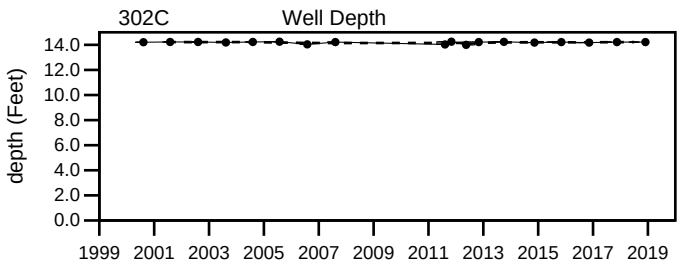

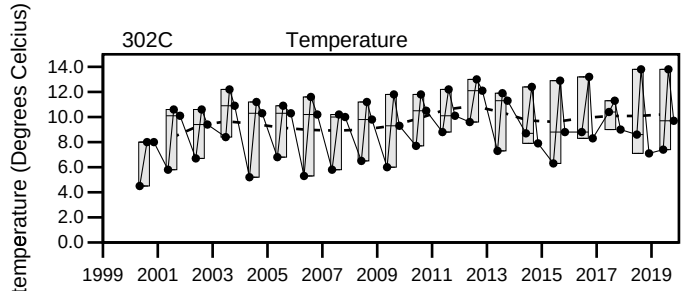

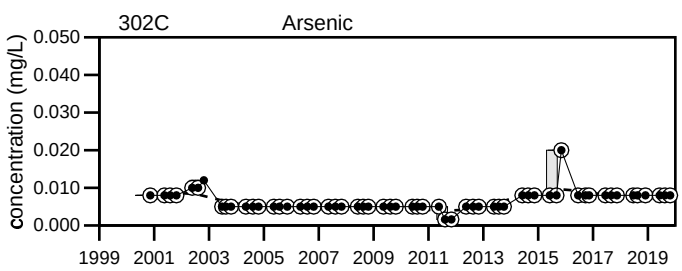

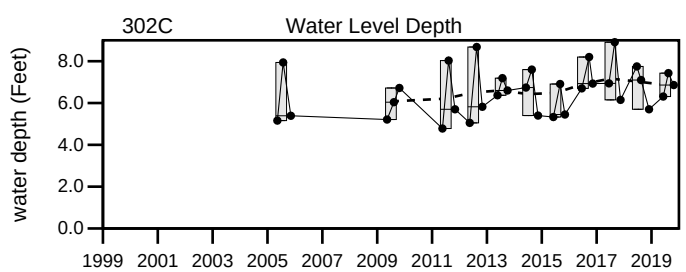

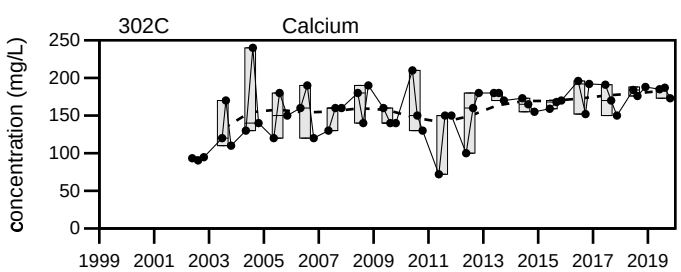

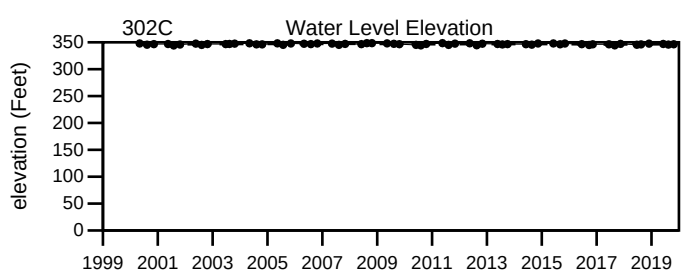

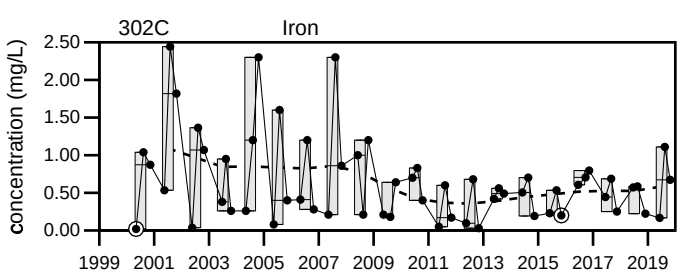

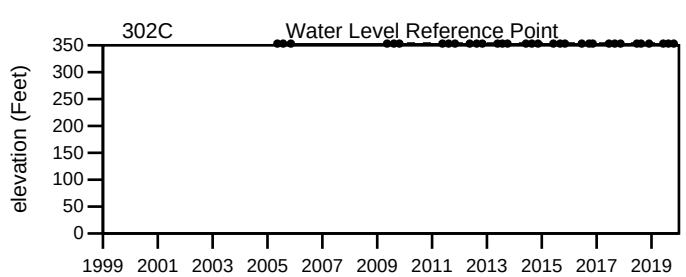

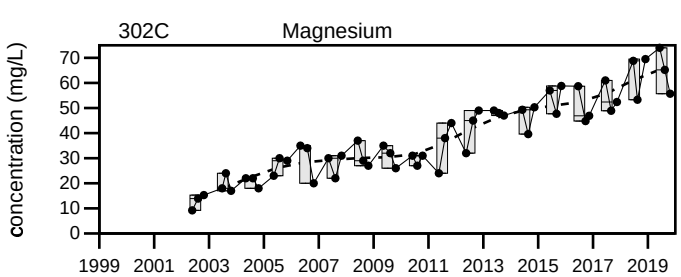

LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

302C

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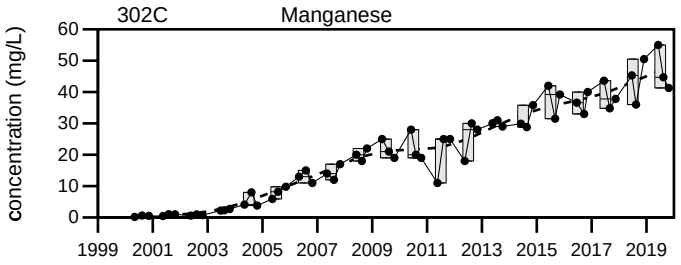
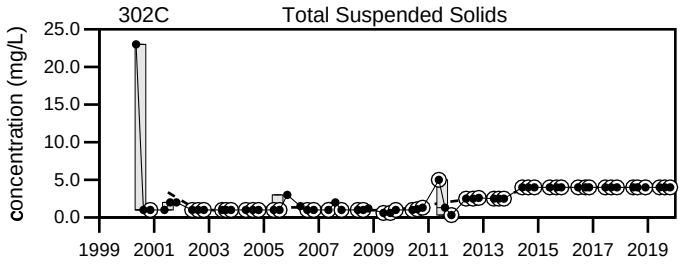
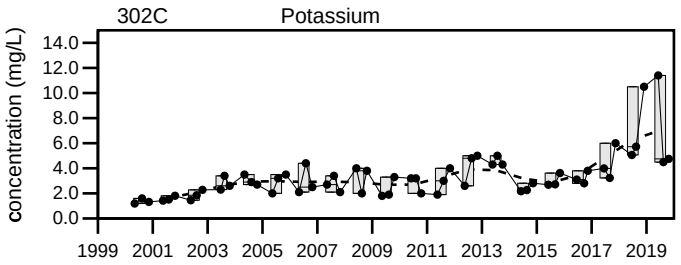
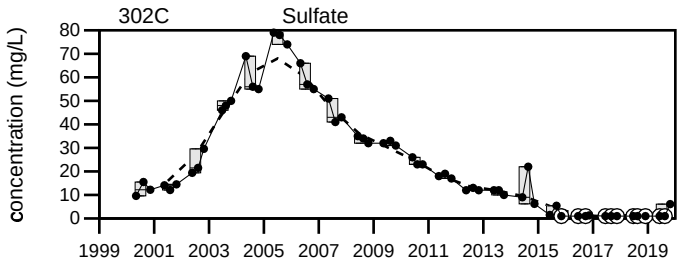
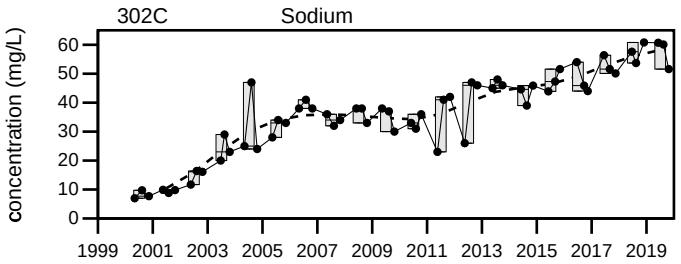
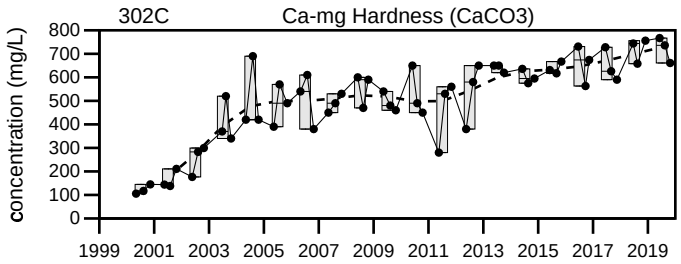


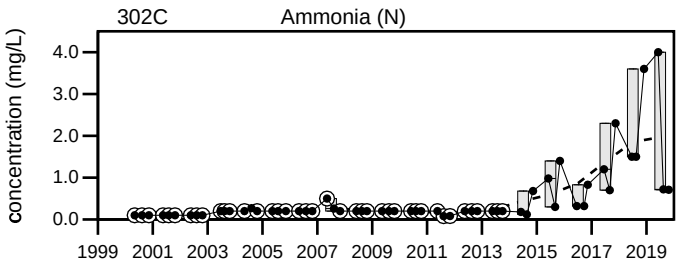


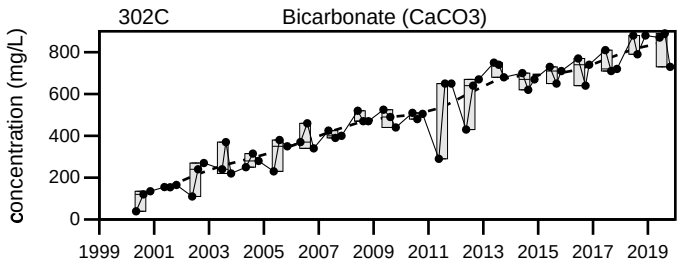


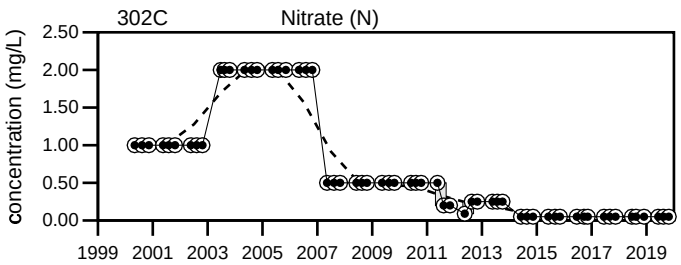


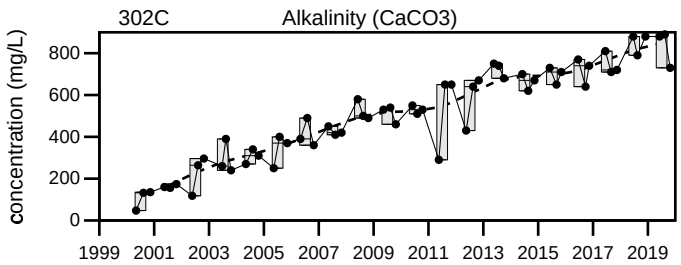


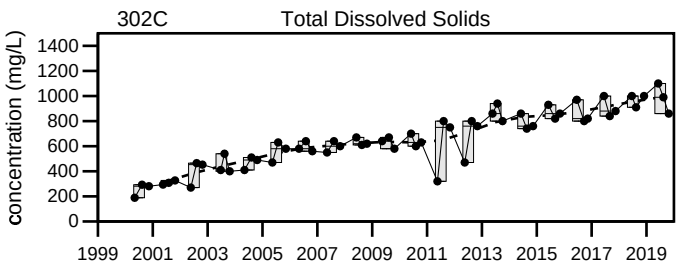


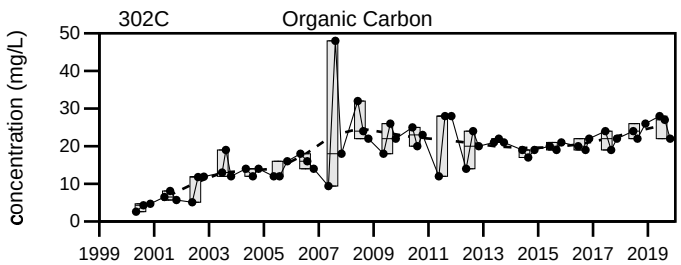


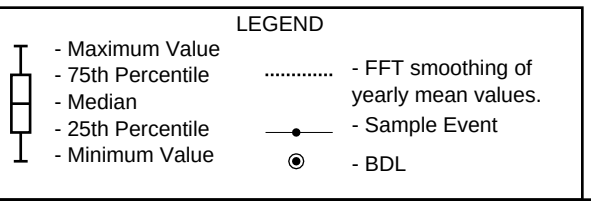








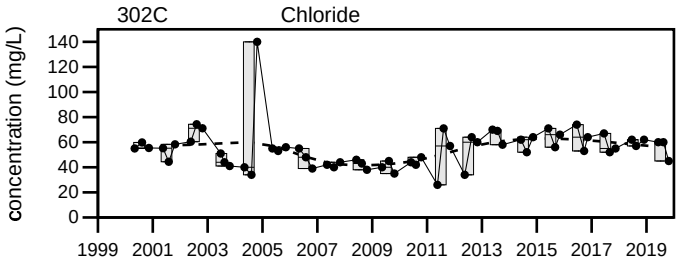


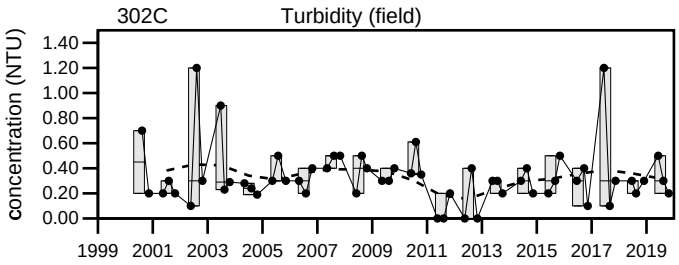


Dolby Landfill

302C

Sevee & Maher Engineers, Inc.





LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

..... - FFT smoothing of yearly mean values.

—●— - Sample Event

◉ - BDL

Dolby Landfill

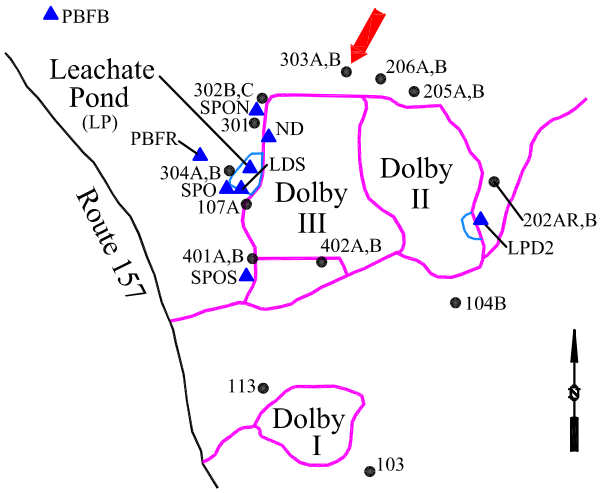
302C

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the northwest of the Dolby II Landfill.

Screen Interval:	**32.6 ft. to 42.6 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-85**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		410	350	430	300	to 1537	700	± 39	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to 7	2.6	± 0.23	57
Specific Conductance (µmhos/cm @25°C)		830	↓556	771	559	to 2650	1300	± 47	57
pH (STU)		6.7	6.6	6.7	6	to 7	6.6	± 0.021	57
Dissolved Oxygen (mg/L)		0.1	3.9	3.5	0.1	to 4.9	0.67	± 0.093	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.022	0.0064	± 0.000	55
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.013	to 2.3	0.35	± 0.039	57
Calcium (mg/L)		43.8	↓37.2	50.9	42.1	to 180	92	± 5.1	51
Magnesium (mg/L)		43	↓31.2	49.2	36	to 190	82	± 5.3	51
Manganese (mg/L)		**6.83**	↓**5.11**	**8.19**	5.88	to 21	11	± 0.42	57
Potassium (mg/L)		27.1	23.9	31.5	23	to 71	41	± 1.6	57
Sodium (mg/L)		9.84	↓7.6	9.56	8.37	to 54.3	29	± 1.4	57
Ammonia (N) (mg/L)		5	5.3	5.7	4.4	to 24	6.3	± 0.46	57
Nitrate (N) (mg/L)		2.5	0.94	0.05 U	0.05 U	to 8	1.9	± 0.24	57
Sulfate (mg/L)		12	16	12	10	to 41	17	± 0.7	57
Ca-mg Hardness (CaCO3) (mg/L)		286	↓221	330	255	to 1274.3	640	± 31	57
Bicarbonate (CaCO3) (mg/L)		350	350	380	180	to 1470	640	± 35	57
Alkalinity (CaCO3) (mg/L)		350	350	380	200	to 1470	660	± 37	57
Organic Carbon (mg/L)		4.7	3.9	5.9	2.9	to 158.5	13	± 1.7	57
Chloride (mg/L)		5.9	6.9	11	5.3	to 83.9	43	± 3.2	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 179
Printed: 3/5/2020 14:27

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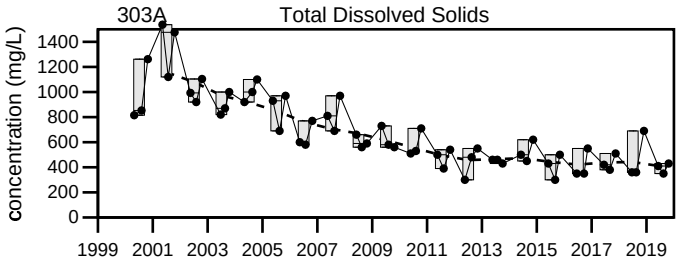
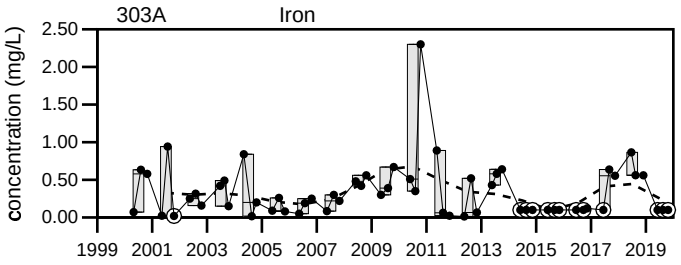
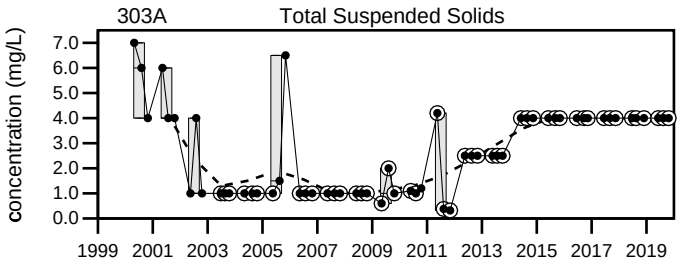
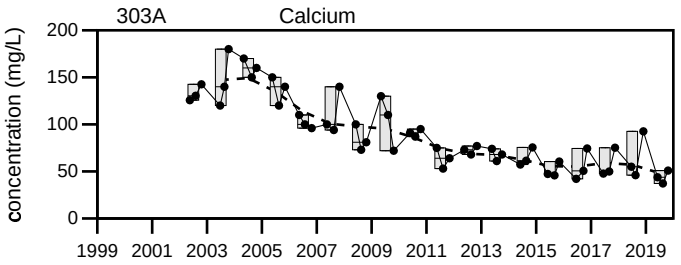
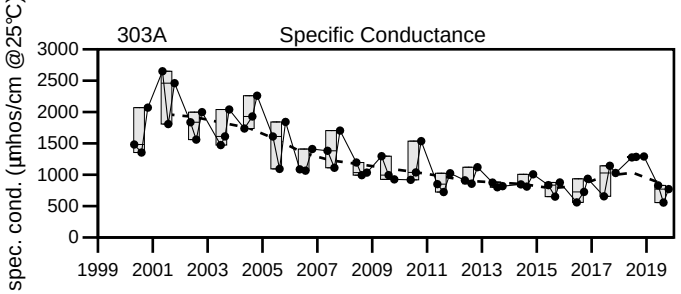
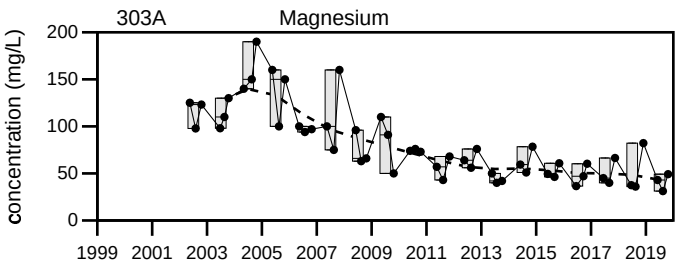


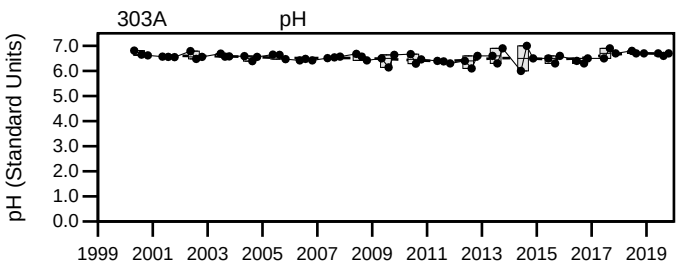


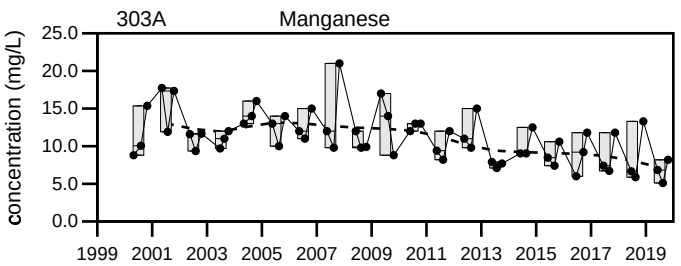


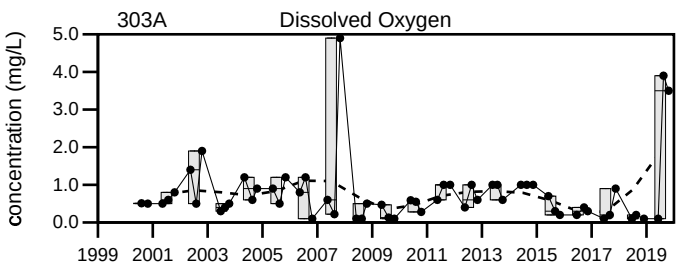


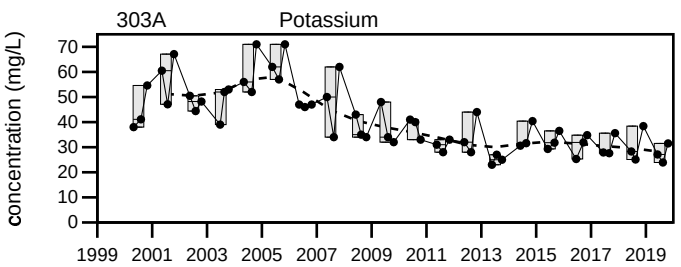


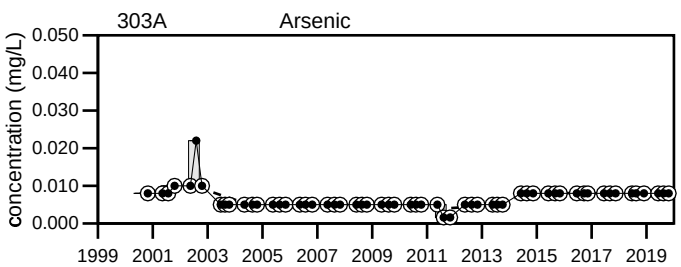


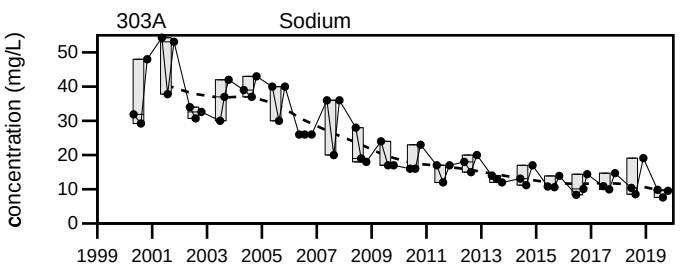


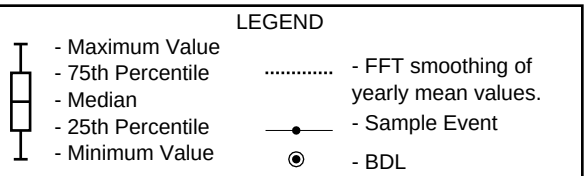








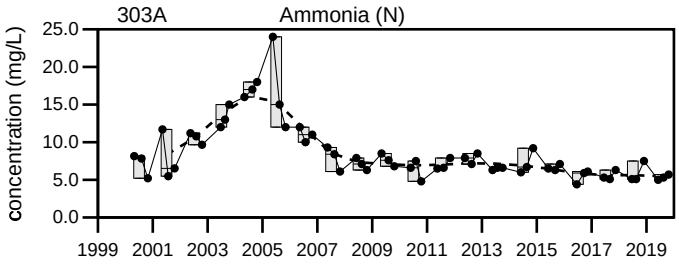


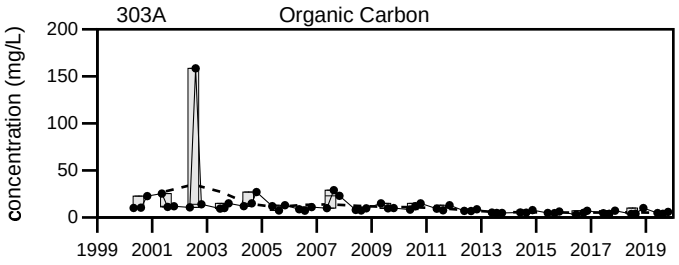


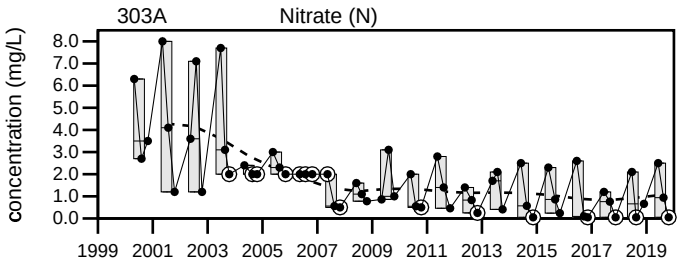
Dolby Landfill

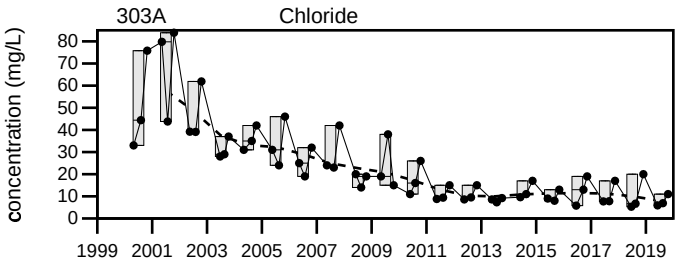
303A

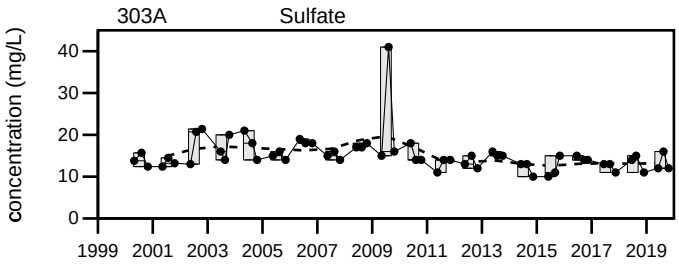
Sevee & Maher Engineers, Inc.

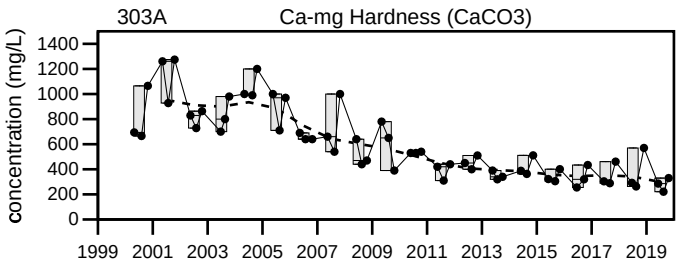


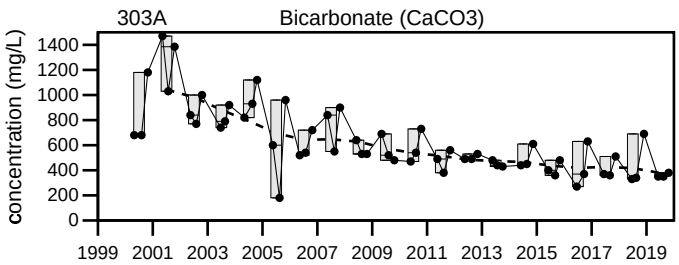


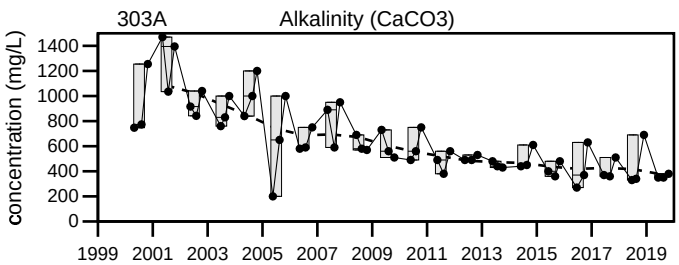


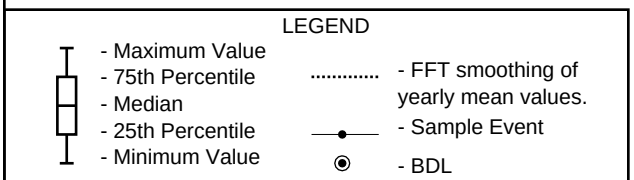












Dolby Landfill

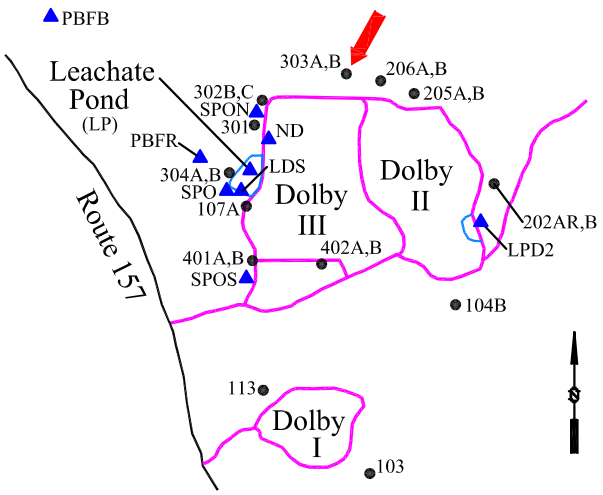
303A

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the northwest of the Dolby II Landfill.

Screen Interval:	**13.3 ft. to 23.3 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-85**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		260	250	490	100	to 1605	610	± 46	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to 35	2.9	± 0.61	57
Specific Conductance (µmhos/cm @25°C)		456	423	800	383	to 2630	1200	± 58	57
pH (STU)		6.7	6.4	6.4	5.9	to 6.8	6.5	± 0.021	57
Dissolved Oxygen (mg/L)		↑2.4	↑4.2	↑4.2	0.1	to 2	0.76	± 0.056	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.021	0.0064	± 0.000	55
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.0039	to 0.182	0.035	± 0.004	57
Calcium (mg/L)		29.1	28.8	63.7	24.6	to 150	67	± 4.6	51
Magnesium (mg/L)		26.5	25.7	62.2	10 U	to 190	72	± 6.4	51
Manganese (mg/L)		**4.24**	**4.34**	**10.1**	4.07	to 28.06	9.8	± 0.59	57
Potassium (mg/L)		19.9	21	33.8	17.5	to 69.3	35	± 1.7	57
Sodium (mg/L)		6.37	5.46	13.9	4.96	to 59.8	27	± 1.6	57
Ammonia (N) (mg/L)		3.9	3.2	4.6	0.21	to 20 U	5.3	± 0.35	57
Nitrate (N) (mg/L)		2.6	1.8	↓0.16	0.35	to 13	3.4	± 0.36	57
Sulfate (mg/L)		12	14	9.6	6.2	to 35	12	± 0.48	57
Ca-mg Hardness (CaCO3) (mg/L)		182	178	415	157	to 1392.2	540	± 38	57
Bicarbonate (CaCO3) (mg/L)		220	210	430	170	to 1514	540	± 41	57
Alkalinity (CaCO3) (mg/L)		220	210	430	170	to 1545.3	570	± 43	57
Organic Carbon (mg/L)		3.4	3.2	7.6	1 U	to 37	12	± 0.76	57
Chloride (mg/L)		3.1	6.3	15	3	to 86.1	40	± 3.6	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 179
Printed: 3/5/2020 14:27

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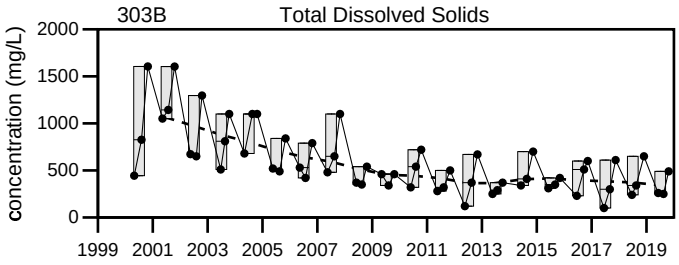
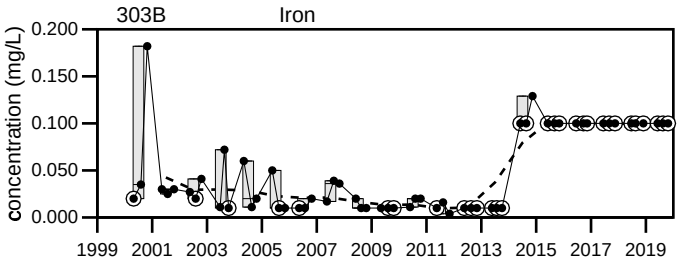
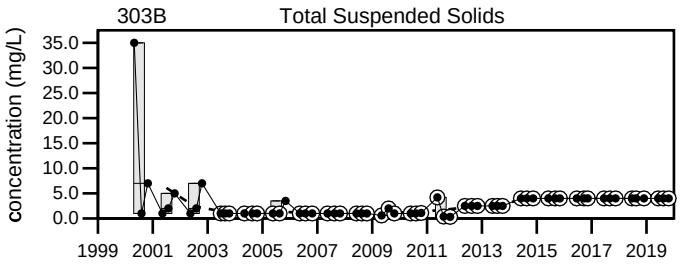
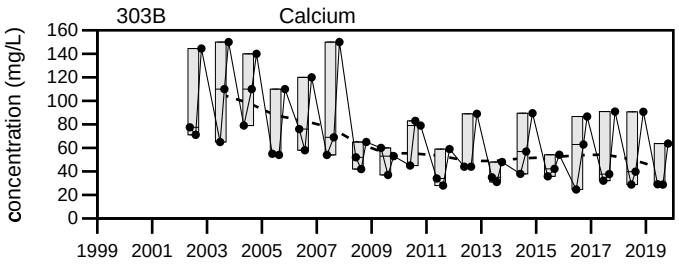
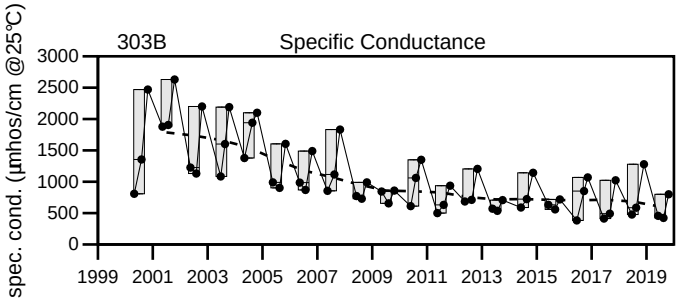
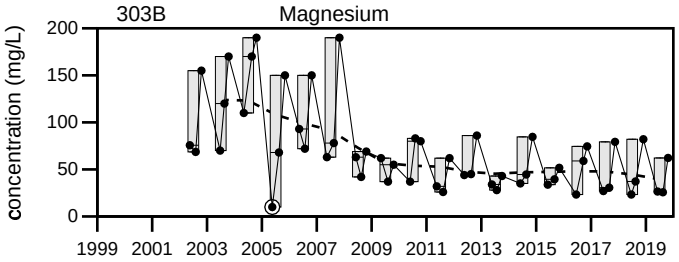


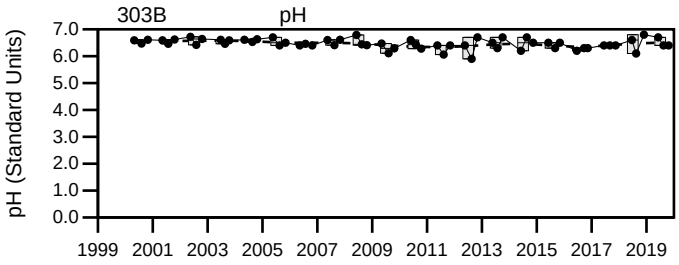


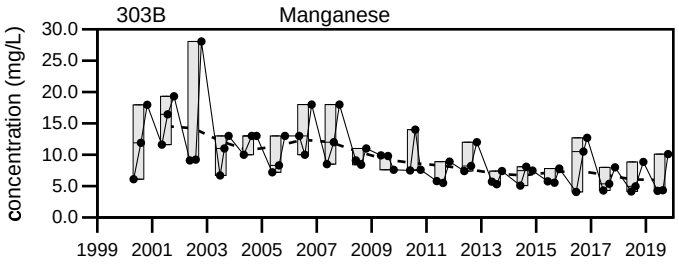


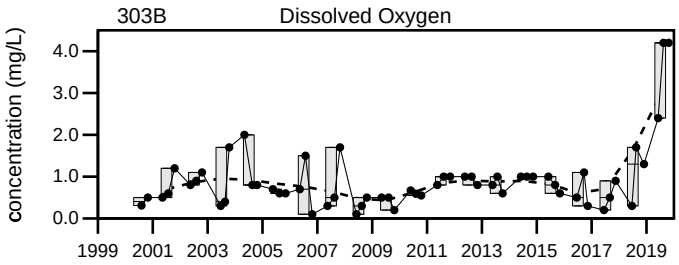


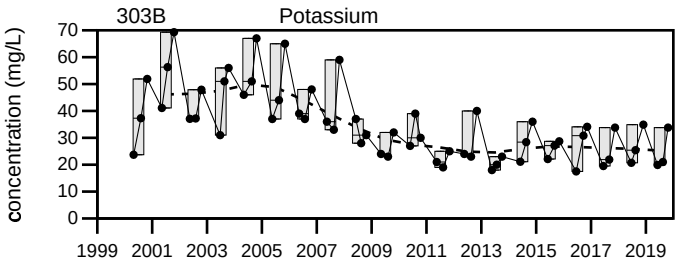


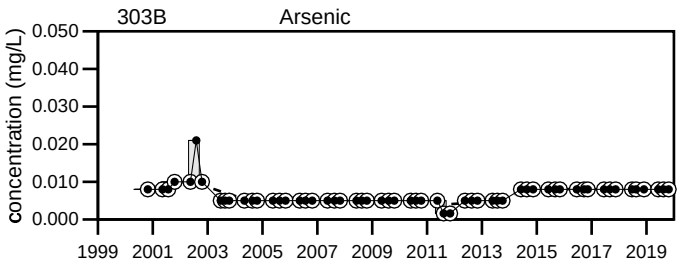


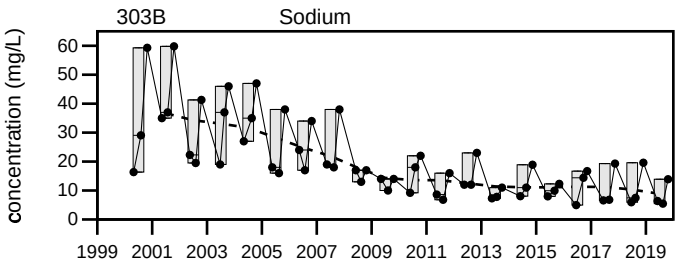


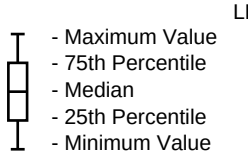








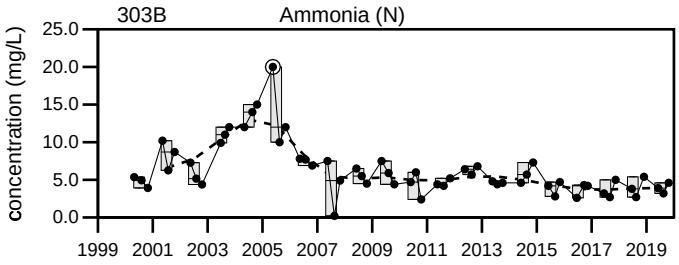


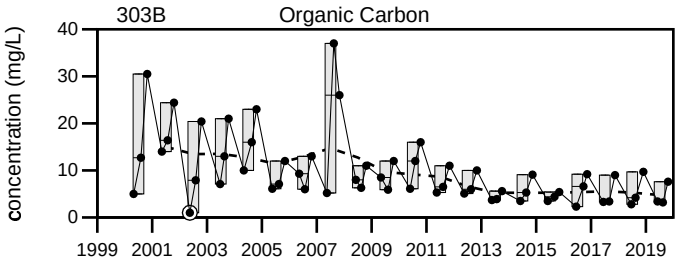


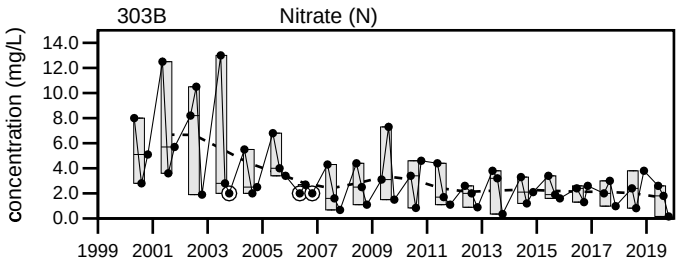
Dolby Landfill

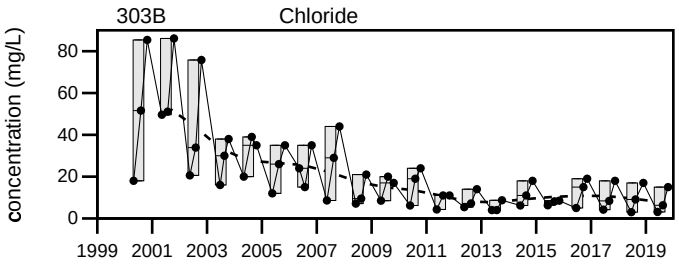
303B

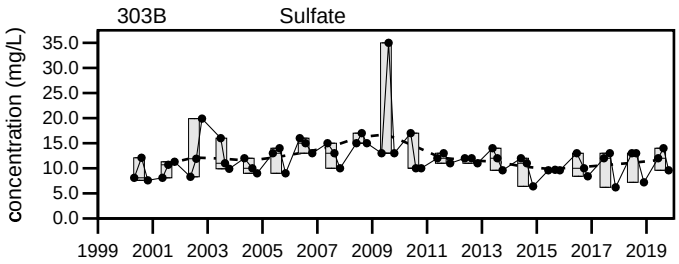
Sevee & Maher Engineers, Inc.

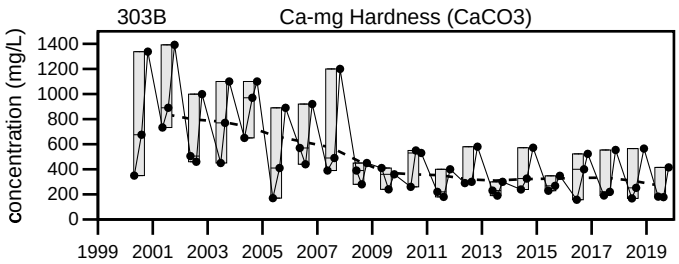


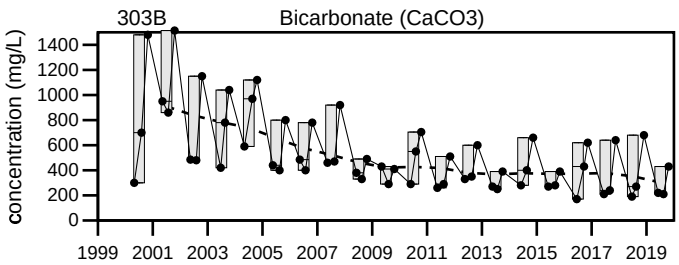


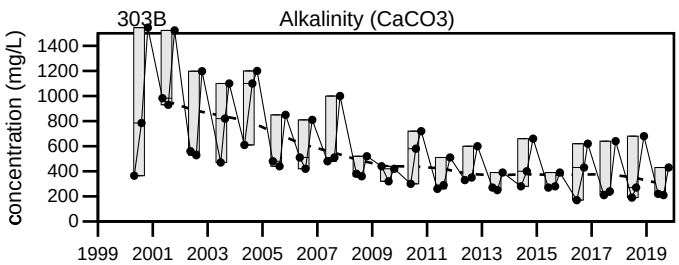


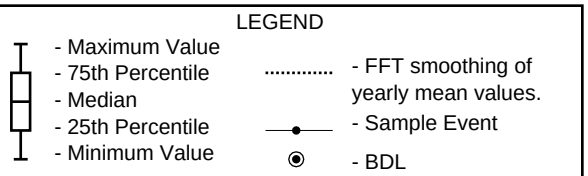












Dolby Landfill

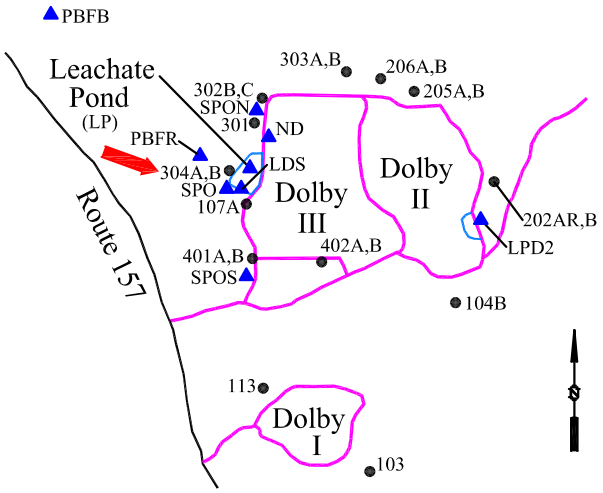
303B

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the west of the landfill.

Screen Interval:	**Unknown TOS to 21.5 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Sep-85**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		160	160	150	110	320	200	6.1	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	23	3	0.47	57
Specific Conductance (µmhos/cm @25°C)		241	233	275	231	473	340	8.1	57
pH (STU)		8.2	8.1	7.9	6.6	8.8	7.6	0.04	57
Dissolved Oxygen (mg/L)		4	3.6	0.3	0.2	8.5	1.5	0.19	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.01 U	0.0062	0.000	55
Iron (mg/L)		0.1 U	0.134	0.13	0.0054	2.1	0.078	0.025	57
Calcium (mg/L)		31.6	33.7	32.5	28	93	48	2.4	51
Magnesium (mg/L)		6.75	7.95	7.49	5	13	8.2	0.24	51
Manganese (mg/L)		0.0057	0.0327	0.0264	0.005 U	0.24	0.033	0.007	57
Potassium (mg/L)		1 U	1	1.1	0.89	2.4	1.4	0.047	57
Sodium (mg/L)		10.4	11.2	11.3	7	18	13	0.37	57
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	0.5 U	0.14	0.006	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	2 U	0.76	0.098	57
Sulfate (mg/L)		12	14	12	5.6	19.5	15	0.64	57
Ca-mg Hardness (CaCO3) (mg/L)		107	117	112	70.3	270	150	4.8	57
Bicarbonate (CaCO3) (mg/L)		120	120	120	110	205	150	3.7	57
Alkalinity (CaCO3) (mg/L)		120	120	120	110	220	160	4.4	57
Organic Carbon (mg/L)		1 U	1 U	1 U	0.58	7.6	1.8	0.21	57
Chloride (mg/L)		3	3.1	3.3	2 U	18	15	1.5	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

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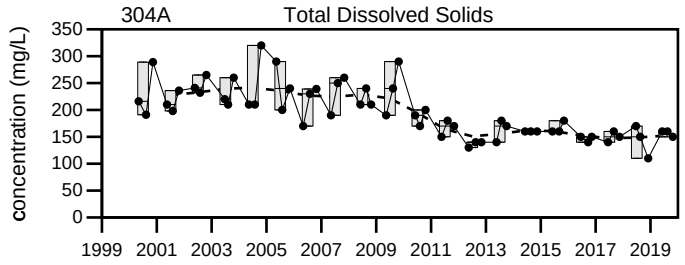
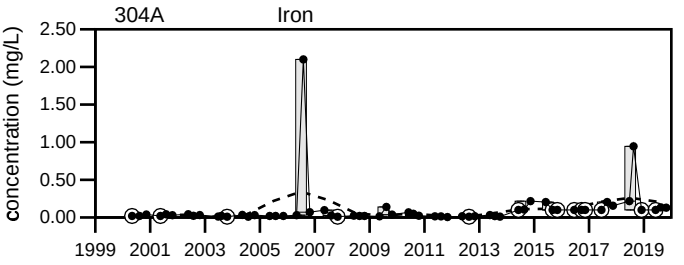
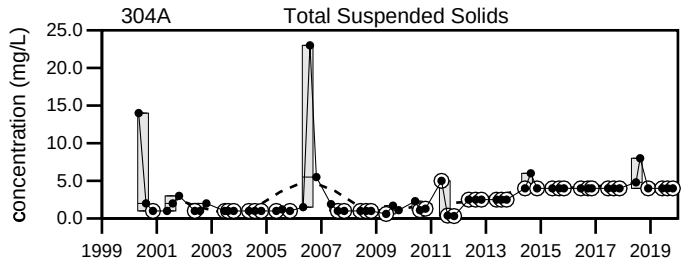
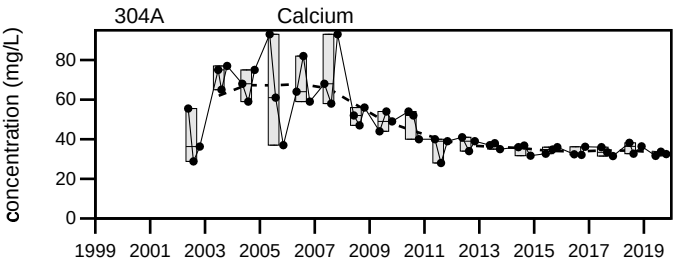
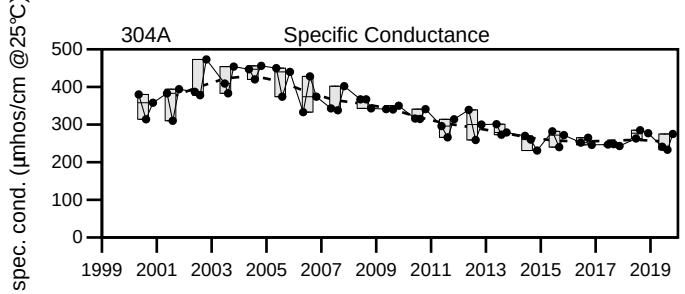
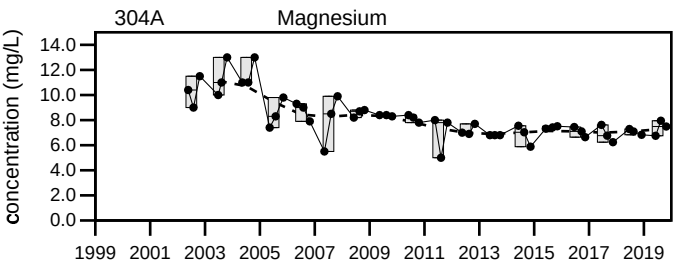


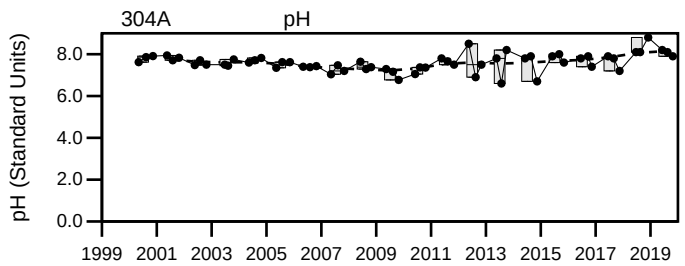


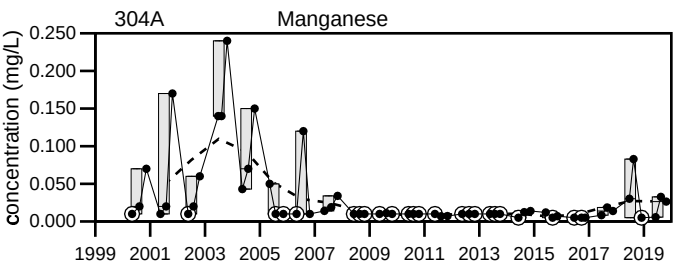


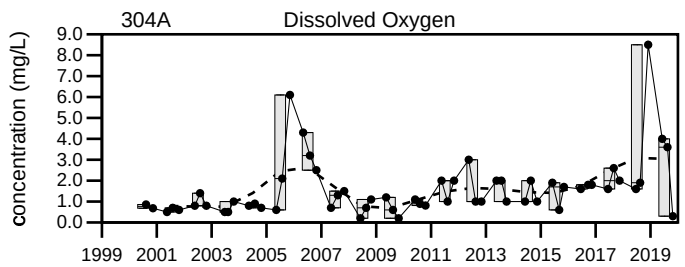


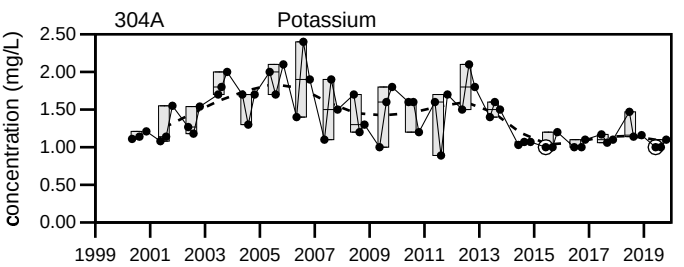


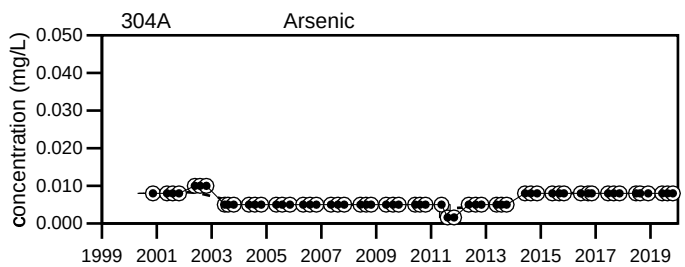


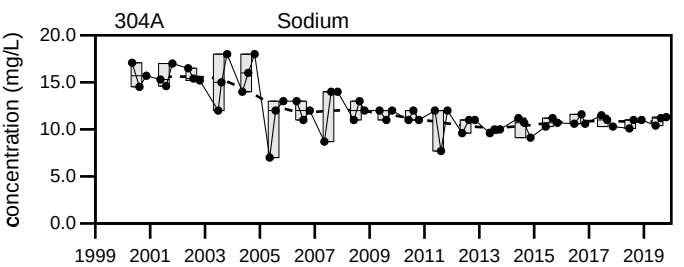


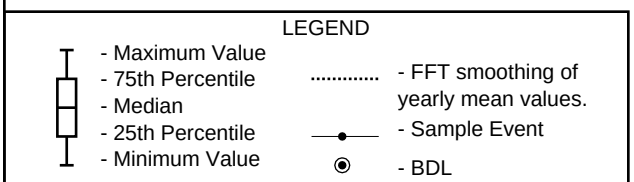








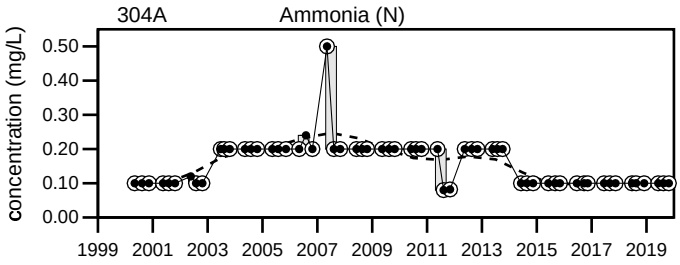


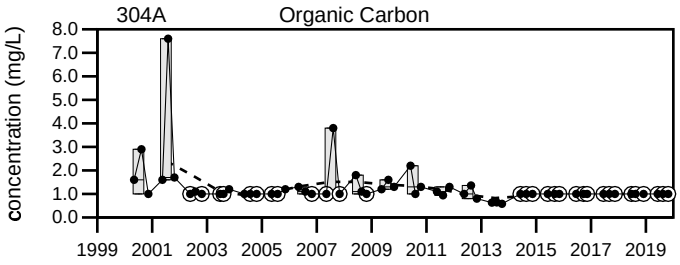


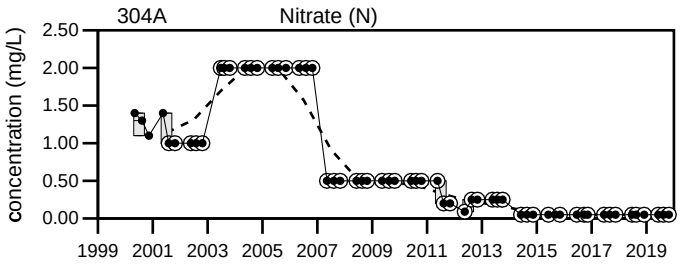
Dolby Landfill

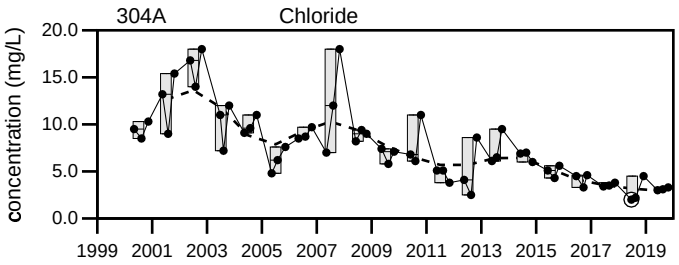
304A

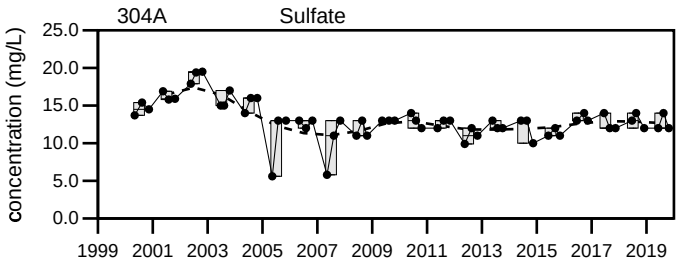
Sevee & Maher Engineers, Inc.

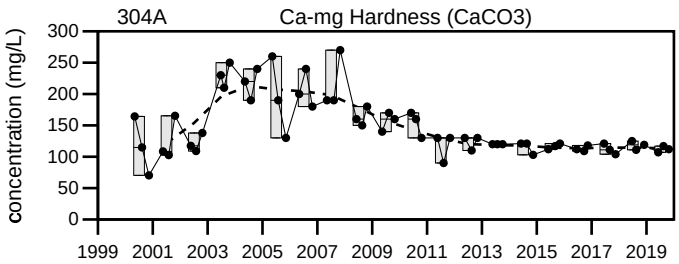


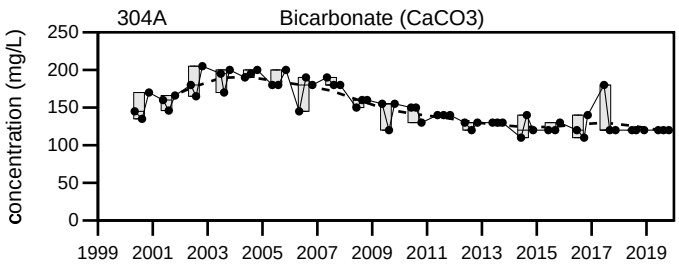


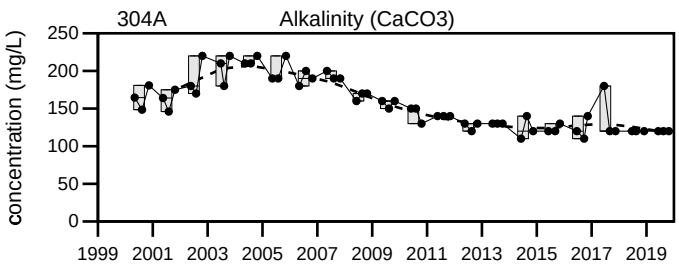


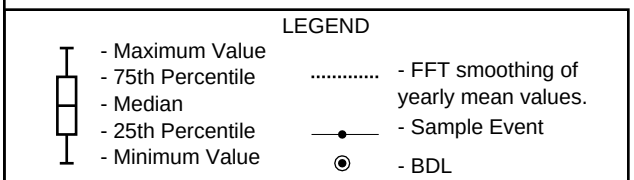












Dolby Landfill

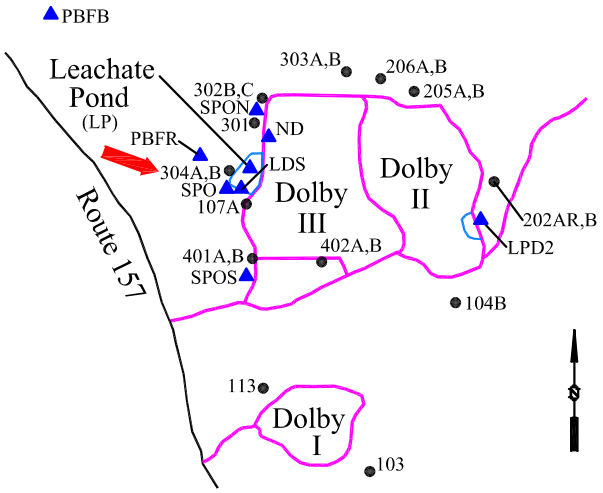
304A

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the west of the landfill.

Screen Interval:	**Unknown TOS to 8.6 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Sep-85**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Intiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		110	77	65	13	204	100	5.9	56
Total Suspended Solids (mg/L)		5.2	47	47	0.32 U	86	4.9	1.6	56
Specific Conductance (µmhos/cm @25°C)		104	124	98	44	341	210	13	56
pH (STU)		7	7.2	7.5	5.46	8	6.6	0.038	56
Dissolved Oxygen (mg/L)		↑13.5	↑9.5	4.4	1.3	9.1	4.8	0.22	55
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.01 U	0.0062	0.000	54
Iron (mg/L)		0.1 U	0.198	↑0.952	0.01 U	0.658	0.086	0.012	56
Calcium (mg/L)		12.4	14.2	12.4	6.34	43	19	1.3	51
Magnesium (mg/L)		1.39	1.67	1.66	0.584	5	2.1	0.16	51
Manganese (mg/L)		0.015	0.0337	0.108	0.005 U	0.169	0.026	0.004	56
Potassium (mg/L)		1 U	1 U	1 U	0.44	1.9	1	0.024	56
Sodium (mg/L)		8.54	9.81	8.36	1.89	21	11	0.81	56
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	0.67	0.14	0.008	56
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	2 U	0.73	0.098	56
Sulfate (mg/L)		2.3	4.6	4.2	1 U	20.7	8.9	0.65	55
Ca-mg Hardness (CaCO3) (mg/L)		36.7	42.4	37.7	18.2	130	70	4.6	56
Bicarbonate (CaCO3) (mg/L)		45	55	49	22	120	53	3.1	56
Alkalinity (CaCO3) (mg/L)		45	55	49	24	122	54	3.3	56
Organic Carbon (mg/L)		1 U	1 U	1 U	0.69	5	2.3	0.26	56
Chloride (mg/L)		3.8	6	5.3	1.4	63.7	24	4	56

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

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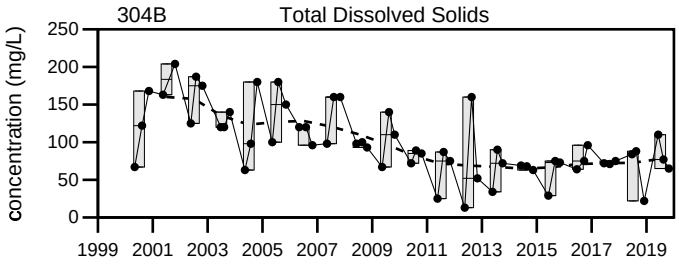
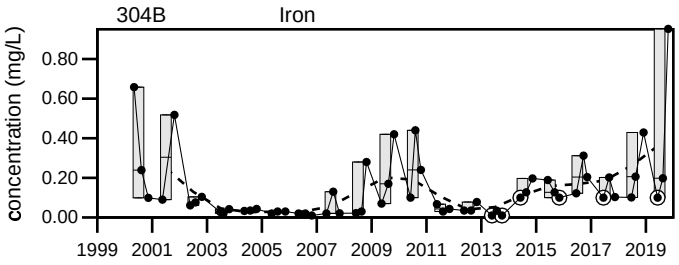
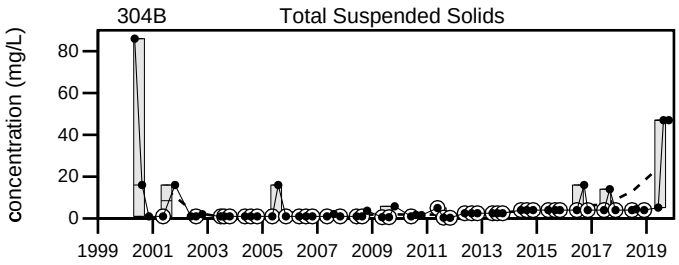
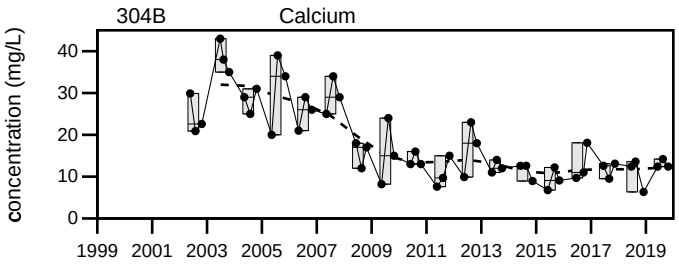
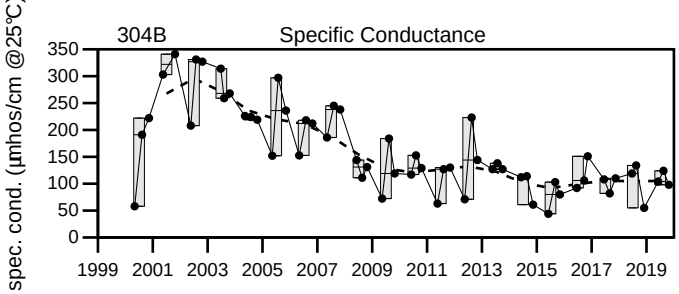
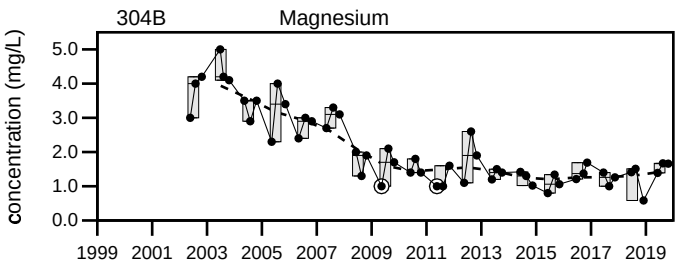


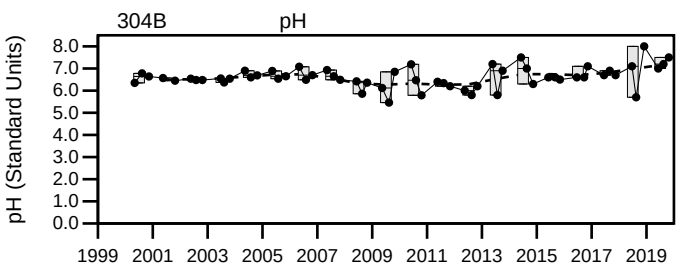


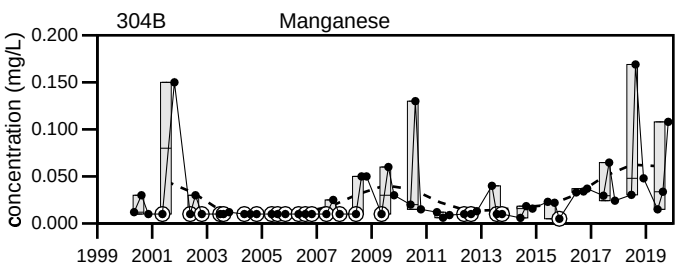


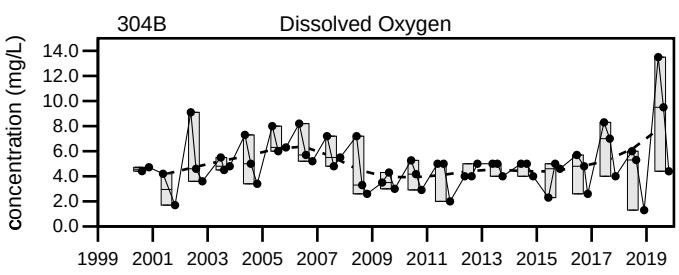


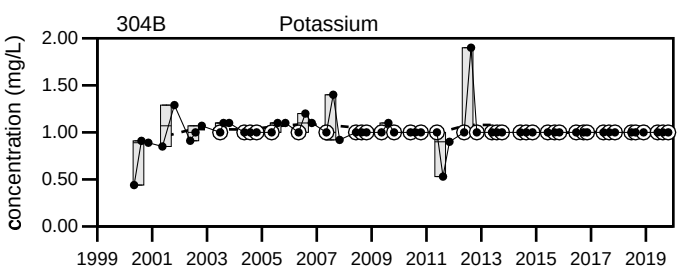


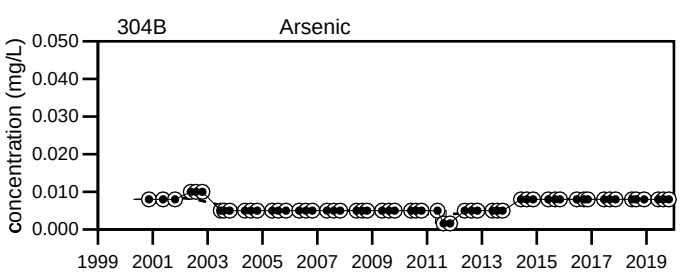


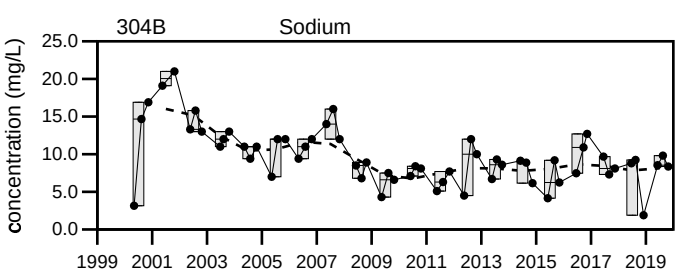


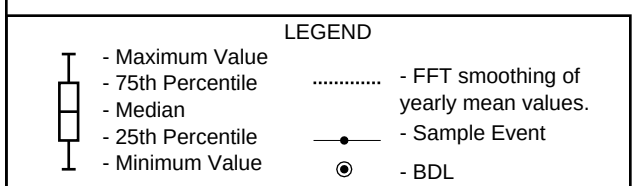








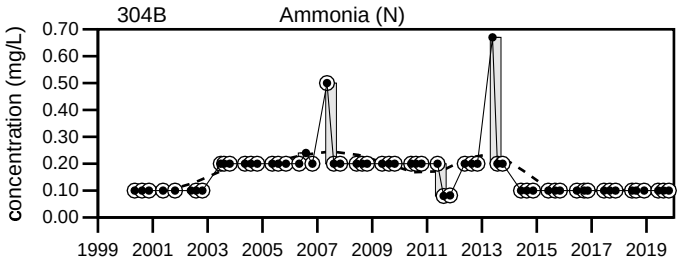


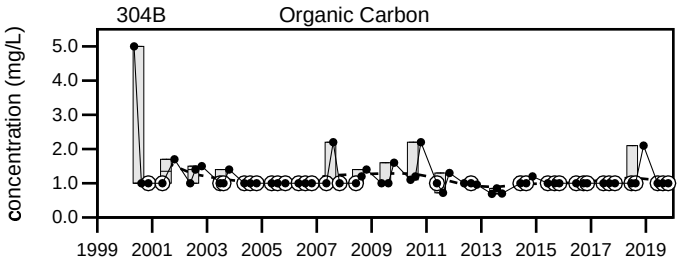


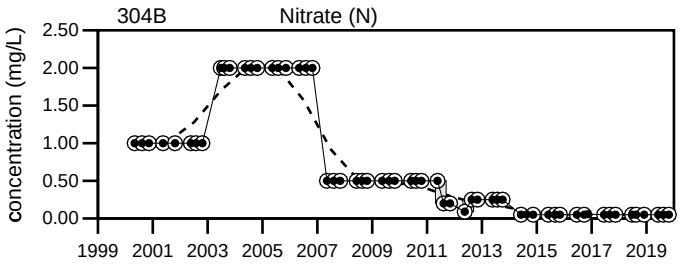
Dolby Landfill

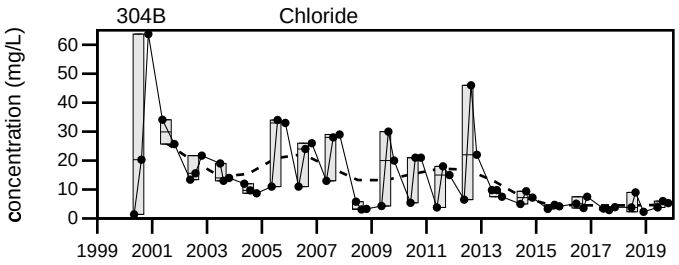
304B

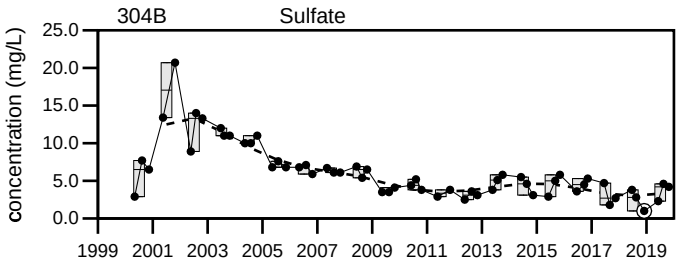
Sevee & Maher Engineers, Inc.

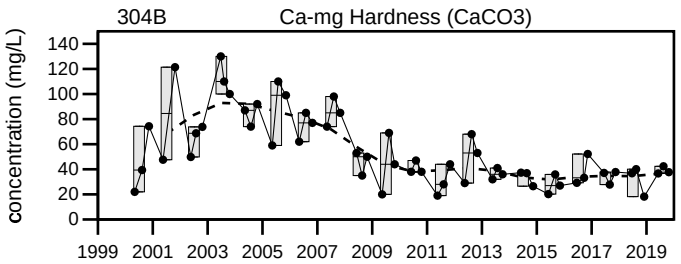


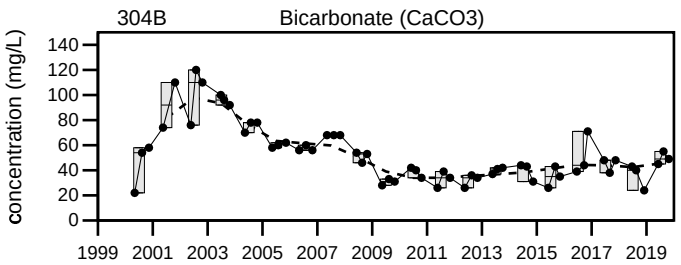


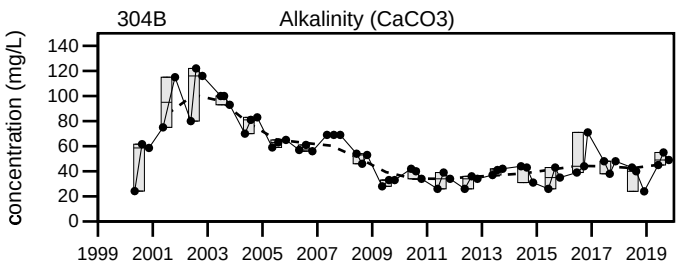


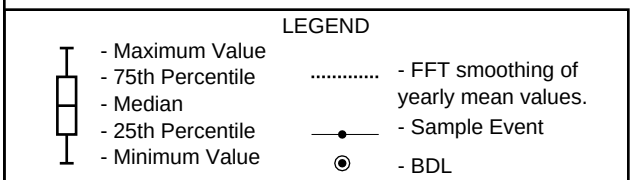












Dolby Landfill

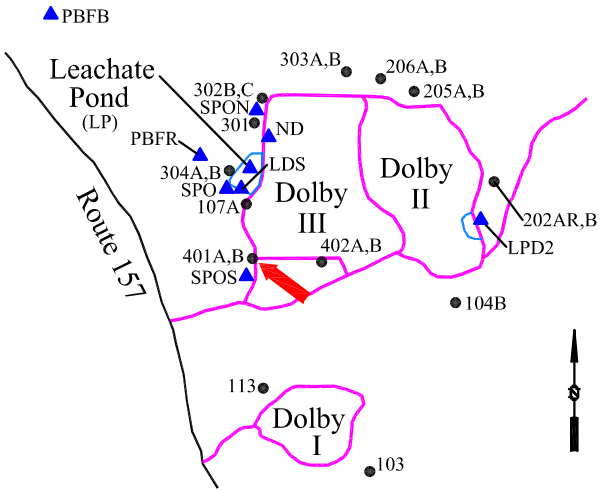
304B

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the southwest of the landfill.

Screen Interval:	**30.5 ft. to 40.5 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-90**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		190	170	180	2	200	140	4	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	15	2.6	0.33	57
Specific Conductance (µmhos/cm @25°C)		↑370	270	272	182	359	230	4.2	57
pH (STU)		7.8	8.1	7.9	6.4	8.2	7.8	0.035	57
Dissolved Oxygen (mg/L)		↑10.9	↑10.5	4.6	0.67	7.4	3.9	0.23	56
Arsenic (mg/L)		**0.141**	**0.148**	**0.135**	0.08	0.29	0.17	0.005	55
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.01 U	0.359	0.049	0.007	57
Calcium (mg/L)		34.8	37.5	38.5	14.9	42	32	0.79	51
Magnesium (mg/L)		7.19	7.6	7.53	4.2	7.61	6.2	0.11	51
Manganese (mg/L)		0.005 U	0.0055	0.0053	0.0002	0.08	0.01	0.001	57
Potassium (mg/L)		1.7	1.78	1.71	1.1	2.4	1.7	0.038	57
Sodium (mg/L)		10.1	11	10.5	6.6	12	9.5	0.1	57
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	0.5 U	0.14	0.007	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	2 U	0.75	0.095	57
Sulfate (mg/L)		24	24	24	5.4	28	13	0.76	57
Ca-mg Hardness (CaCO3) (mg/L)		116	125	127	49.8	130	93	2.2	57
Bicarbonate (CaCO3) (mg/L)		100	100	110	12	110	93	1.7	57
Alkalinity (CaCO3) (mg/L)		100	100	110	12	110	95	1.7	57
Organic Carbon (mg/L)		1 U	1 U	1 U	0.53	12	1.3	0.13	57
Chloride (mg/L)		10	11	8.9	2.8	14	5.7	0.36	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 179
Printed: 3/5/2020 14:27

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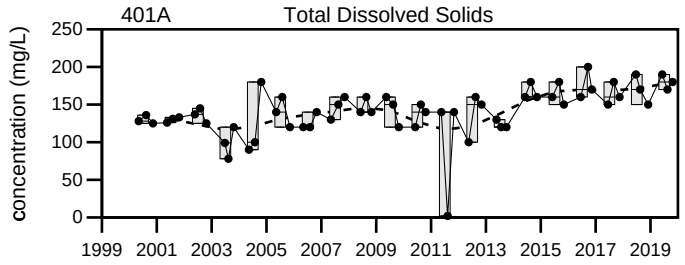
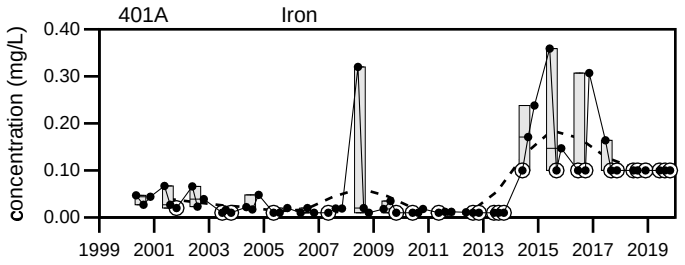
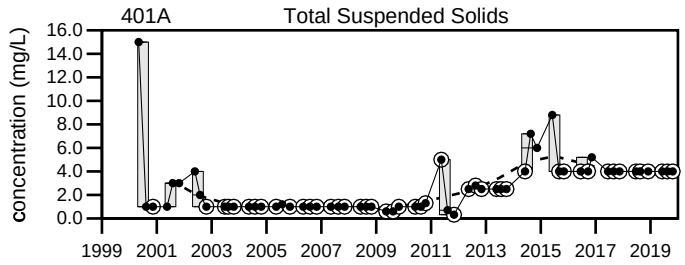
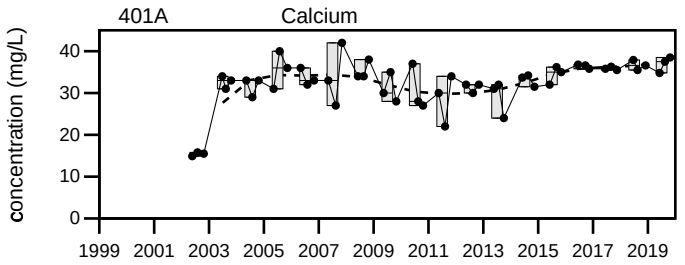
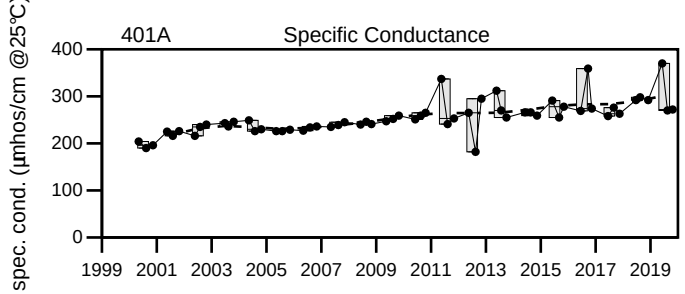
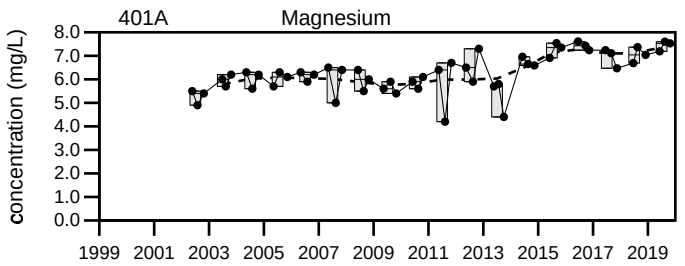


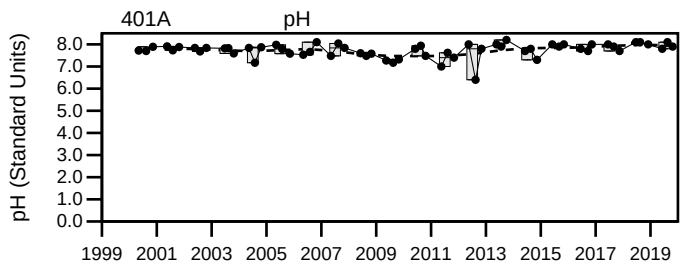


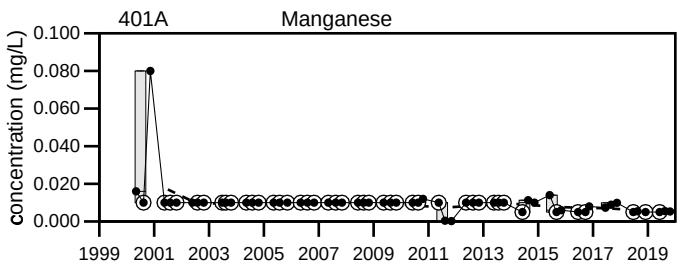


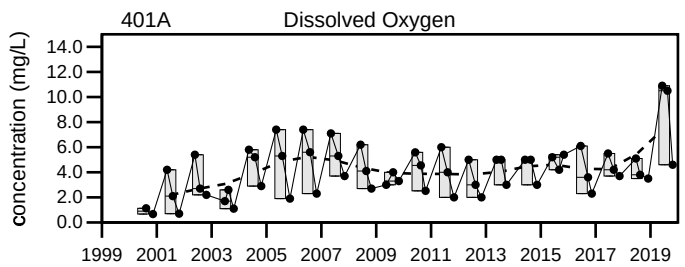


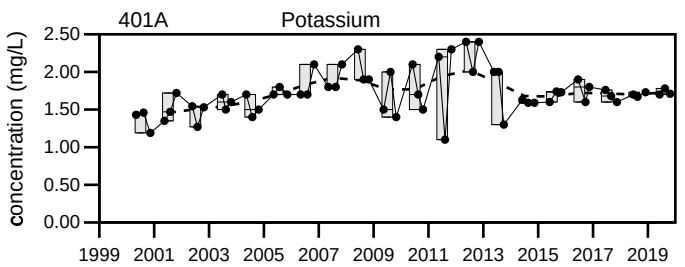


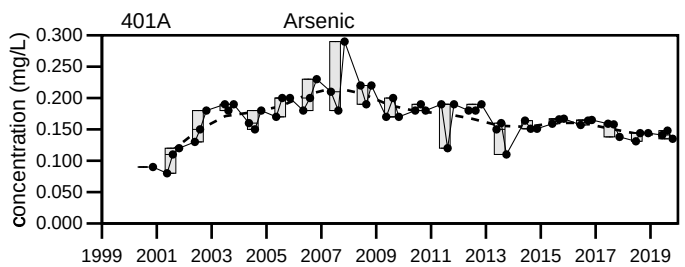


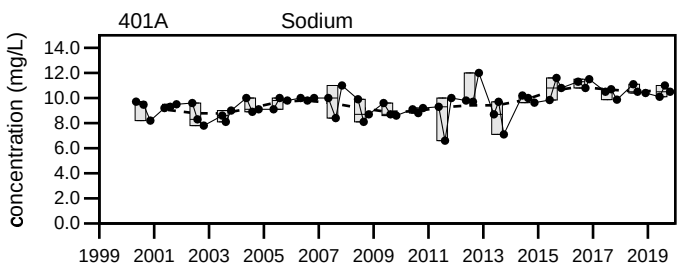


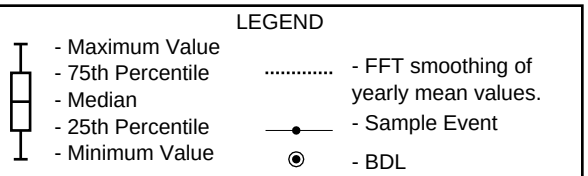








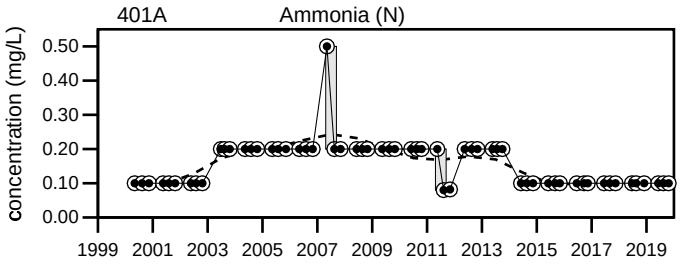


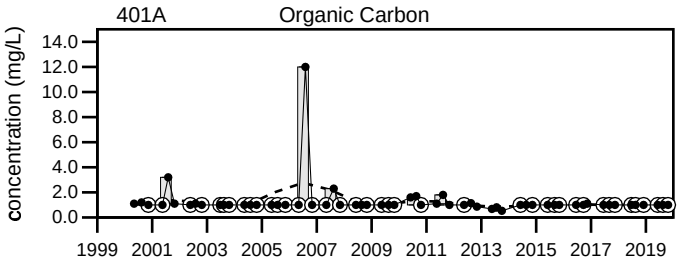


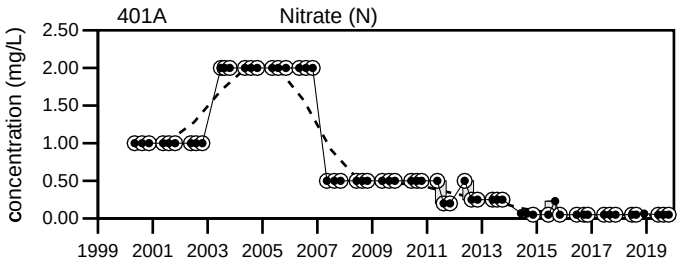
Dolby Landfill

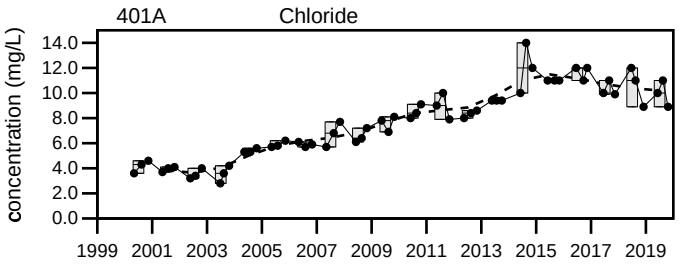
401A

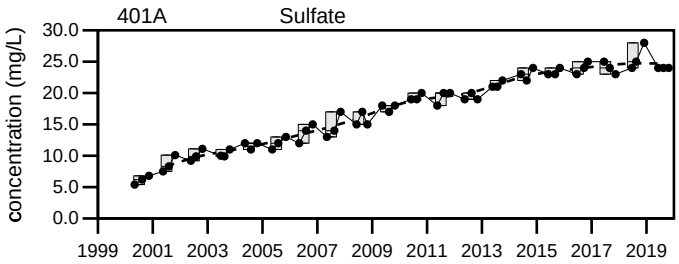
Sevee & Maher Engineers, Inc.

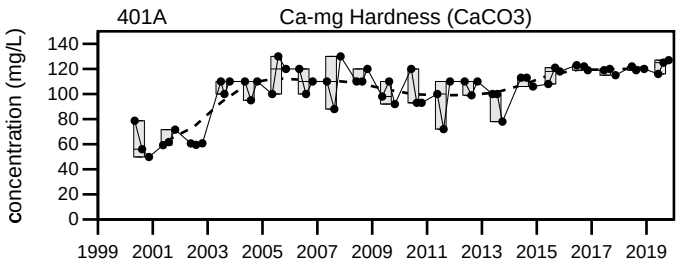


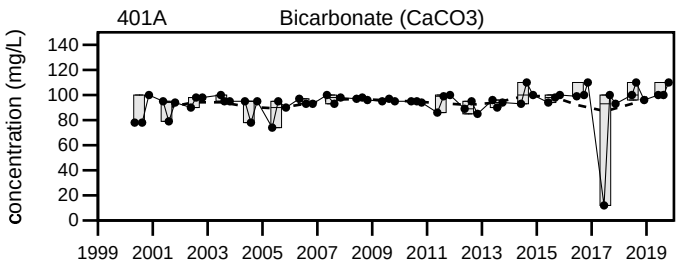


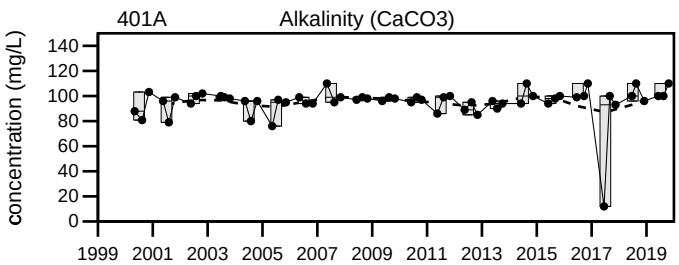












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

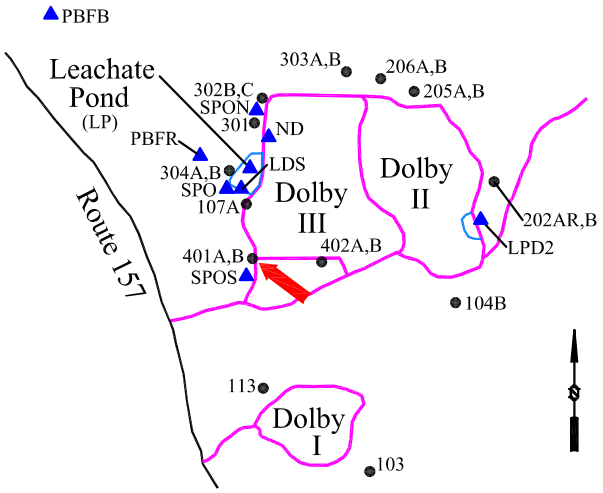
401A

Sevee & Maher Engineers, Inc.

Well Description

Well located downgradient to the southwest of the landfill.

Screen Interval:	**12.5 ft. to 22.5 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-90**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		250	260	260	150	352	220	4	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	30	3.4	0.72	57
Specific Conductance (µmhos/cm @25°C)		394	394	393	291	438	330	7.2	57
pH (STU)		8	8	8	7	8.26	7.9	0.03	57
Dissolved Oxygen (mg/L)		2.4	4.4	0.7	0.1	5.6	0.75	0.11	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.015	0.0063	0.000	55
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.005	0.731	0.06	0.012	57
Calcium (mg/L)		61.6	61.8	65.1	23.6	70	53	1.3	51
Magnesium (mg/L)		9.64	9.59	↑ 10.3	6.2	9.95	7.7	0.13	51
Manganese (mg/L)		0.085	**0.383**	↑ **0.606**	0.01 U	0.54	0.29	0.018	57
Potassium (mg/L)		1.88	1.91	2.11	1.34	3.8	2	0.059	57
Sodium (mg/L)		13.4	13.8	15.2	10.8	17	13	0.23	57
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	0.5 U	0.14	0.007	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	2 U	0.76	0.097	57
Sulfate (mg/L)		↓ 14	15	↓ 14	15	35	21	1.1	57
Ca-mg Hardness (CaCO3) (mg/L)		194	194	205	77.8	210	140	4.2	57
Bicarbonate (CaCO3) (mg/L)		210	210	200	83	240	140	4.9	57
Alkalinity (CaCO3) (mg/L)		210	210	200	92.9	300	150	5	57
Organic Carbon (mg/L)		1 U	1 U	1 U	0.99	3.7	1.4	0.071	57
Chloride (mg/L)		↓ 3.6	5.7	4.3	4.1	30.1	14	0.99	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

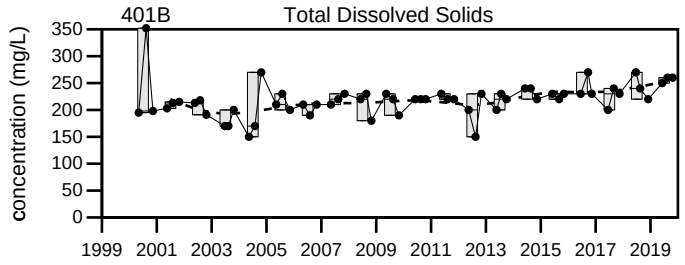
Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

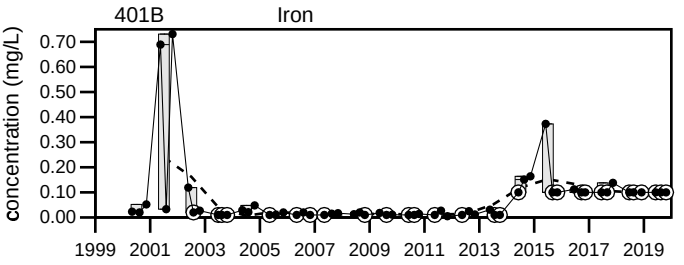
Q3= 8 - 2019

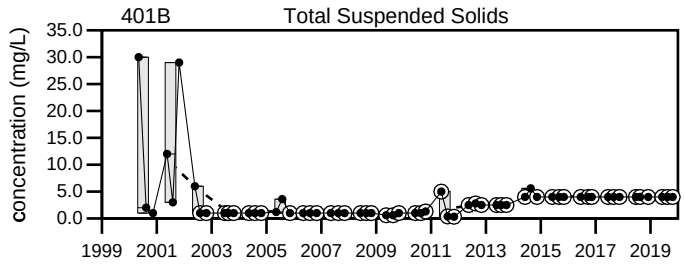
Q4= 10 - 2019

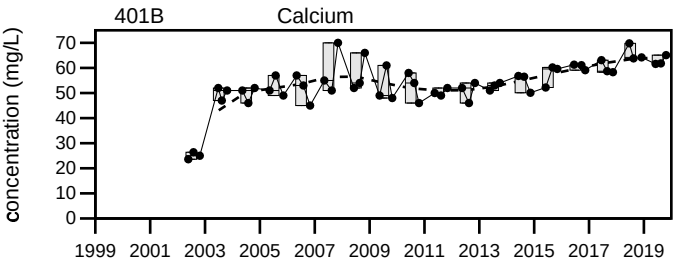
Data Group: 179
Printed: 3/5/2020 14:27

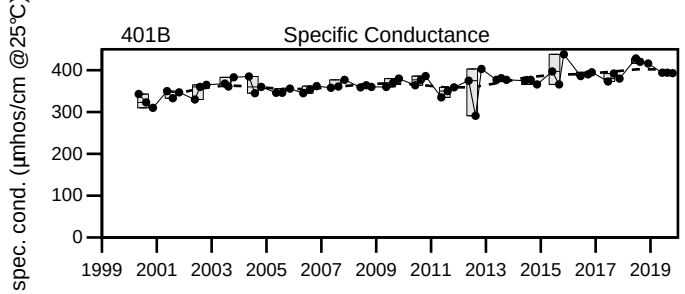
SME SEVEE & MAHER ENGINEERS

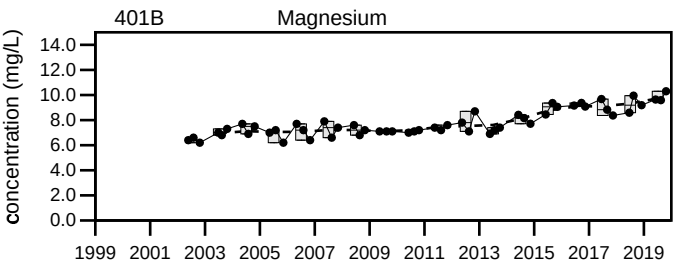


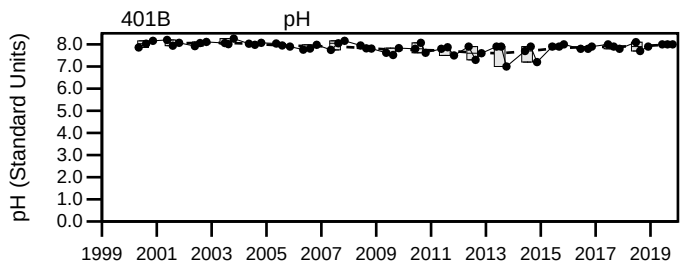


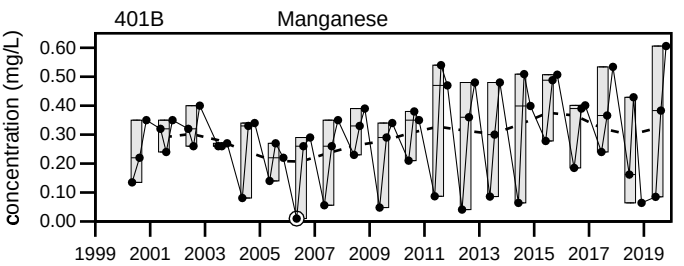


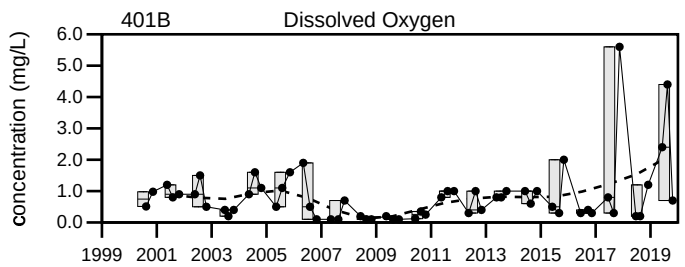


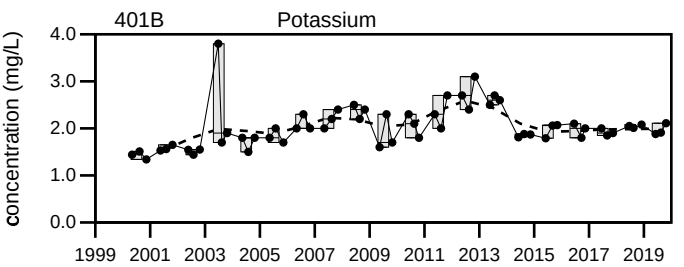


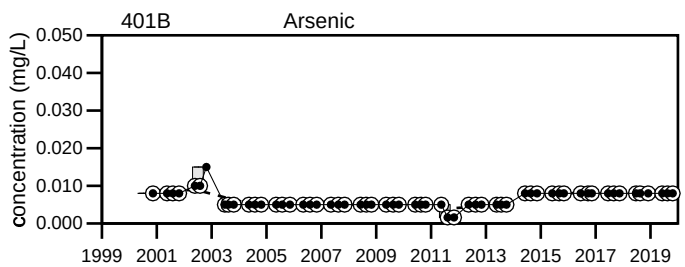


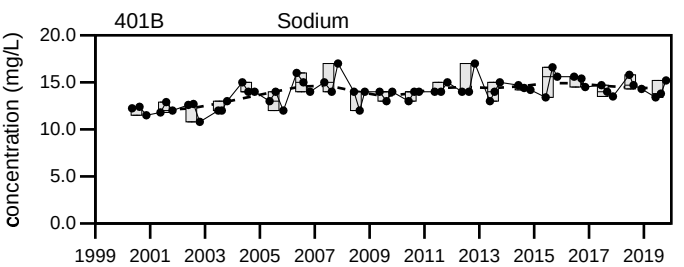


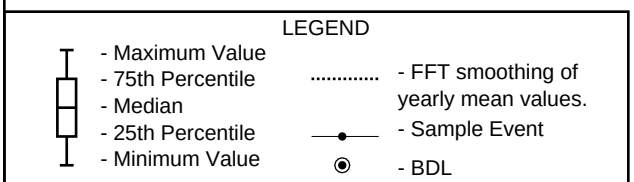












Dolby Landfill

401B

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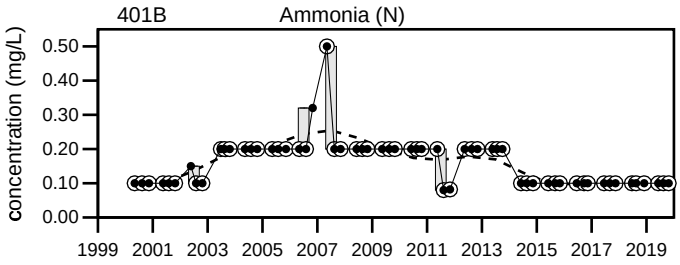
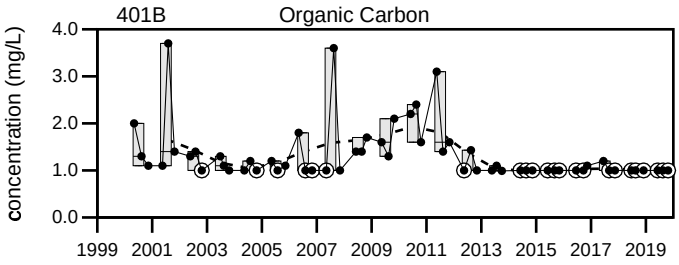
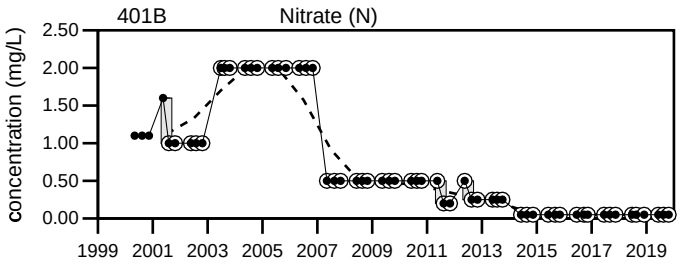
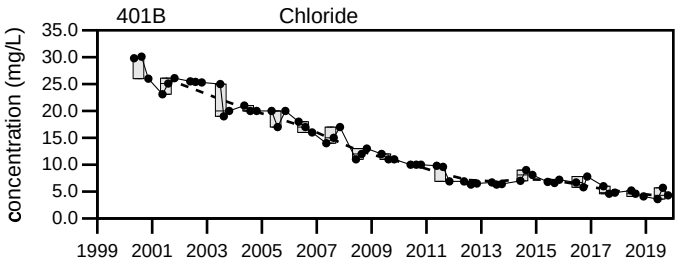
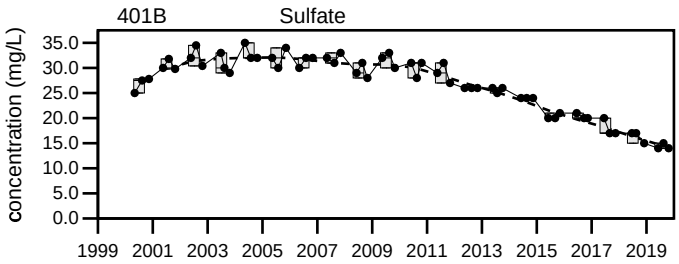
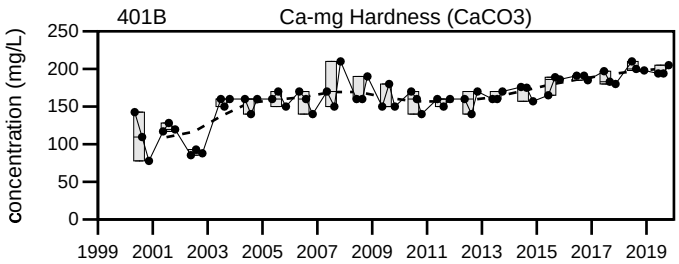


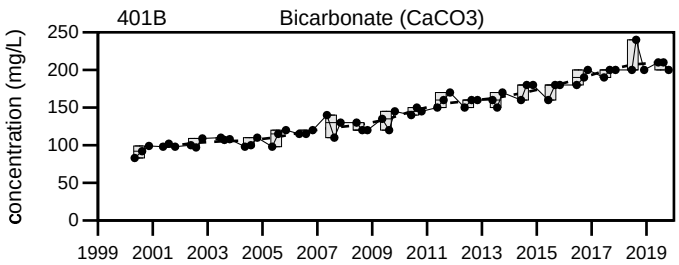


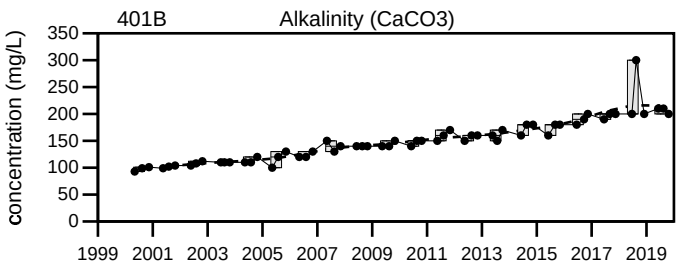


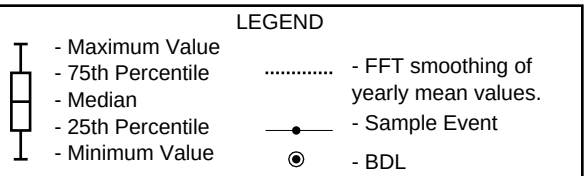












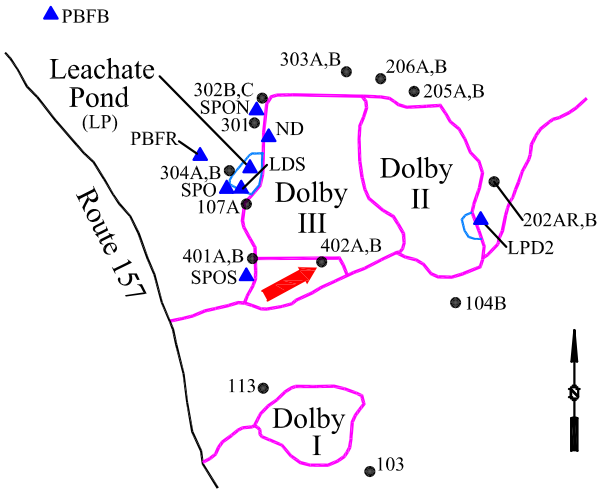
Dolby Landfill

401B

Sevee & Maher Engineers, Inc.

Well Description

Well located cross-gradient to south of the Dolby III Landfill.



Screen Interval:	**50.2 ft. to 60.2 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-90**
Material Screened:	**Bedrock**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Intiated Aug. 2000)**

Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		250	240	240	81	to 650	170	± 9.7	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to 5 U	2.1	± 0.19	57
Specific Conductance (µmhos/cm @25°C)		410	385	376	194	to 439	260	± 6.8	57
pH (STU)		7.7	7.9	7.8	7.1	to 8.3	7.9	± 0.028	57
Dissolved Oxygen (mg/L)		0.4	↑ 6.8	3	0.1	to 5	1.4	± 0.15	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0035	to 0.019	0.0066	± 0.000	55
Iron (mg/L)		0.143	↑ 0.228	0.12	0.02 U	to 0.22	0.07	± 0.006	57
Calcium (mg/L)		50.5	48.4	48.4	14.3	to 51.9	36	± 1.2	51
Magnesium (mg/L)		↑ 14	↑ 14.4	↑ 13.6	5.6	to 13.2	9.3	± 0.29	51
Manganese (mg/L)		0.176	0.175	0.164	0.04	to 0.32	0.13	± 0.006	57
Potassium (mg/L)		1 U	1 U	1 U	0.53	to 1	0.92	± 0.021	57
Sodium (mg/L)		9.19	9.38	9.16	5.6	to 9.7	7.3	± 0.1	57
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to 0.5 U	0.14	± 0.008	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.44	0.05 U	to 2 U	0.74	± 0.096	57
Sulfate (mg/L)		6.5	6.6	7.4	4.5	to 13	8.8	± 0.21	57
Ca-mg Hardness (CaCO3) (mg/L)		↑ 184	180	177	57.4	to 182	110	± 3.3	57
Bicarbonate (CaCO3) (mg/L)		130	140	130	76	to 650	110	± 9.9	57
Alkalinity (CaCO3) (mg/L)		130	140	130	81	to 650	110	± 9.8	57
Organic Carbon (mg/L)		1.5	1.6	1.9	1 U	to 3.2	1.3	± 0.047	57
Chloride (mg/L)		36	40	34	4.4	to 40	15	± 1.4	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

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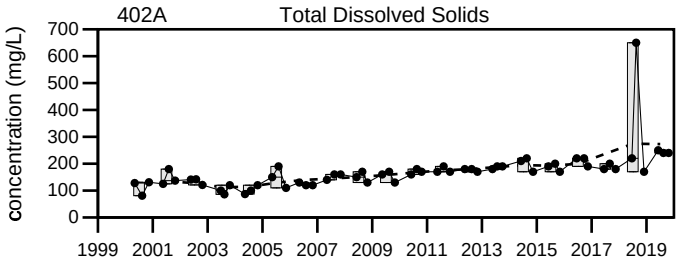
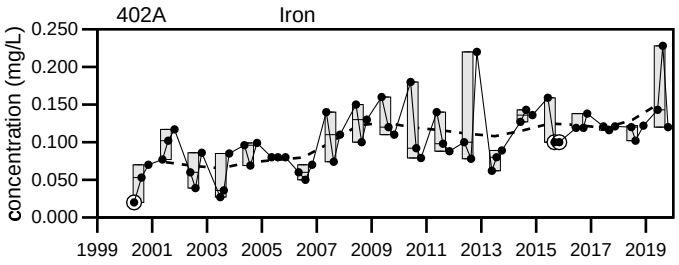
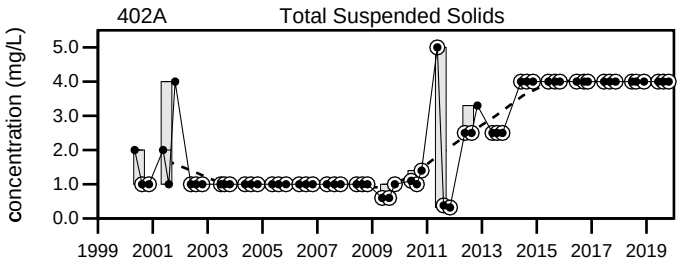
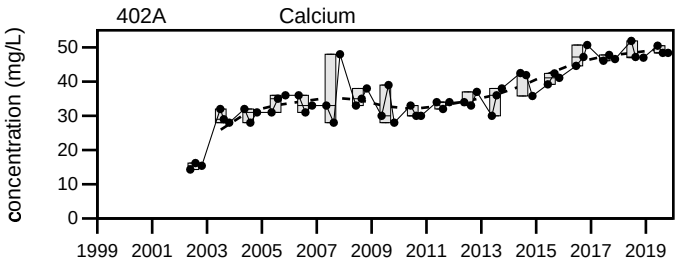
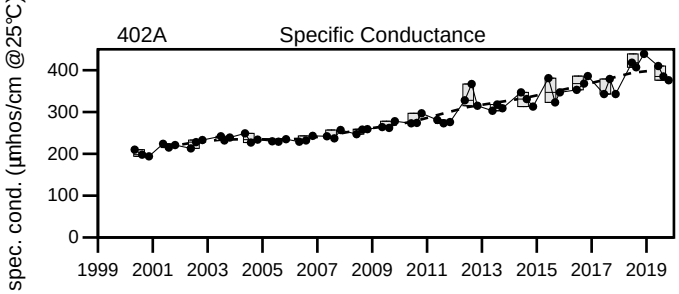
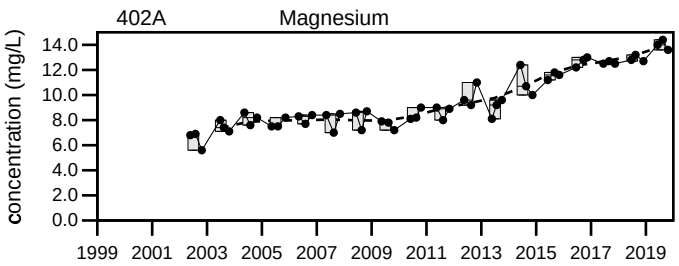


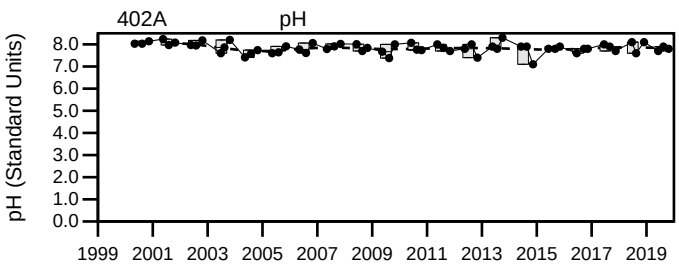


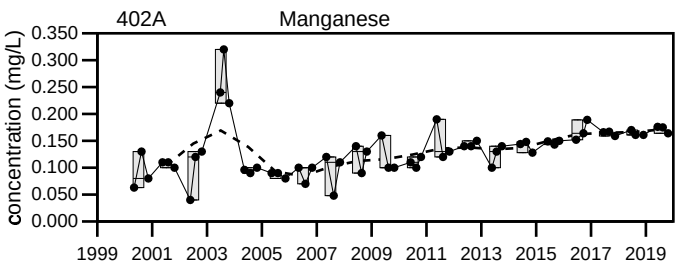


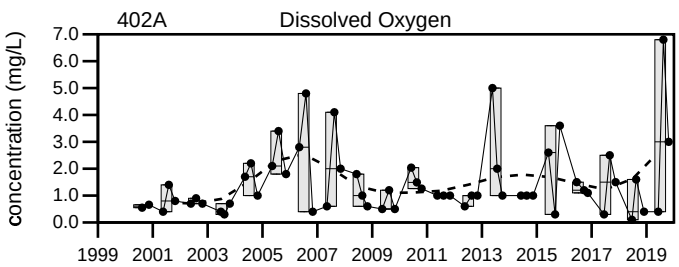


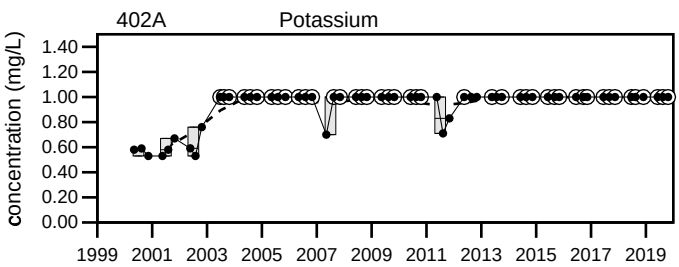


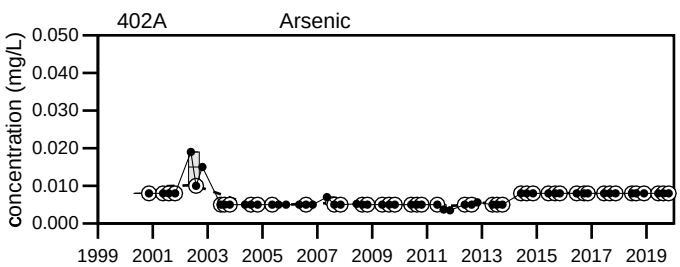


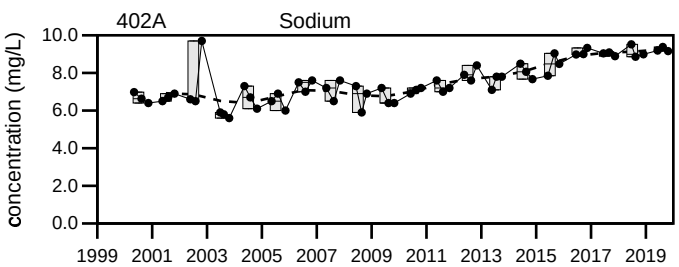


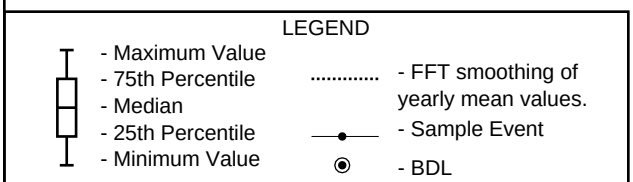








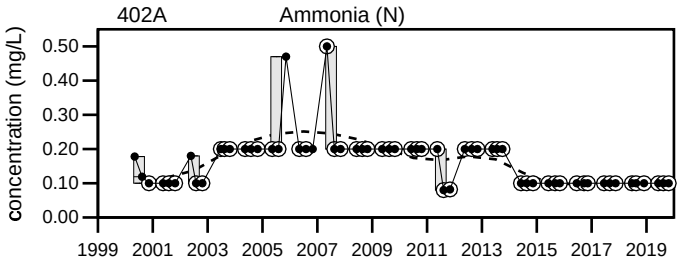


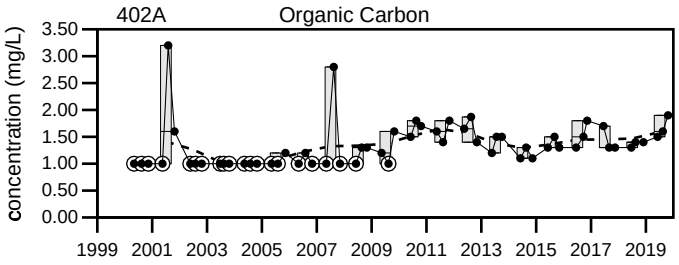


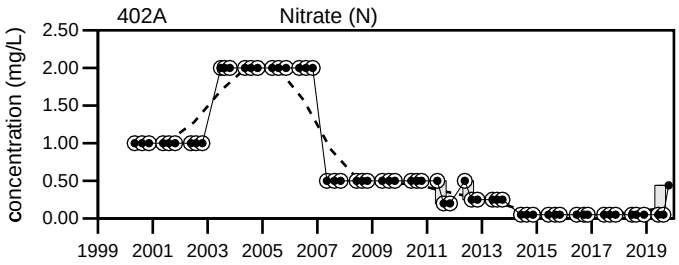
Dolby Landfill

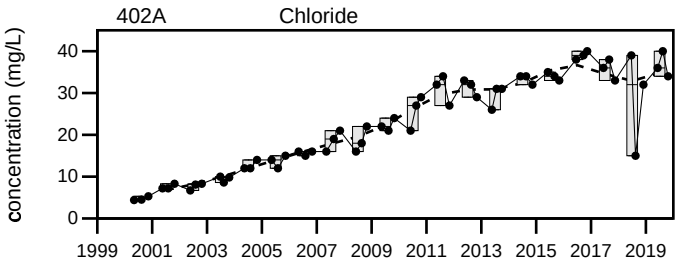
402A

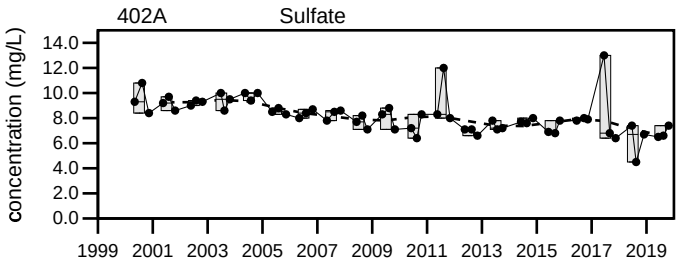
Sevee & Maher Engineers, Inc.

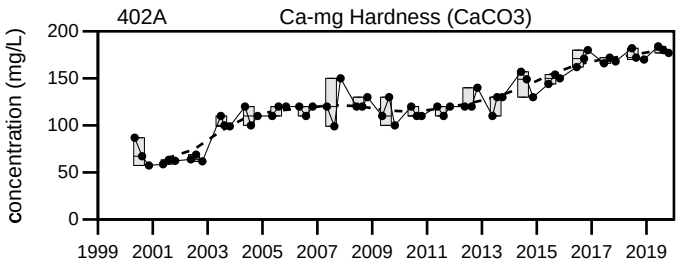


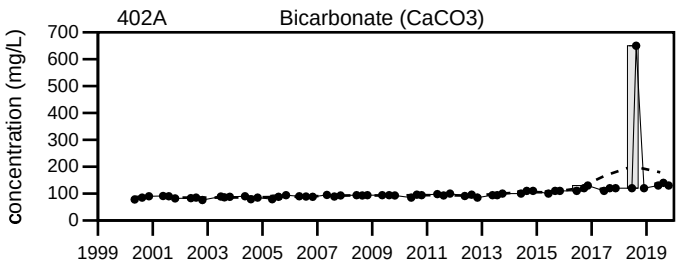


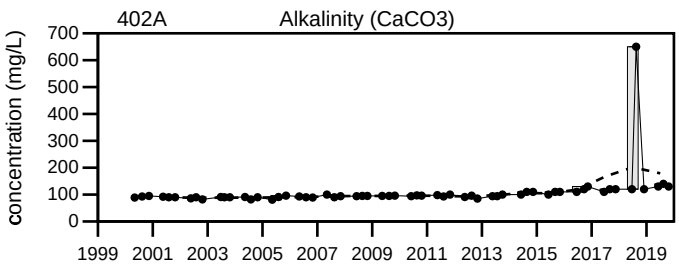


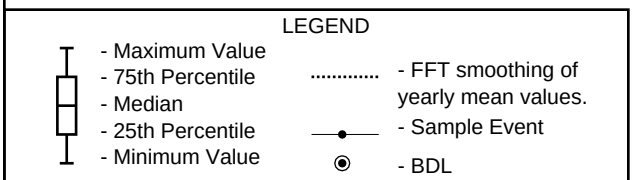












Dolby Landfill

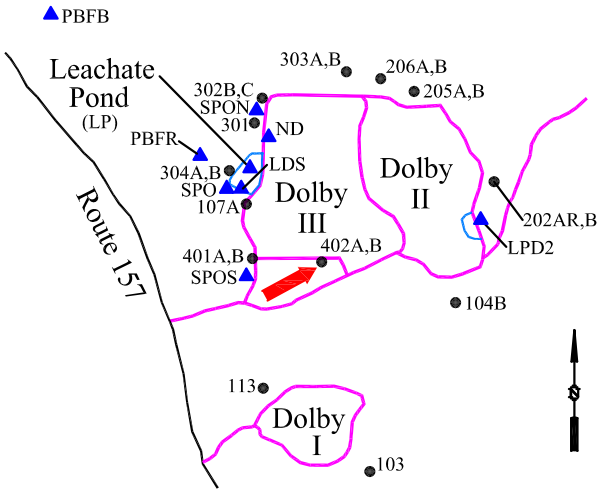
402A

Sevee & Maher Engineers, Inc.

Well Description

Well located cross-gradient of Cells 3A and 3B to south of the Dolby III Landfill.

Screen Interval:	**10 ft. to 20 ft.**
Sampled:	**3 times annually**
Sampled Since:	**Jun-90**
Material Screened:	**Glacial Till**
Well Condition:	**Good**
Sampling Method:	**Low Flow (Initiated Aug. 2000)**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		650	600	660	170	to 1308	760	± 30	57
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to 91	4	± 1.6	57
Specific Conductance (µmhos/cm @25°C)		1007	1016	1000	997	to 2180	1300	± 58	57
pH (STU)		7	7.1	7	6.5	to 7.3	6.8	± 0.028	57
Dissolved Oxygen (mg/L)		0.4	1.6	1.9	0.1	to 6.1	0.64	± 0.11	56
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.044	0.0068	± 0.000	55
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.01 U	to 0.27	0.042	± 0.005	57
Calcium (mg/L)		124	117	123	110	to 266.8	160	± 5.2	51
Magnesium (mg/L)		67.8	68	68.3	38	to 100	72	± 1.6	51
Manganese (mg/L)		**0.452**	**0.891**	**1.32**	0.07	to 5.04	0.97	± 0.13	57
Potassium (mg/L)		8.42	11.9	13.4	3.43	to 35	11	± 0.92	57
Sodium (mg/L)		↓ **24.5**	**25.6**	**26.7**	25.6	to 84.14	39	± 2.3	57
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to 4.6	0.19	± 0.051	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to 3.8	0.91	± 0.12	57
Sulfate (mg/L)		4.9	5.6	6.4	1.5	to 30.9	7.9	± 0.4	57
Ca-mg Hardness (CaCO3) (mg/L)		588	572	588	460	to 1137.5	630	± 31	57
Bicarbonate (CaCO3) (mg/L)		600	610	590	140	to 1100	680	± 23	57
Alkalinity (CaCO3) (mg/L)		600	620	590	140	to 1148	710	± 25	57
Organic Carbon (mg/L)		4.3	4.9	5	4.3	to 211.2	12	± 2.4	57
Chloride (mg/L)		11	14	12	4.6	to 122	60	± 5.9	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

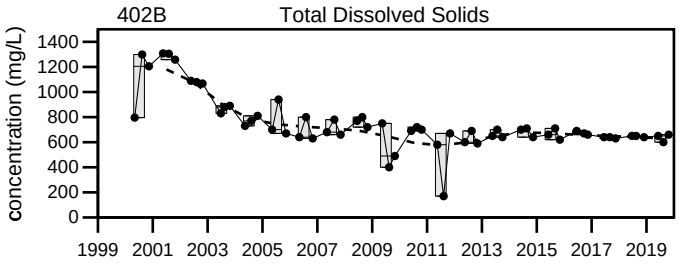
Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

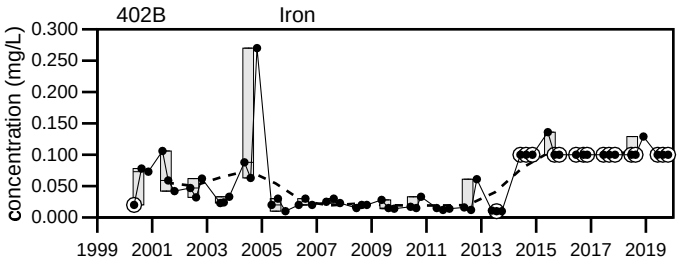
Q3= 8 - 2019

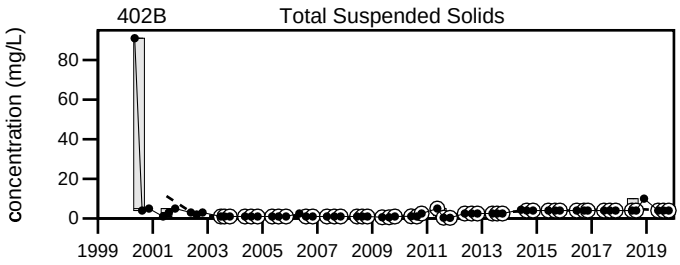
Q4= 10 - 2019

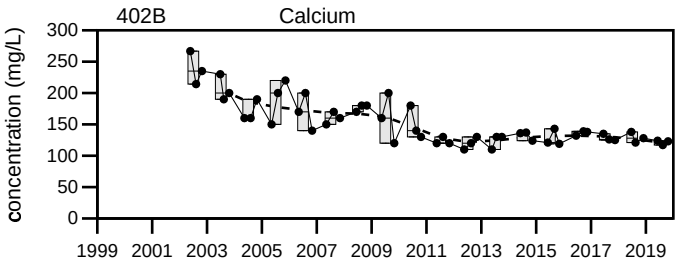
Data Group: 179
Printed: 3/5/2020 14:27

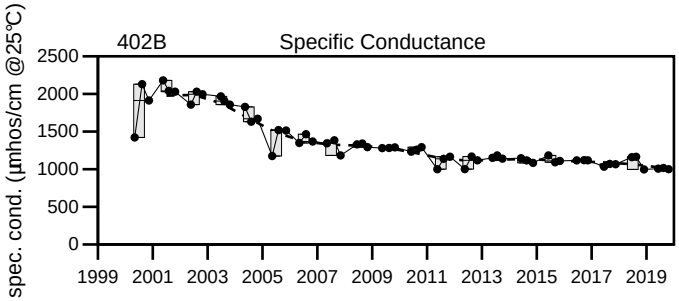
SME SEVEE & MAHER ENGINEERS

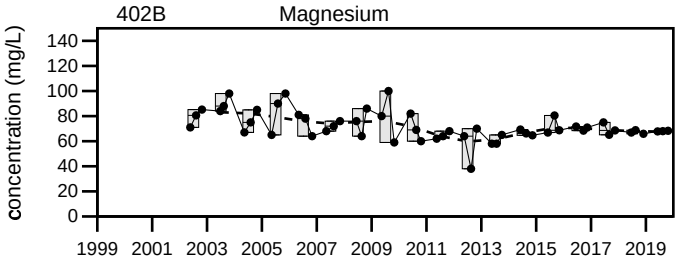


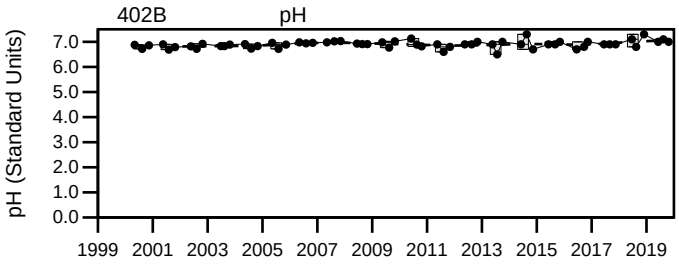


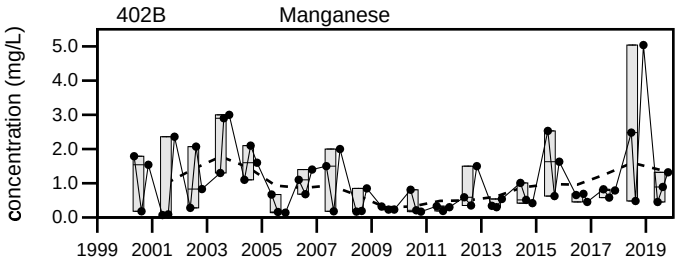


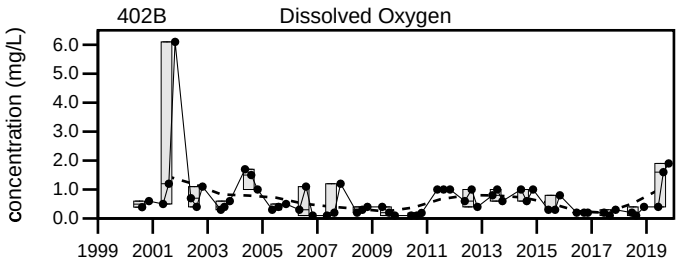


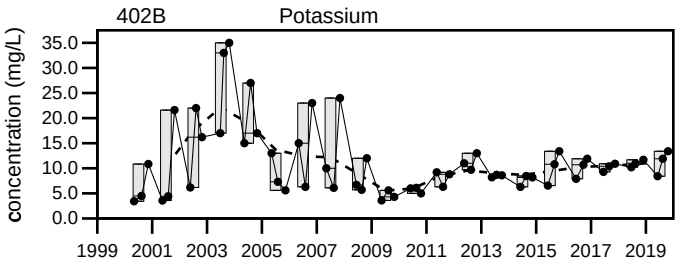


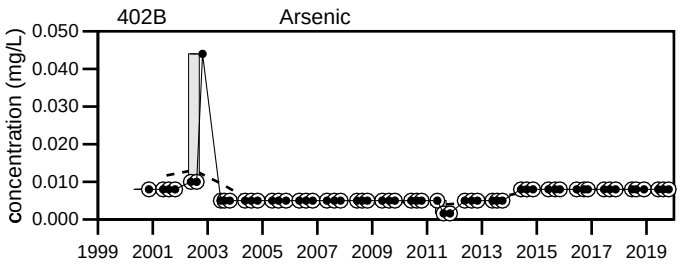


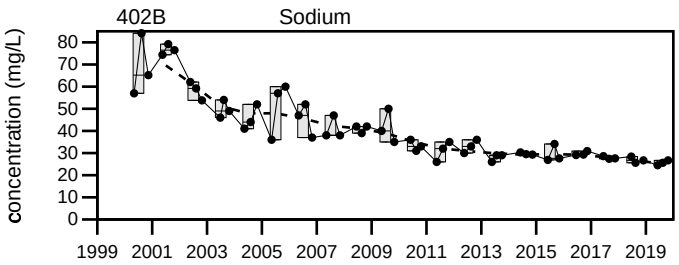


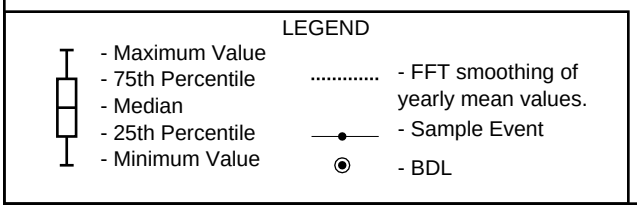








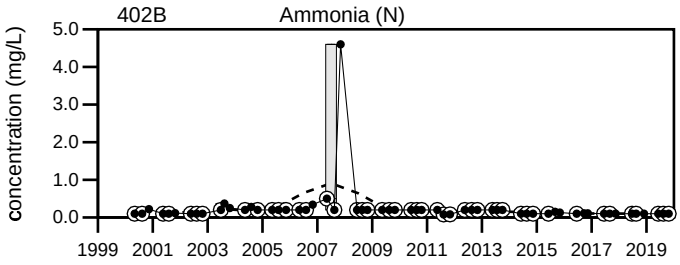


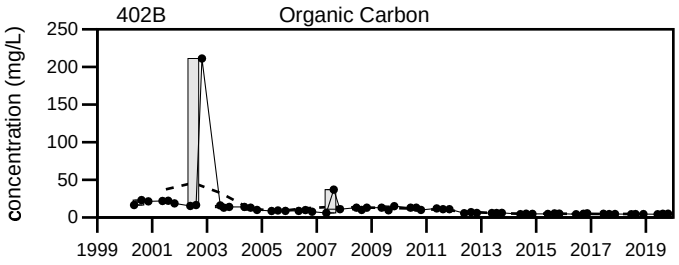


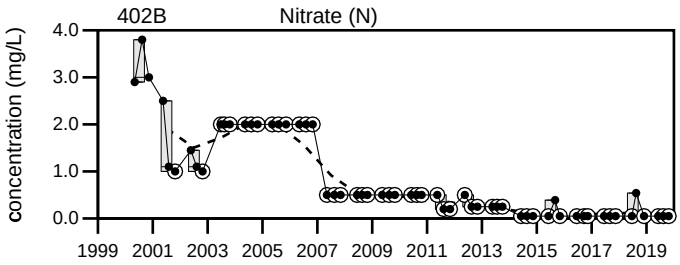
Dolby Landfill

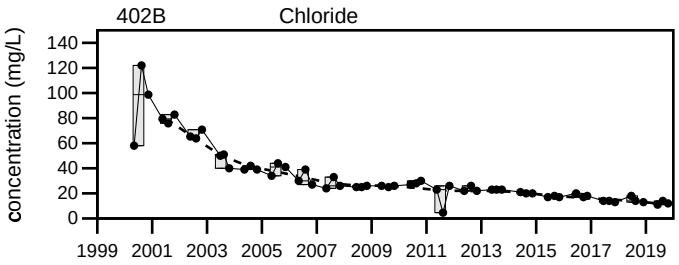
402B

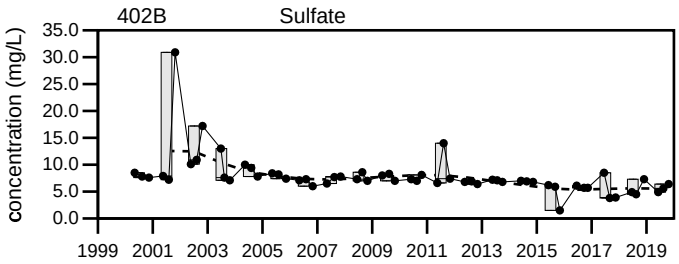
Sevee & Maher Engineers, Inc.

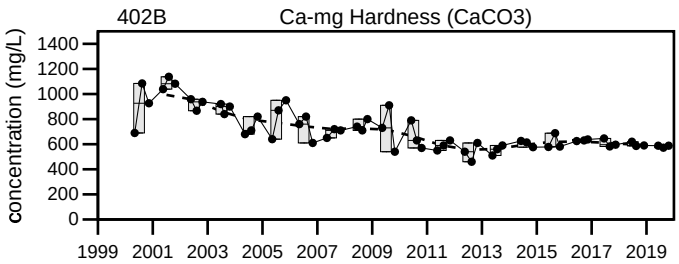


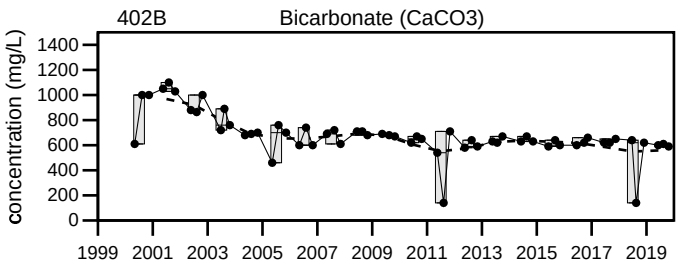


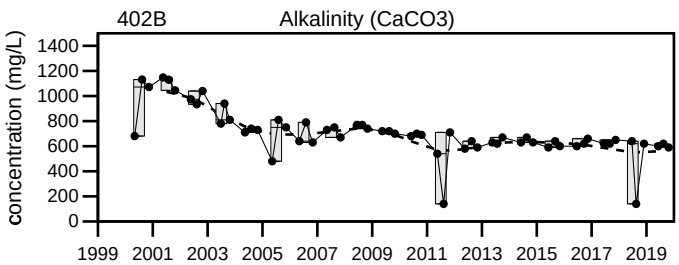


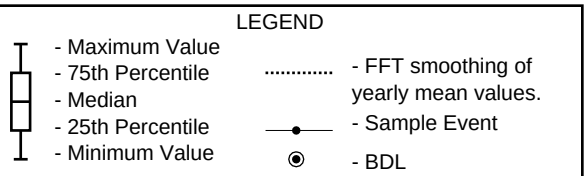












Dolby Landfill

402B

Sevee & Maher Engineers, Inc.

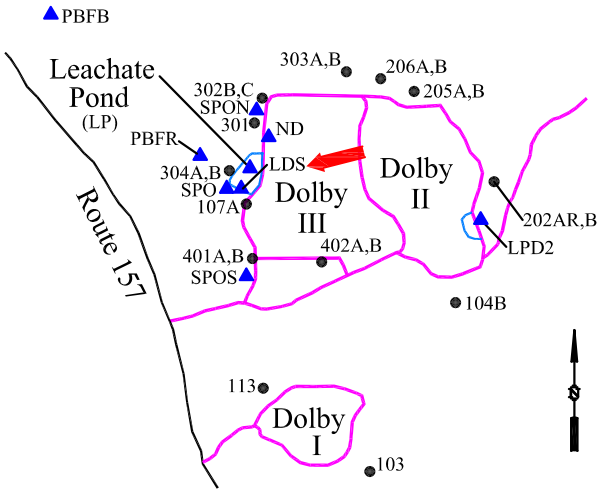
Well Description

Sample from the leak detection system at the Dolby III leachate pond west of landfill.

Sampled: **3 Times Annually**

Sampled Since: **May-08**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		1497	1408	1162	887	to 1773	1200	± 48	33
pH (STU)		7.1	7.1	7.2	6.57	to 7.8	7	± 0.047	33
Dissolved Oxygen (mg/L)		3.4	2.5	0.5	0.3	to 6	1.6	± 0.24	24
Arsenic (mg/L)		0.01	0.015	0.013	0.006	to 0.034	0.014	± 0.001	33
Calcium (mg/L)		157	144	133	29	to 210	140	± 5.4	33
Iron (mg/L)		5.06	5.16	7.9	2.87	to 24	7.8	± 0.91	33
Magnesium (mg/L)		↑87.9	71	48.7	26	to 84.3	52	± 3.2	33
Manganese (mg/L)		5.46	4.86	3.76	1.5	to 14	5.6	± 0.46	33
Potassium (mg/L)		70.3	62.9	36.6	1 U	to 110	44	± 4.6	33
Sodium (mg/L)		41.1	38.2	33	5.1	to 45	31	± 1.3	33
Ammonia (N) (mg/L)		6.6	6	2.3	0.2 U	to 7.9	3.1	± 0.39	33
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to 0.5 U	0.24	± 0.034	33
Total Phosphorus Mixed Forms (PO4 and		0.1 U	0.1 U	0.1 U	0.02 U	to 0.24	0.076	± 0.008	32
Total Dissolved Solids (mg/L)		900	880	620	370	to 1000	710	± 26	33
Total Suspended Solids (mg/L)		4.8	8	23	4 U	to 72	17	± 2.6	33
Sulfate (mg/L)		26	23	16	1 U	to 51	17	± 2.1	33
Ca-mg Hardness (CaCO3) (mg/L)		755	651	533	180	to 870	550	± 25	33
Bicarbonate (CaCO3) (mg/L)		810	760	550	320	to 880	600	± 25	33
Alkalinity (CaCO3) (mg/L)		810	760	550	320	to 950	610	± 26	33
Organic Carbon (mg/L)		21	19	12	6.2	to 49	18	± 1.9	33
Chloride (mg/L)		39	40	31	4	to 54	37	± 1.5	33

underlined/bold - values exceed a regulatory standard listed below.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 181

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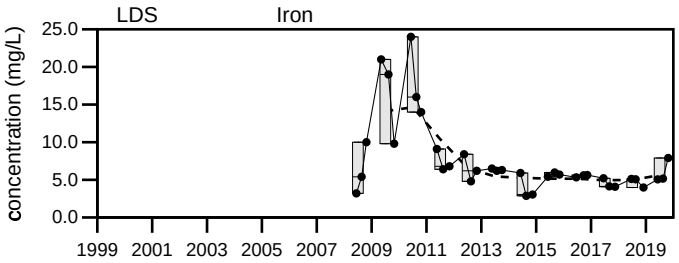
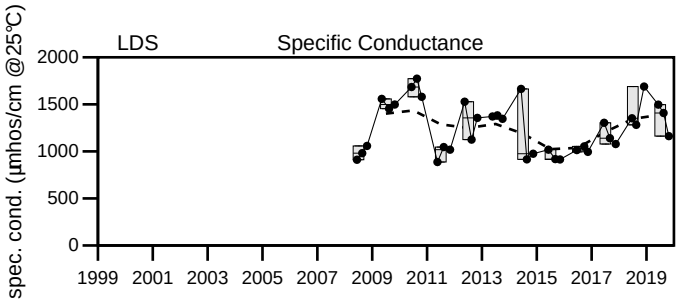
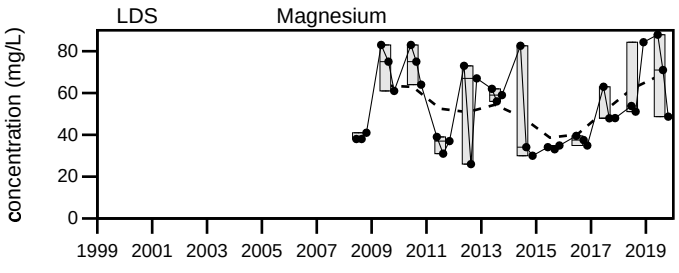
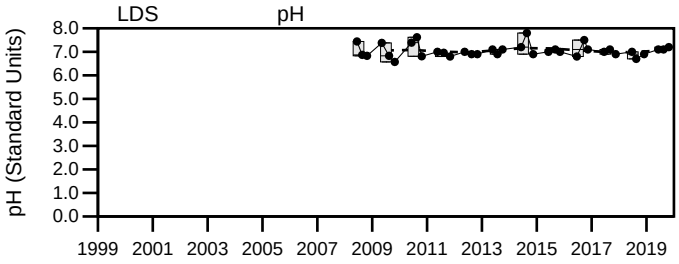
SME SEVEE & MAHER ENGINEERS

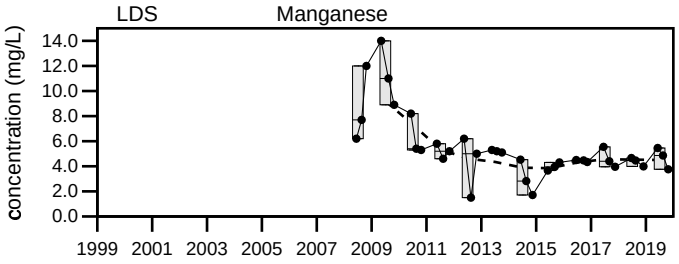
No data for Copper at LDS

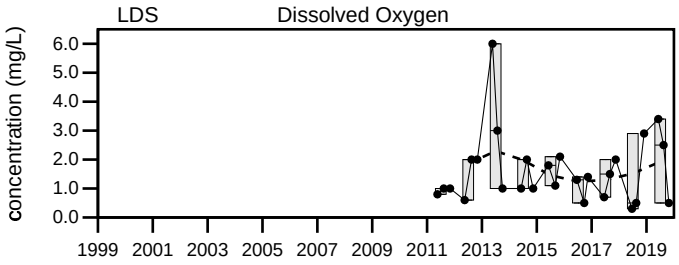


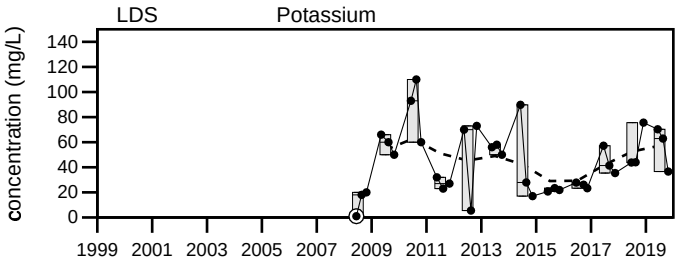


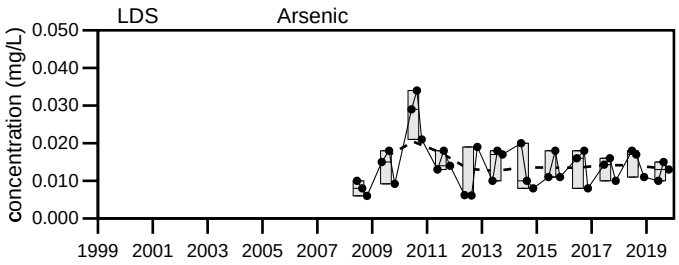


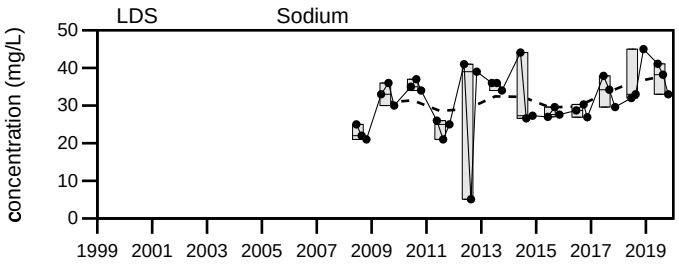


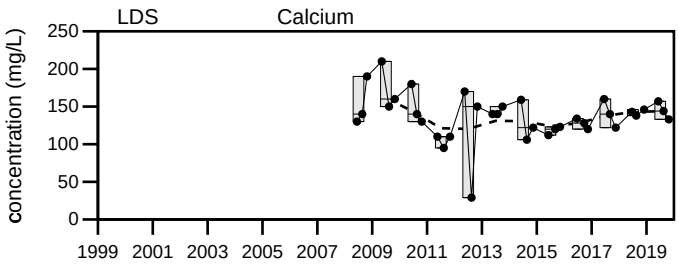


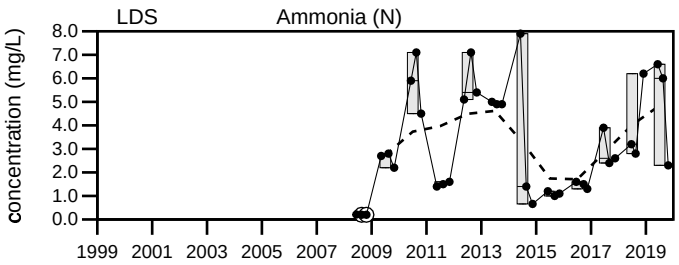












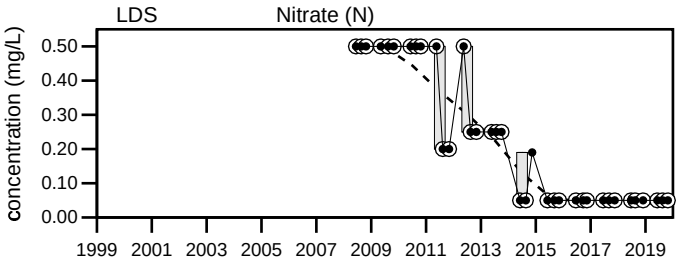
LEGEND

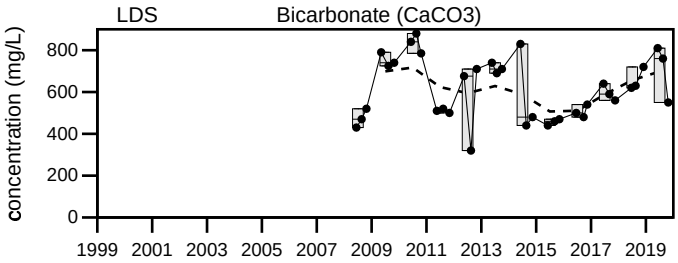
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

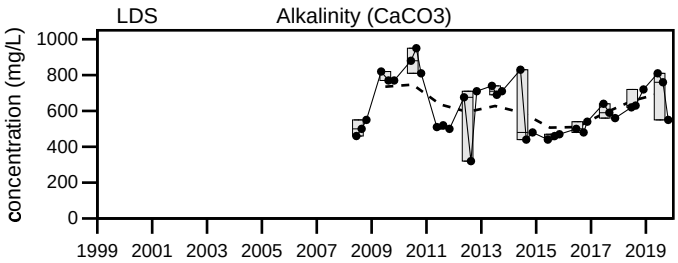
Dolby Landfill

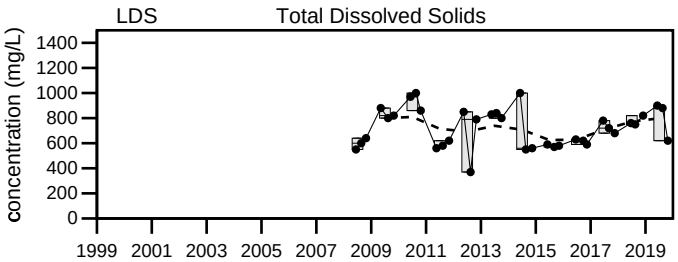
LDS

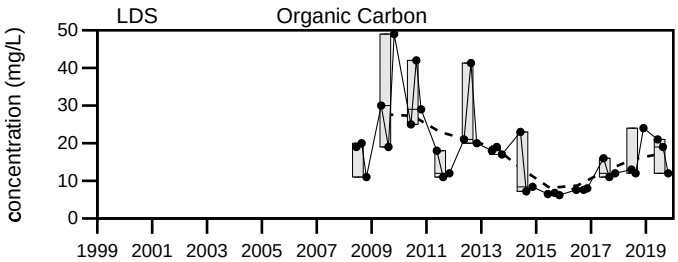
Sevee & Maher Engineers, Inc.

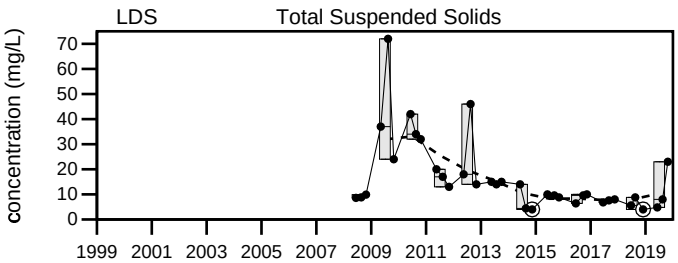


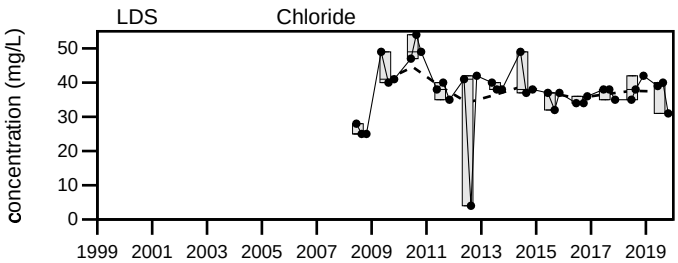


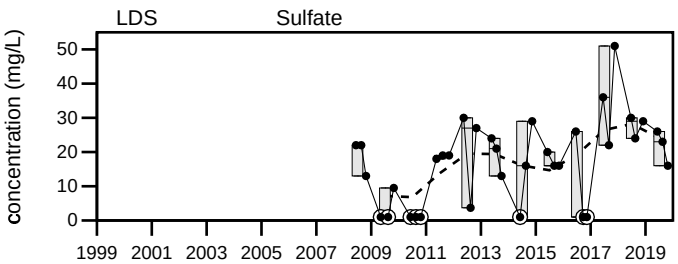


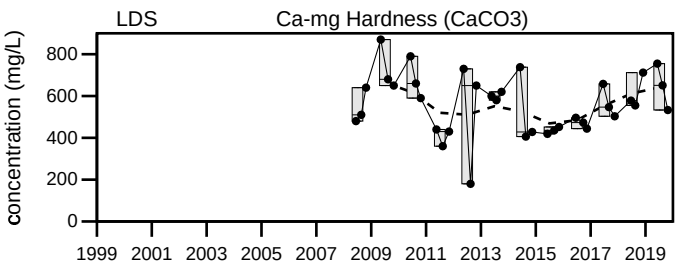


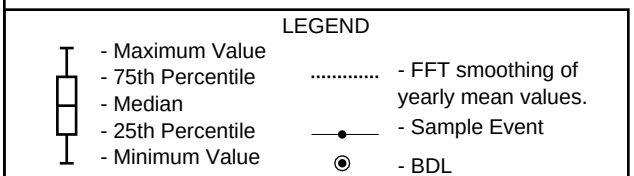












Dolby Landfill

LDS

Sevee & Maher Engineers, Inc.

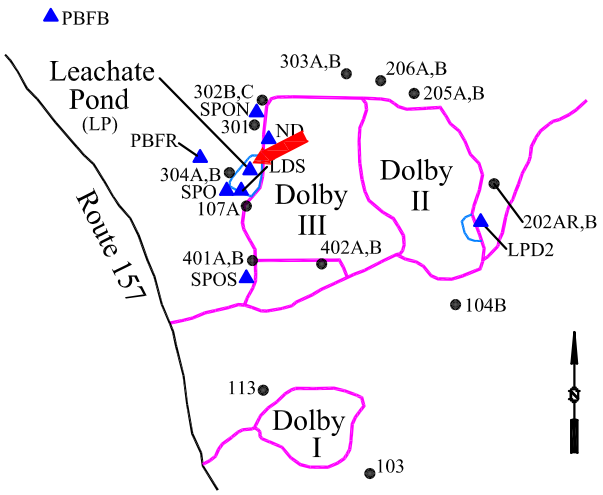
Well Description

Sample from the leachate pond to the west of landfill.

Sampled: **3 times annually**

Sampled Since: **Apr-86**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		1182	1875	1549	630	4760	2700	120	56
pH (STU)		7.4	7.9	7.7	6.46	8.46	7.4	0.039	56
Temperature (Deg C)		23.4	25.2	11	1.7	26.8	14	0.64	56
Dissolved Oxygen (mg/L)		12.4	6.6	5.4	2.4	13.9	7	0.5	24
Benzene (ug/L)		3 U	3 U	3 U	3 U	30 U	4.8	0.89	30
Toluene (ug/L)		5 U	5 U	5 U	2.8	50 U	6.4	1.5	30
Ethylbenzene (ug/L)		5 U	5 U	5 U	3.7 U	50 U	6.5	1.5	30
o-Xylene (ug/L)		5 U	5 U	5 U	4.4 U	50 U	6.5	1.5	30
m,p-Xylene (ug/L)		10 U	10 U	10 U	0.96	100 U	11	3.1	30
C11-C22 AROMATICS (ADJUSTED) (ug/L		95 U	95 U	99 U	94 U	280	100	8.8	21
C19-C36 ALIPHATICS (ADJUSTED) (ug/L		95 U	95 U	99 U	94 U	104 U	96	0.71	21
C5-C8 ALIPHATICS (ADJUSTED) (ug/L)		100 U	100 U	100 U	75 U	1000 U	140	45	20
C9-C10 AROMATICS (ADJUSTED) (ug/L)		100 U	100 U	100 U	25 U	1000 U	130	47	20
C9-C12 ALIPHATICS (ADJUSTED) (ug/L)		100 U	100 U	100 U	25 U	1000 U	130	47	20
C9-C18 ALIPHATICS (ADJUSTED) (ug/L)		95 U	95 U	99 U	94 U	104 U	96	0.71	21
Methyltertiarybutylether (ug/L)		5 U	5 U	5 U	2 U	50 U	6.6	1.8	25
Naphthalene (ug/L)		5 U	5 U	5 U	1.7 U	50 U	6.4	1.8	26
Naphthalene (EPH) (ug/L)		1.9 U	1.9 U	↑2 U	1.9 U	1.9 U	1.9	1E-08	13
2-Methylnaphthalene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Acenaphthylene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Acenaphthene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Fluorene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Phenanthrene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Anthracene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Fluoranthene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Pyrene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Benzo(a)Anthracene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Chrysene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Benzo(b)Fluoranthene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Benzo(k)Fluoranthene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Benzo(a)Pyrene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Indeno(1,2,3-c,d)Pyrene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Dibenz(a,h)Anthracene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Benzo(g,h,i)perylene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	10 U	3.3	0.52	23
Aluminum (mg/L)				0.3 U	0.02 U	0.3 U	0.16	0.025	20
Antimony (mg/L)				0.008 U	0.00035 U	0.011	0.0054	0.000	15
Arsenic (mg/L)		0.01	0.015	0.012	0.0036	0.068	0.021	0.002	54

Data Group: 182
Printed: 3/5/2020 14:31

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Dolby Landfill 2019 Leachate Stats

Barium (mg/L)			0.107	0.0439 to 0.25	0.15 ± 0.011	20
Beryllium (mg/L)			0.005 U	0.00002 U to 0.005 U	0.0029 ± 0.000	15
Cadmium (mg/L)			0.005 U	0.00015 to 0.005 U	0.0023 ± 0.000	15
Calcium (mg/L)	118	110	115	30 to 340	160 ± 9.8	50
Chromium (mg/L)			0.01 U	0.0036 to 0.01 U	0.0068 ± 0.000	20
Cobalt (mg/L)			0.01 U	0.0064 to 0.05 U	0.038 ± 0.004	20
Copper (mg/L)			0.025 U	0.00028 U to 0.025 U	0.0089 ± 0.002	20
Iron (mg/L)	3.46	1.88	3.69	1.18 to 76.7	9.2 ± 1.1	56
Lead (mg/L)			0.005 U	0.00077 U to 0.005	0.0035 ± 0.000	20
Magnesium (mg/L)	62	133	99.4	24 to 350	120 ± 8.7	50
Manganese (mg/L)	4.63	1.7	2.68	0.728 to 20.95	6.5 ± 0.66	56
Nickel (mg/L)			0.01 U	0.005 to 0.022	0.012 ± 0.000	20
Potassium (mg/L)	59.7	143	108	26 to 410	160 ± 11	56
Selenium (mg/L)			0.01 U	0.005 U to 0.016	0.0095 ± 0.000	20
Silver (mg/L)			0.01 U	0.001 U to 0.01 U	0.0066 ± 0.001	15
Sodium (mg/L)	20.9	54.6	40.9	9.39 to 140	67 ± 3.7	55
Thallium (mg/L)			0.015 U	0.00125 U to 0.02	0.0075 ± 0.002	15
Zinc (mg/L)			0.02 U	0.005 U to 0.021 U	0.014 ± 0.001	20
Ammonia (N) (mg/L)	7.5	16	12	1.1 to 27	12 ± 0.63	56
Nitrate (N) (mg/L)	0.18	0.05 U	0.68	0.05 U to 15.5	1.8 ± 0.4	56
Total Phosphorus Mixed Forms (PO4 and	0.1 U	0.1 U	0.1 U	0.022 to 1.364	0.53 ± 0.06	55
Total Dissolved Solids (mg/L)	680	1200	950	270 to 3903	1400 ± 91	56
Total Suspended Solids (mg/L)	17	4 U	6.8	4 U to 133	52 ± 4.7	56
Sulfate (mg/L)	23	1 U	35	1 U to 320	84 ± 15	56
Ca-mg Hardness (CaCO3) (mg/L)	551	824	696	259 to 2300	1300 ± 90	56
Bicarbonate (CaCO3) (mg/L)	630	1100	850	260 to 2550	1100 ± 60	56
Alkalinity (CaCO3) (mg/L)	630	1100	850	260 to 2700	1100 ± 64	56
Organic Carbon (mg/L)	19	45	30	9.9 to 383.4	330 ± 79	56
Chloride (mg/L)	20	51	39	11 to 248	130 ± 9.5	56
Turbidity (field) (NTU)	12.6	6.7	2.6	0.8 to 74.3	21 ± 4.5	24

underlined/bold - values exceed a regulatory standard listed below.

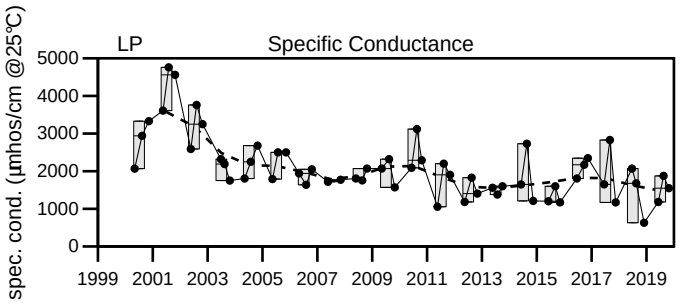
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

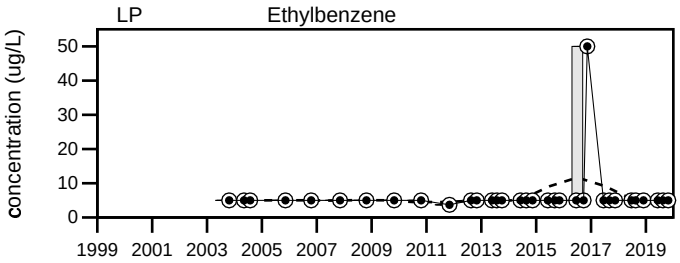
Comments

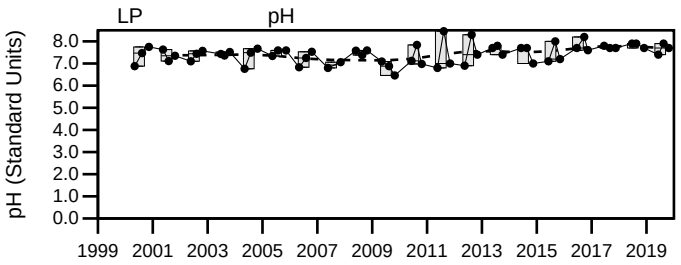
Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

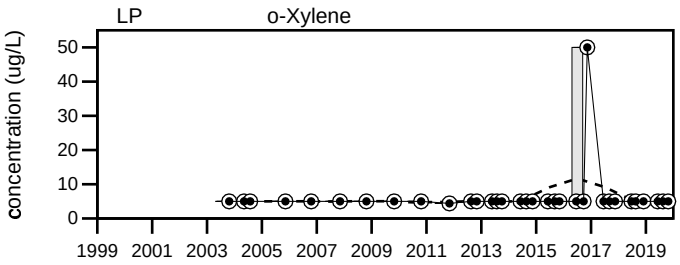
Q3= 8 - 2019

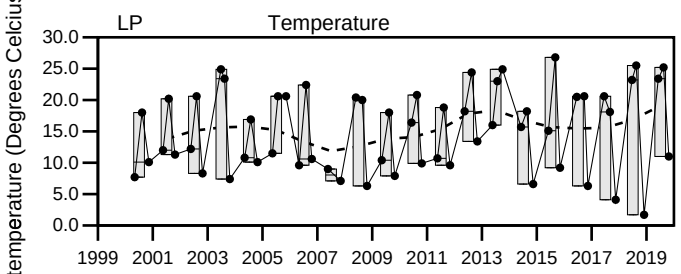
Q4= 10 - 2019

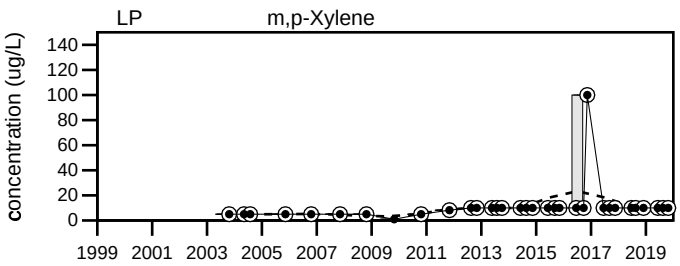


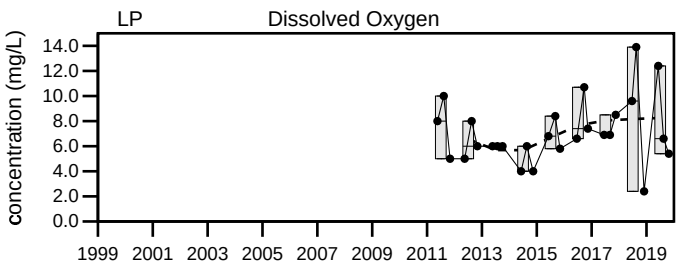


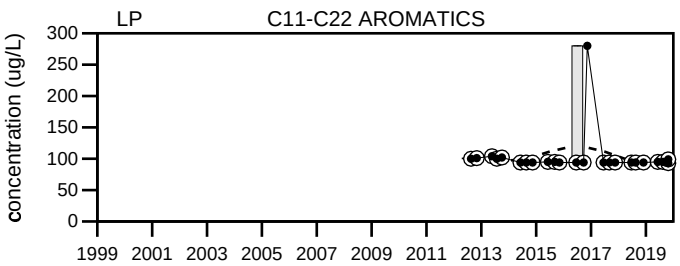


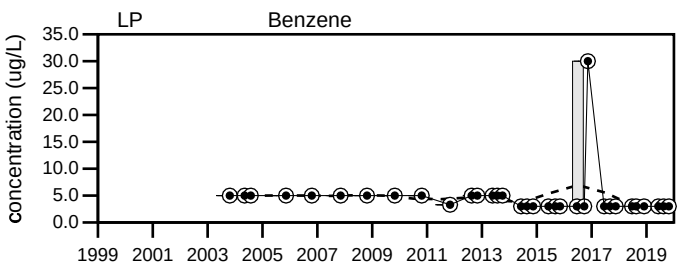


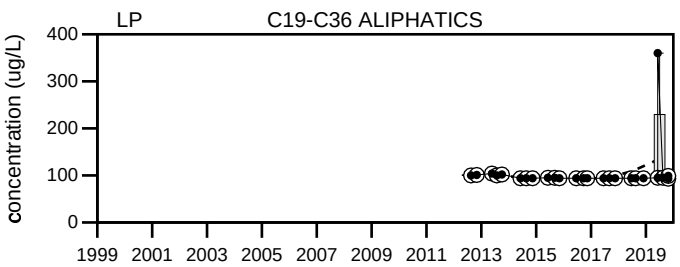


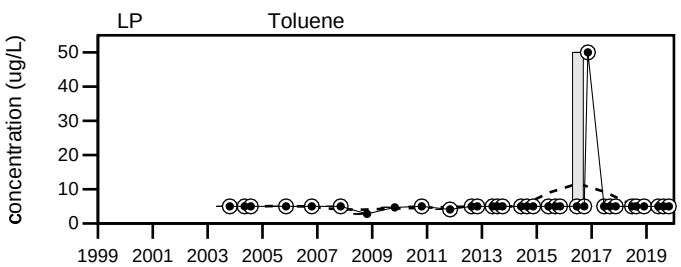


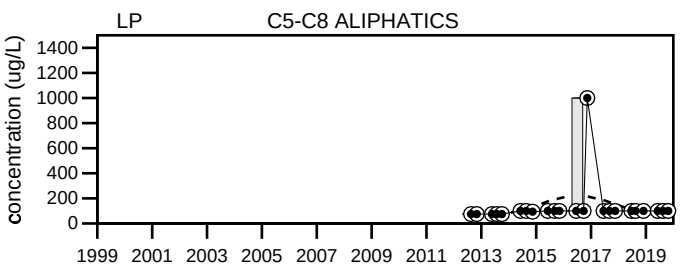


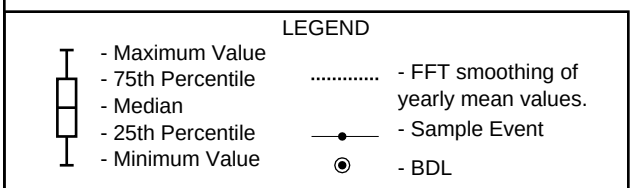












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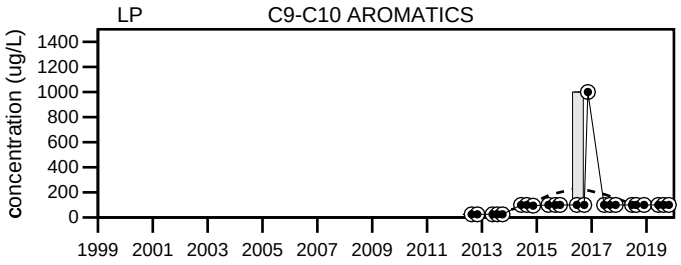

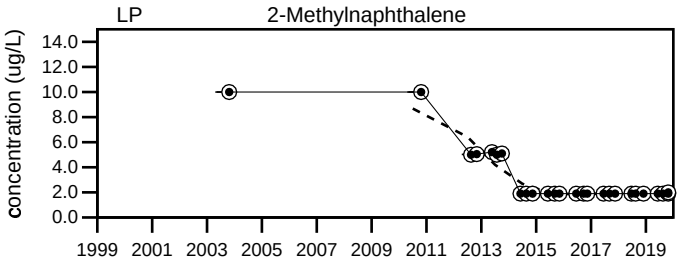

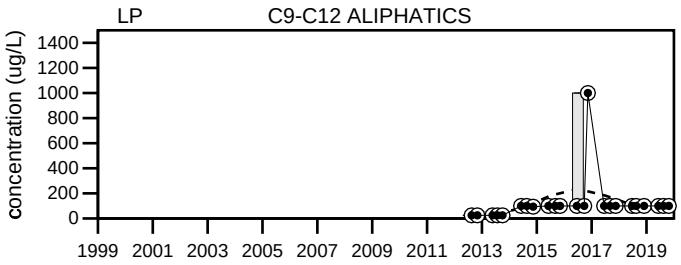

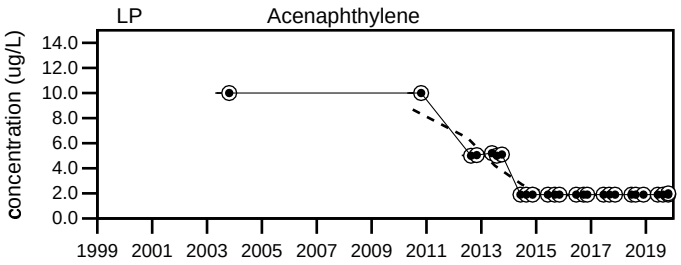

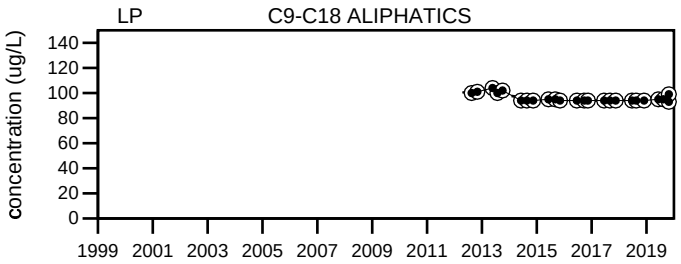

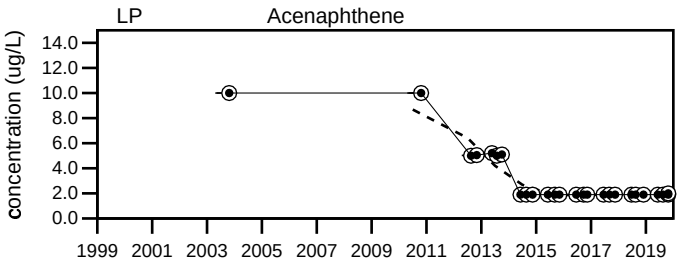

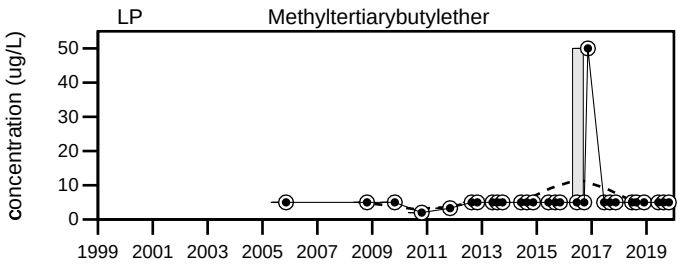

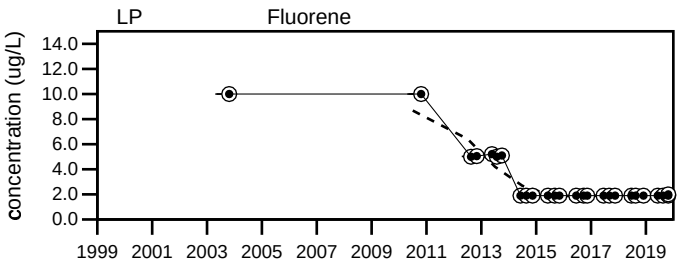

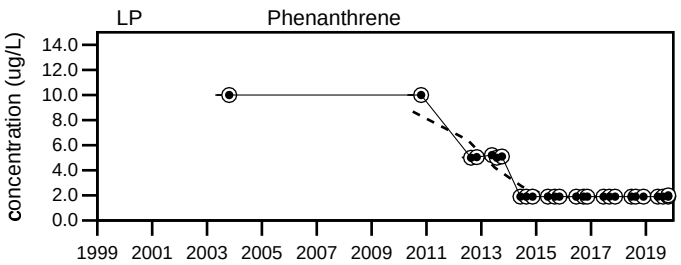

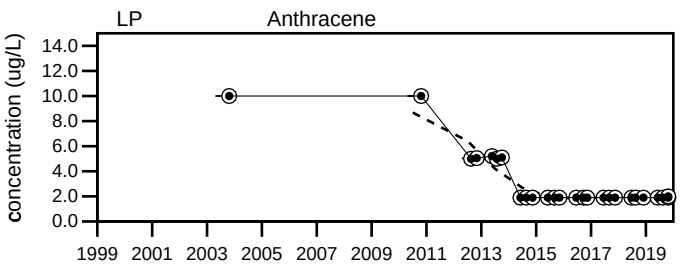

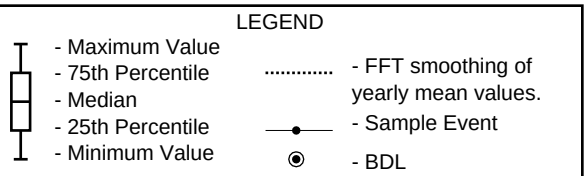

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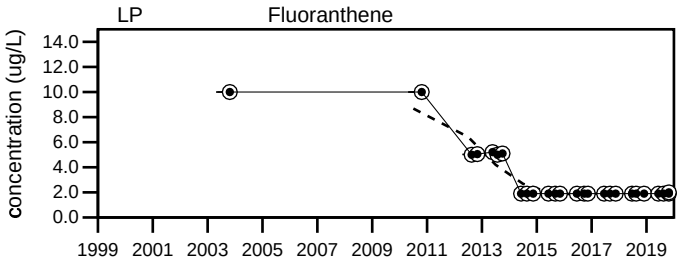

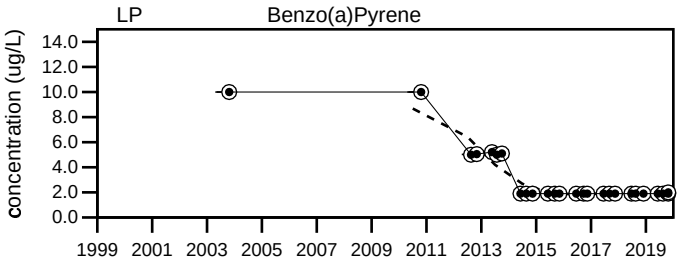

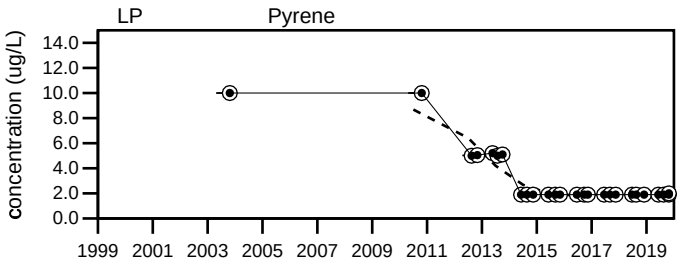

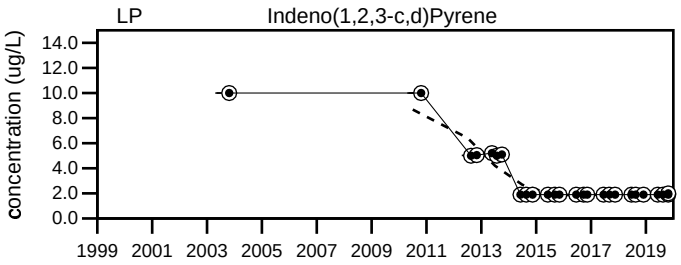

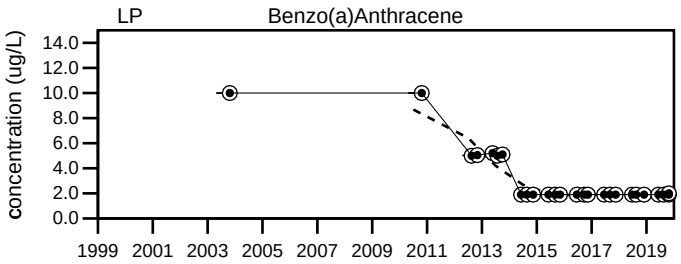

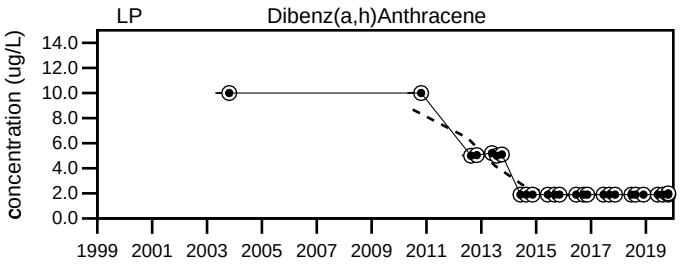

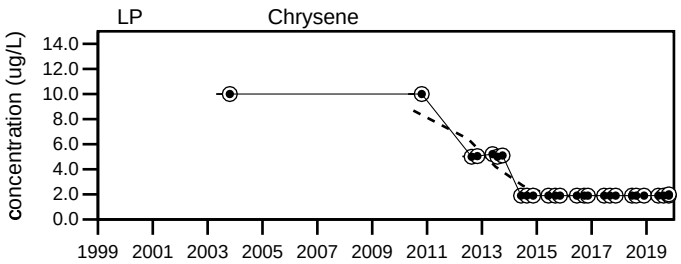

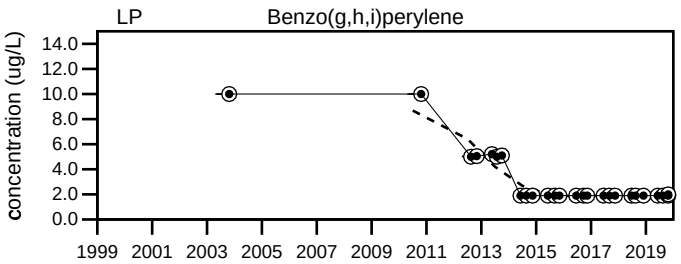

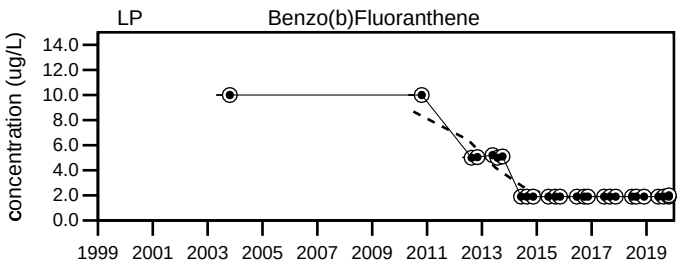

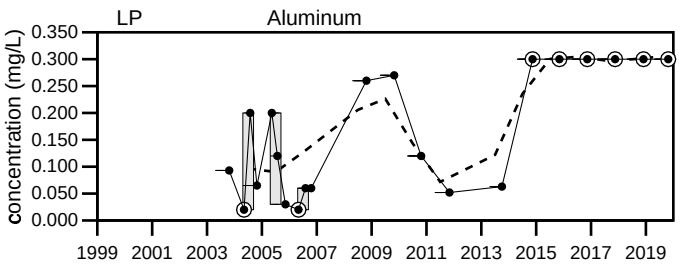

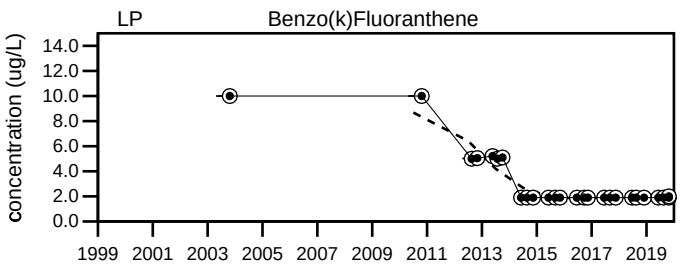

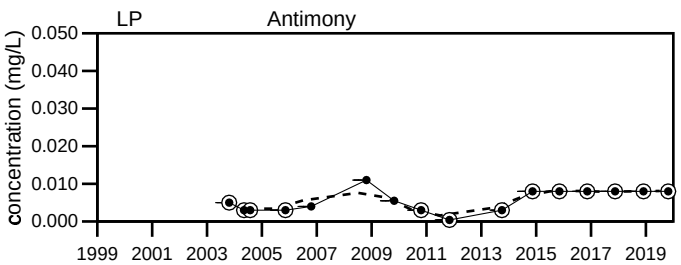

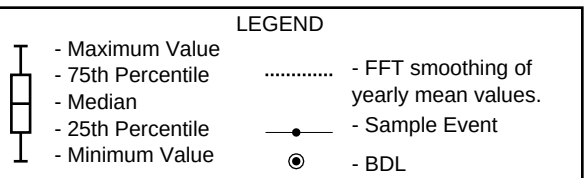

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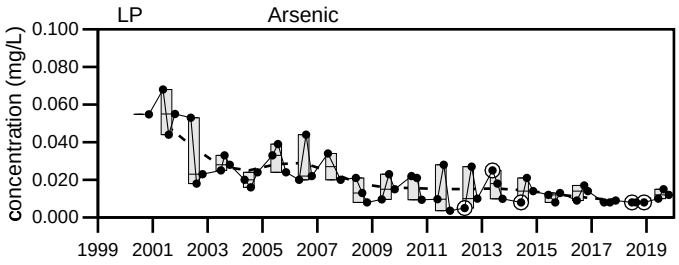

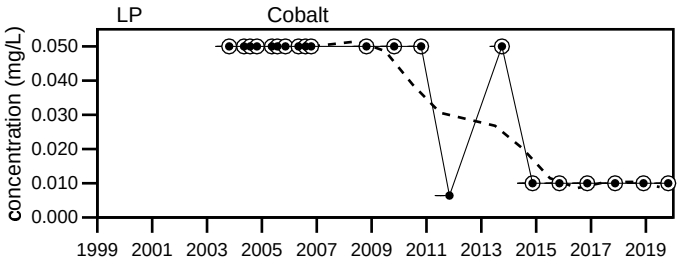

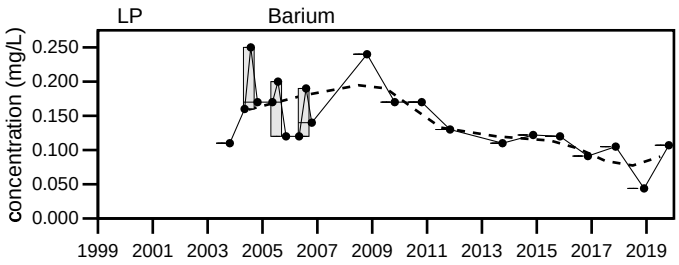

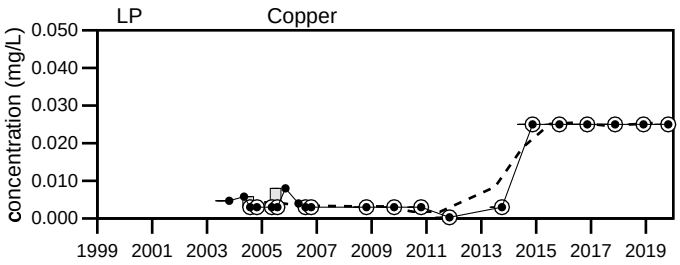

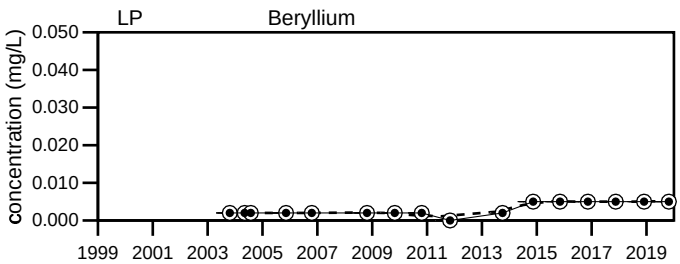

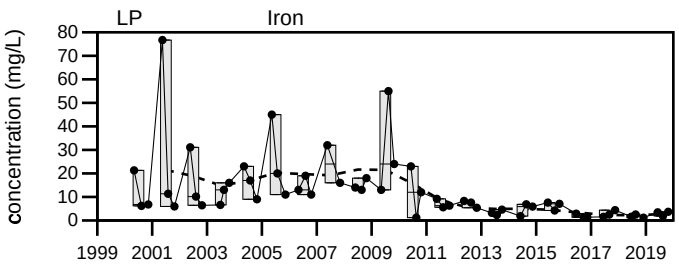

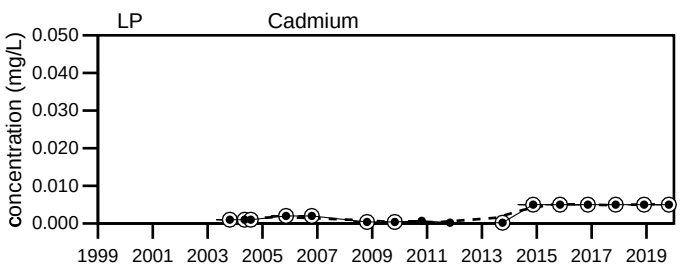

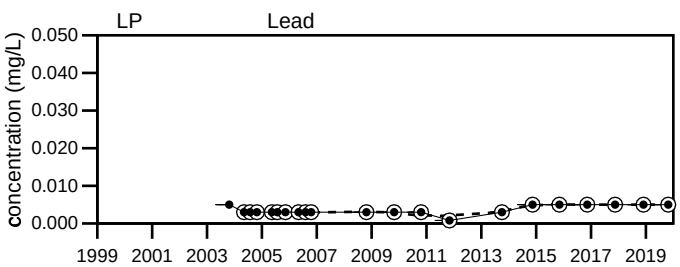

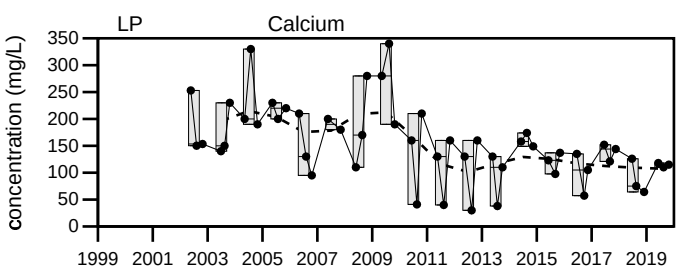

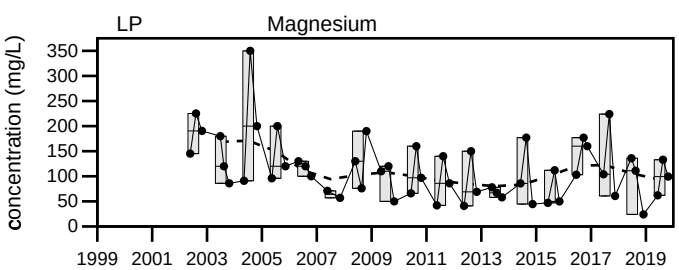

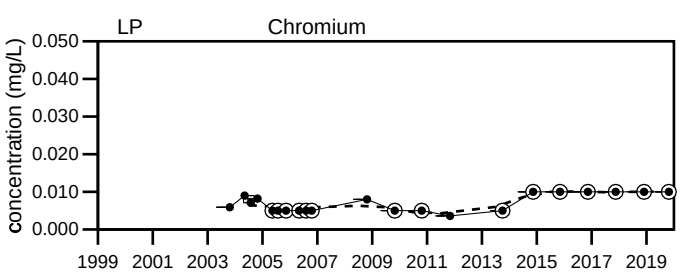

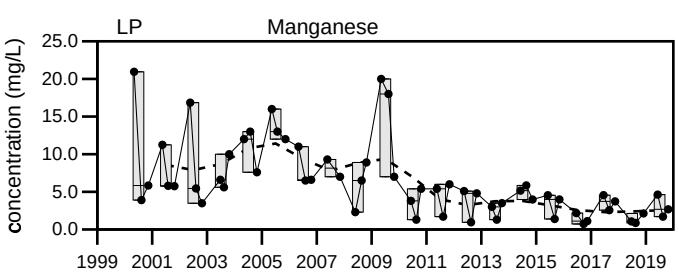

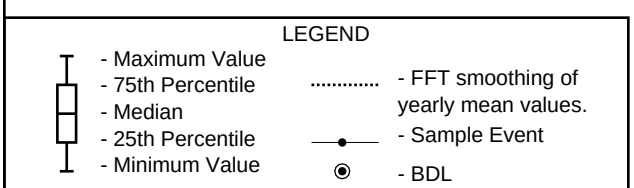

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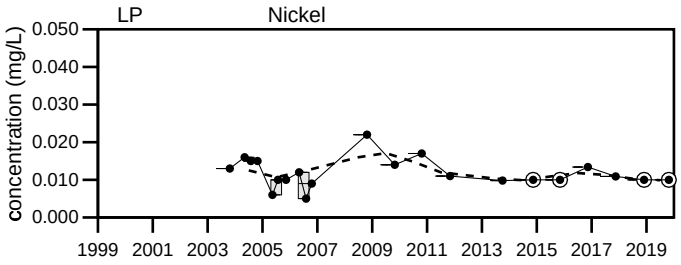

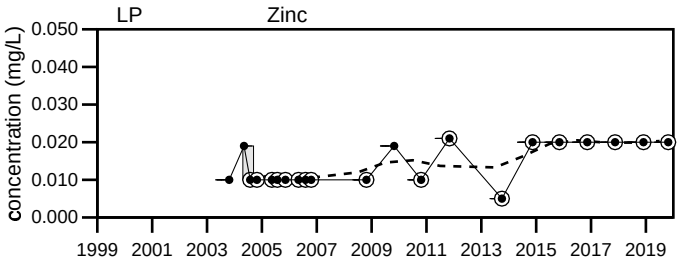

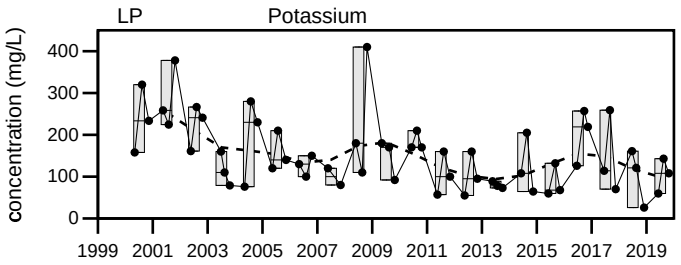

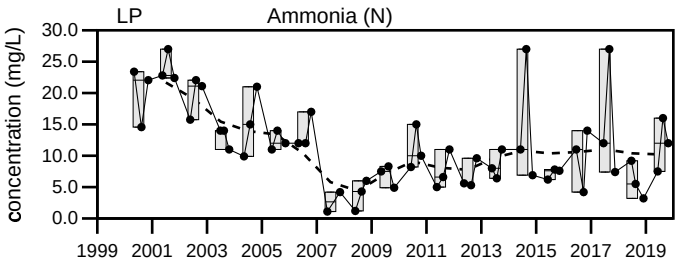

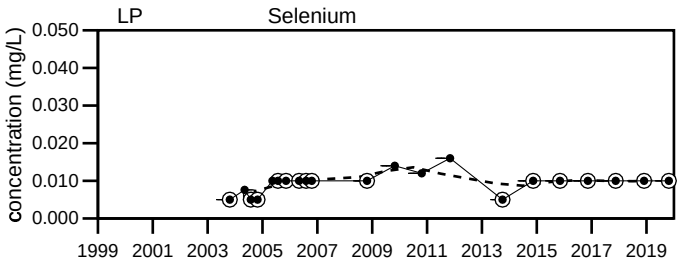

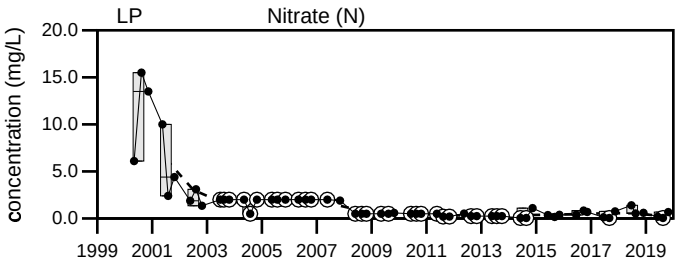

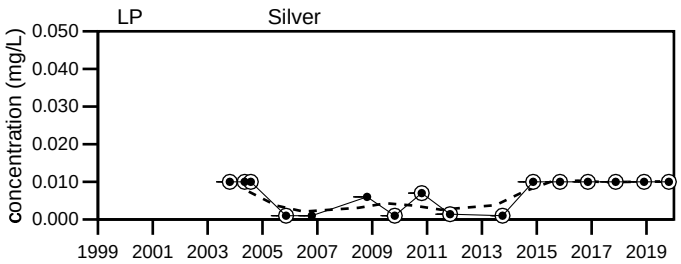

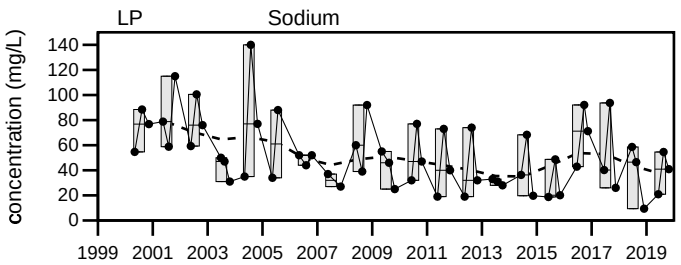

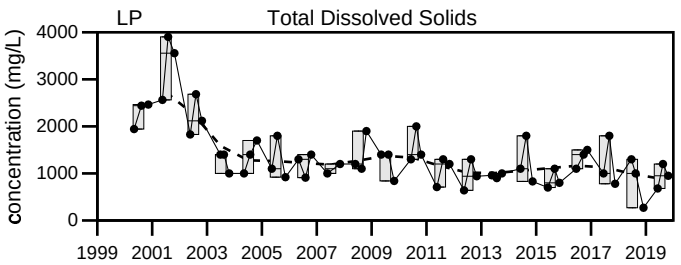

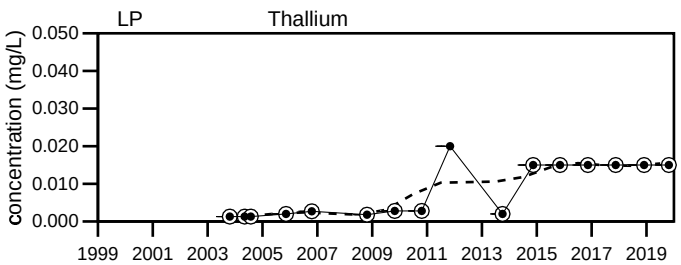

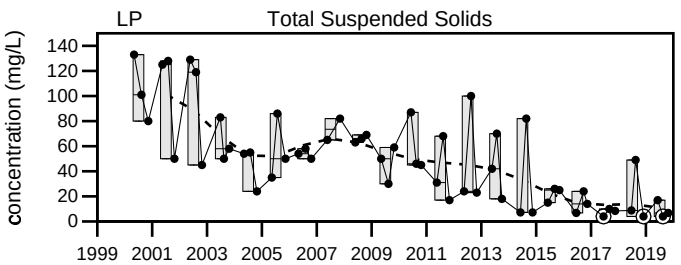

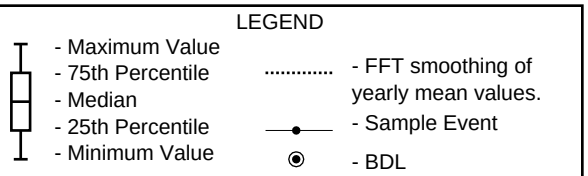

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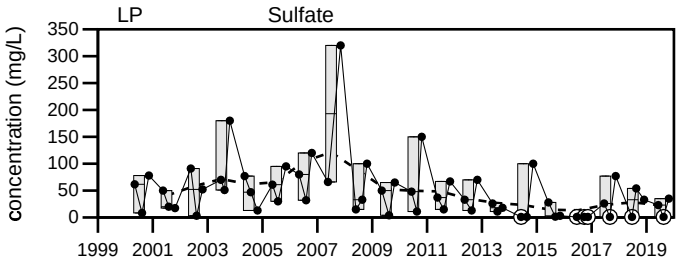

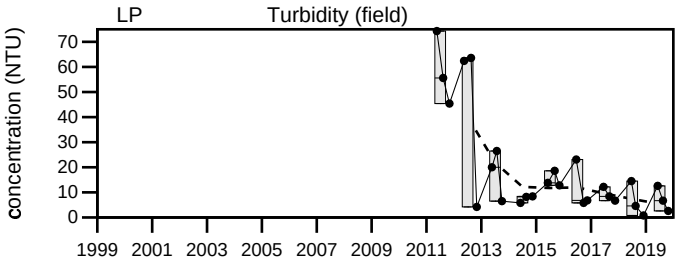

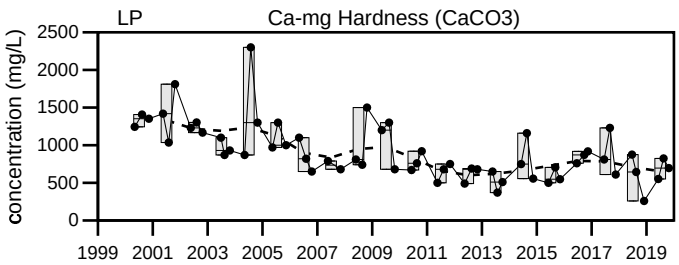

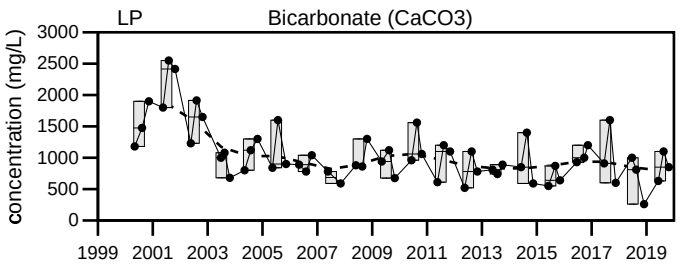

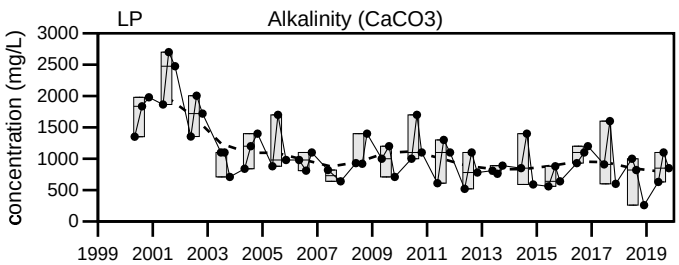

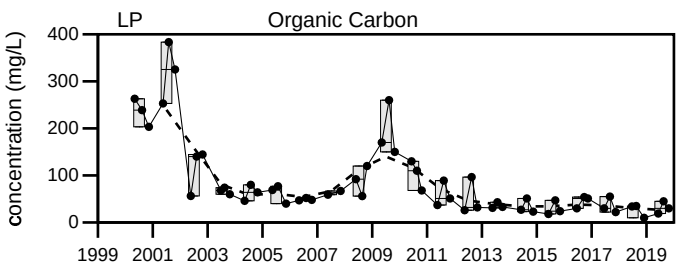

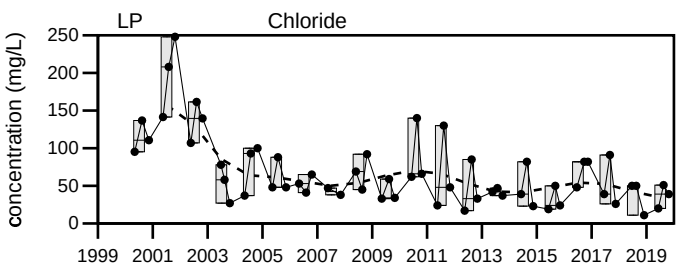

LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

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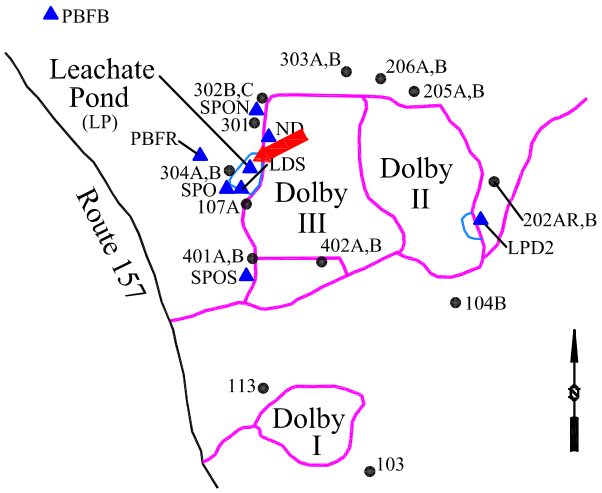
Well Description

Sample from the leachate pond to the west of landfill.

Sampled: **3 times annually**

Sampled Since: **Apr-86**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Benzene (ug/L)		3 U	3 U	3 U	3 U	to 30 U	4.8	± 0.89	30
Toluene (ug/L)		5 U	5 U	5 U	2.8	to 50 U	6.4	± 1.5	30
Ethylbenzene (ug/L)		5 U	5 U	5 U	3.7 U	to 50 U	6.5	± 1.5	30
o-Xylene (ug/L)		5 U	5 U	5 U	4.4 U	to 50 U	6.5	± 1.5	30
m,p-Xylene (ug/L)		10 U	10 U	10 U	0.96	to 100 U	11	± 3.1	30
C11-C22 AROMATICS (ADJUSTED) (ug/L		95 U	95 U	99 U	94 U	to 280	100	± 8.8	21
C19-C36 ALIPHATICS (ADJUSTED) (ug/L		95 U	95 U	99 U	94 U	to 104 U	96	± 0.71	21
C5-C8 ALIPHATICS (ADJUSTED) (ug/L)		100 U	100 U	100 U	75 U	to 1000 U	140	± 45	20
C9-C10 AROMATICS (ADJUSTED) (ug/L)		100 U	100 U	100 U	25 U	to 1000 U	130	± 47	20
C9-C12 ALIPHATICS (ADJUSTED) (ug/L)		100 U	100 U	100 U	25 U	to 1000 U	130	± 47	20
C9-C18 ALIPHATICS (ADJUSTED) (ug/L)		95 U	95 U	99 U	94 U	to 104 U	96	± 0.71	21
Methyltertiarybutylether (ug/L)		5 U	5 U	5 U	2 U	to 50 U	6.6	± 1.8	25
Naphthalene (ug/L)		5 U	5 U	5 U	1.7 U	to 50 U	6.4	± 1.8	26
Naphthalene (EPH) (ug/L)		1.9 U	1.9 U	↑2 U	1.9 U	to 1.9 U	1.9	± 1E-08	13
2-Methylnaphthalene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Acenaphthylene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Acenaphthene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Fluorene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Phenanthrene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Anthracene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Fluoranthene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Pyrene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Benzo(a)Anthracene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Chrysene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Benzo(b)Fluoranthene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Benzo(k)Fluoranthene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Benzo(a)Pyrene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Indeno(1,2,3-c,d)Pyrene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Dibenz(a,h)Anthracene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23
Benzo(g,h,i)perylene (ug/L)		1.9 U	1.9 U	2 U	1.9 U	to 10 U	3.3	± 0.52	23

underlined/bold - values exceed a regulatory standard listed below.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Data Group: 183
Printed: 3/5/2020 14:25

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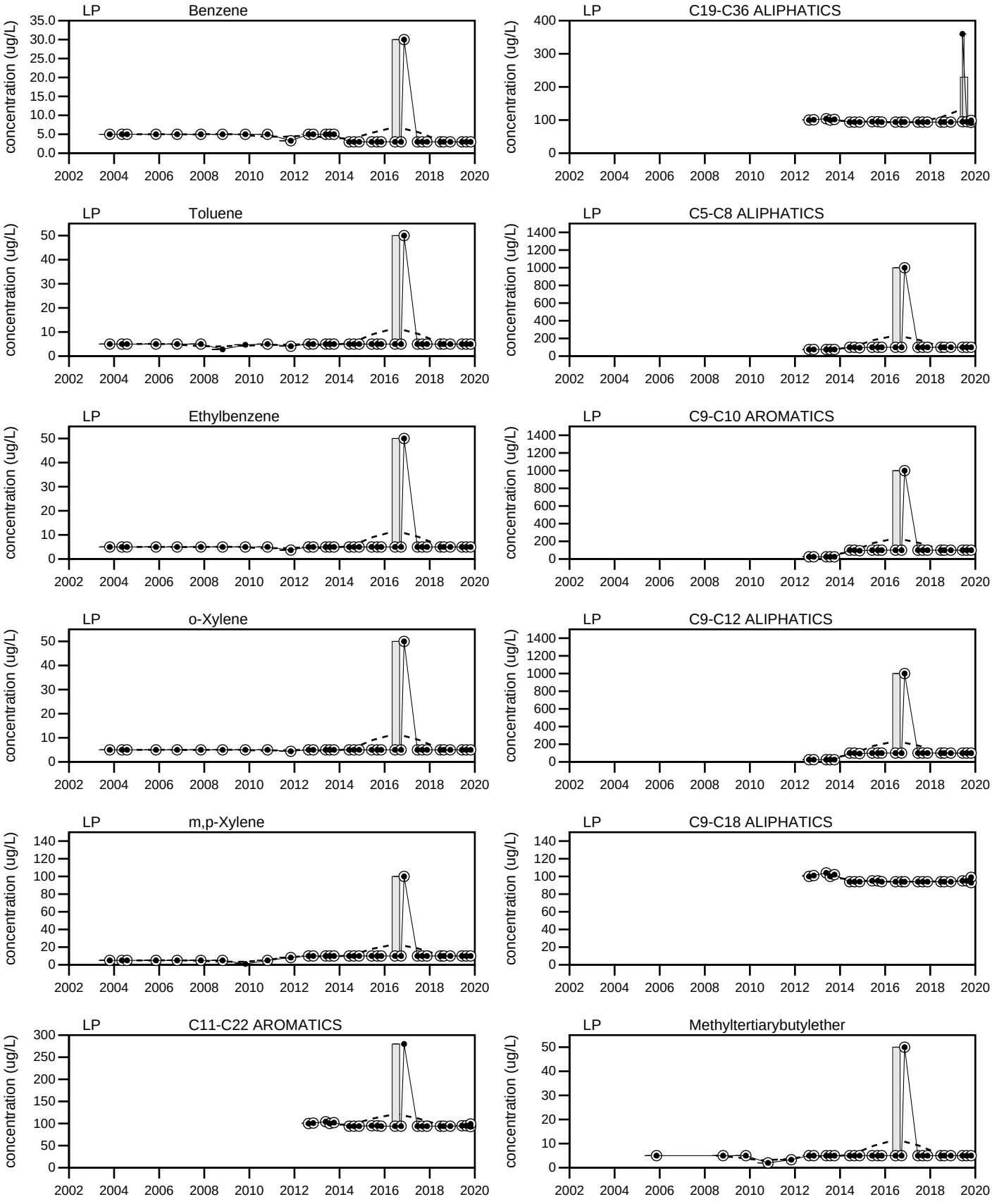
2019 EPH/VPH Stats

Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019



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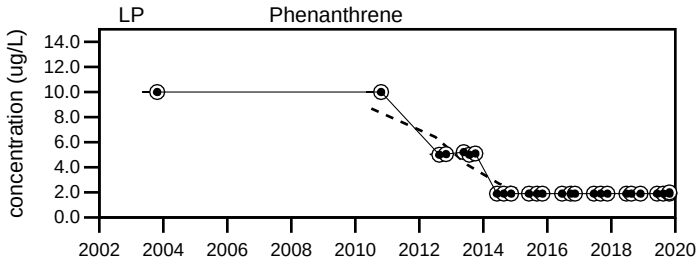

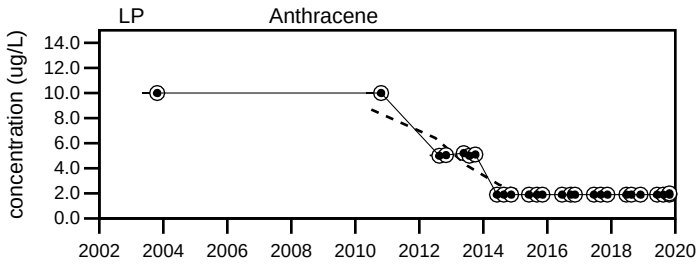

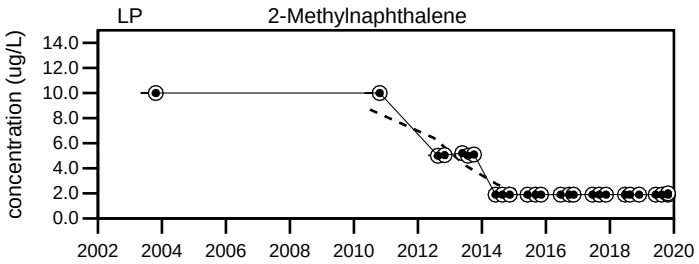

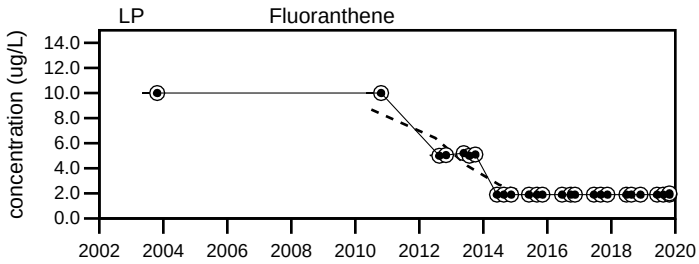

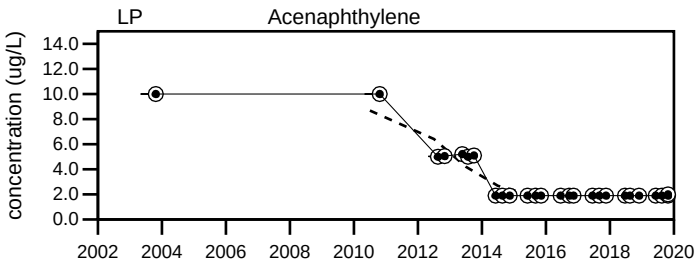

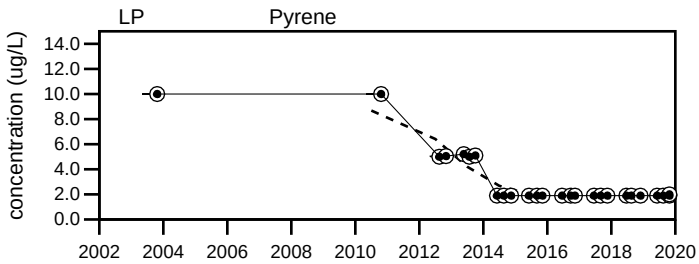

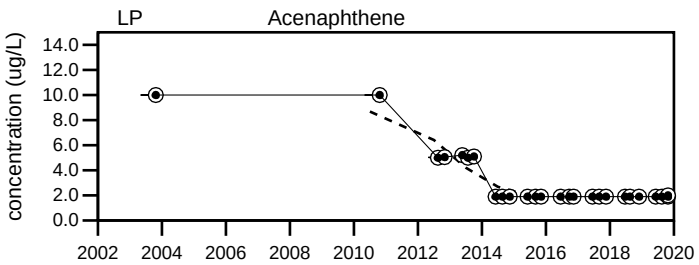

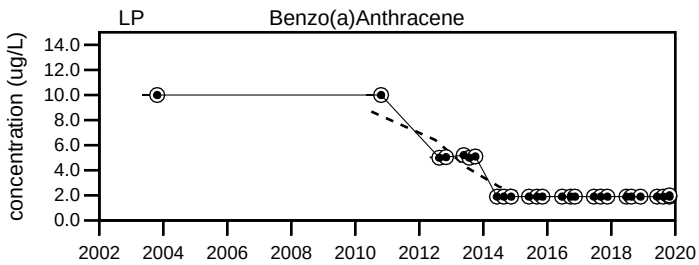

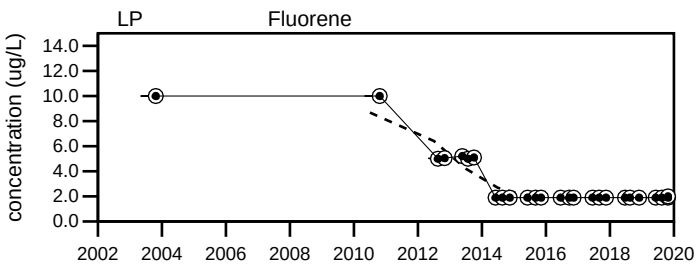

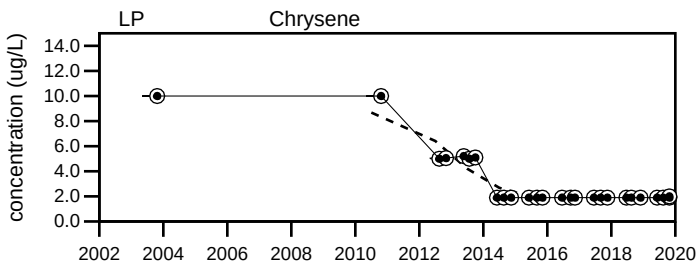

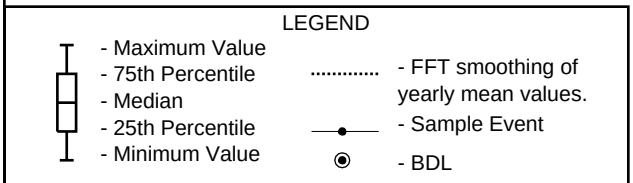

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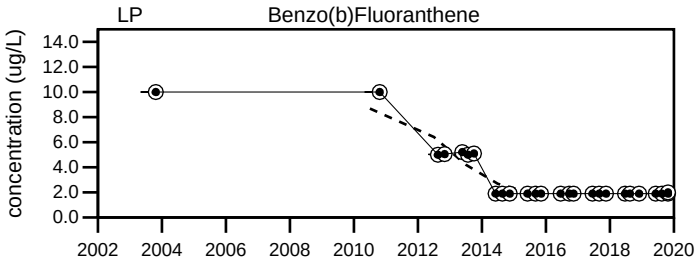
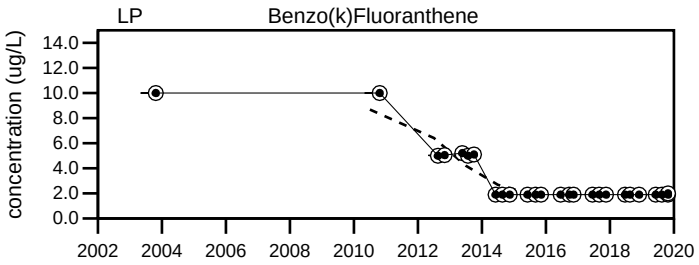
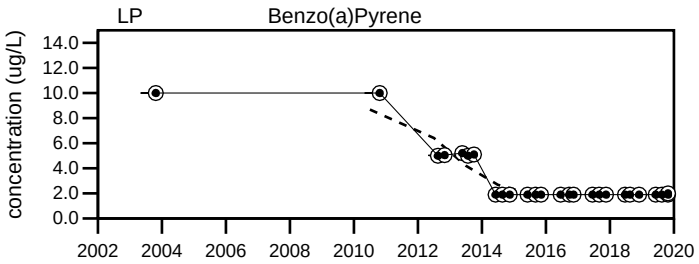
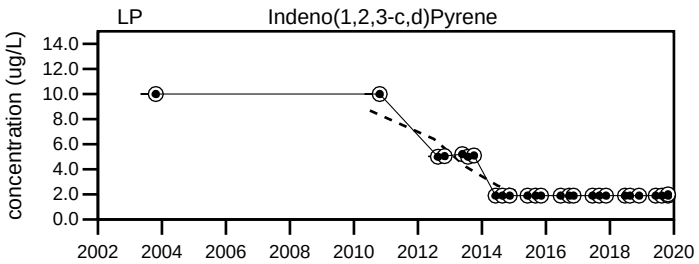
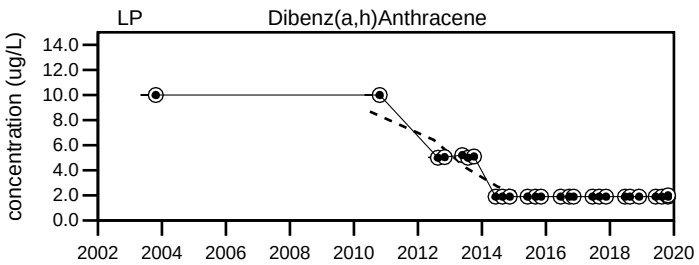
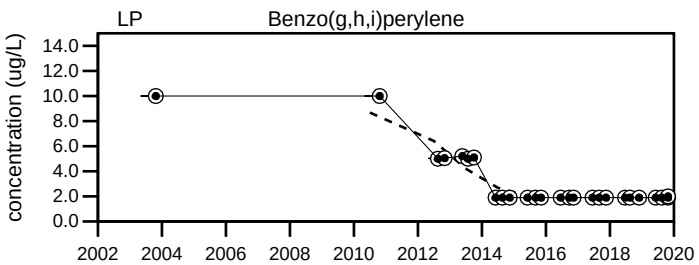


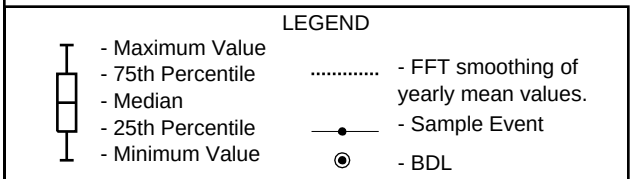












Dolby Landfill

LP

Sevee & Maher Engineers, Inc.

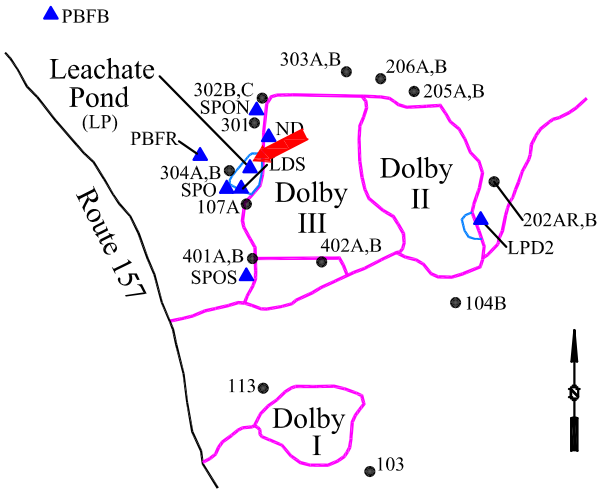
Well Description

Sample from the leachate pond to the west of landfill.

Sampled: **3 times annually**

Sampled Since: **Apr-86**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	Q2	Q3	Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		1182	1875	1549	630	4760	2700	120	56
pH (STU)		7.4	7.9	7.7	6.46	8.46	7.4	0.039	56
Temperature (Deg C)		23.4	25.2	11	1.7	26.8	14	0.64	56
Dissolved Oxygen (mg/L)		12.4	6.6	5.4	2.4	13.9	7	0.5	24
Arsenic (mg/L)		0.01	0.015	0.012	0.0036	0.068	0.021	0.002	54
Calcium (mg/L)		118	110	115	30	340	160	9.8	50
Iron (mg/L)		3.46	1.88	3.69	1.18	76.7	9.2	1.1	56
Magnesium (mg/L)		62	133	99.4	24	350	120	8.7	50
Manganese (mg/L)		4.63	1.7	2.68	0.728	20.95	6.5	0.66	56
Potassium (mg/L)		59.7	143	108	26	410	160	11	56
Sodium (mg/L)		20.9	54.6	40.9	9.39	140	67	3.7	55
Ammonia (N) (mg/L)		7.5	16	12	1.1	27	12	0.63	56
Nitrate (N) (mg/L)		0.18	0.05 U	0.68	0.05 U	15.5	1.8	0.4	56
Total Dissolved Solids (mg/L)		680	1200	950	270	3903	1400	91	56
Total Suspended Solids (mg/L)		17	4 U	6.8	4 U	133	52	4.7	56
Sulfate (mg/L)		23	1 U	35	1 U	320	84	15	56
Ca-mg Hardness (CaCO3) (mg/L)		551	824	696	259	2300	1300	90	56
Bicarbonate (CaCO3) (mg/L)		630	1100	850	260	2550	1100	60	56
Alkalinity (CaCO3) (mg/L)		630	1100	850	260	2700	1100	64	56
Organic Carbon (mg/L)		19	45	30	9.9	383.4	330	79	56
Chloride (mg/L)		20	51	39	11	248	130	9.5	56
Turbidity (field) (NTU)		12.6	6.7	2.6	0.8	74.3	21	4.5	24

underlined/bold - values exceed a regulatory standard listed below.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 180

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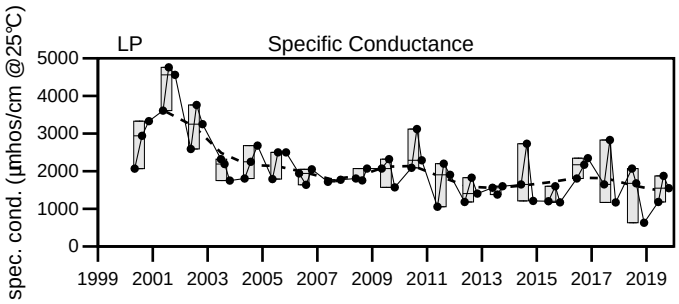
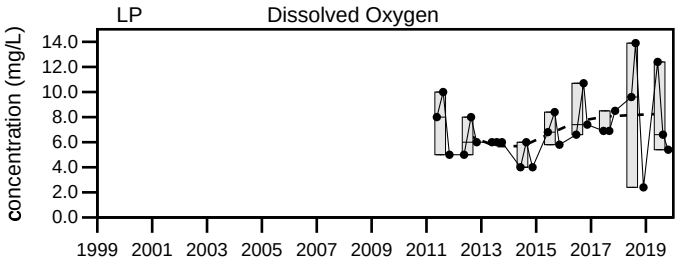
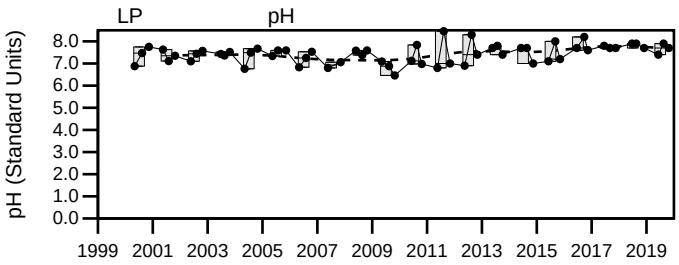
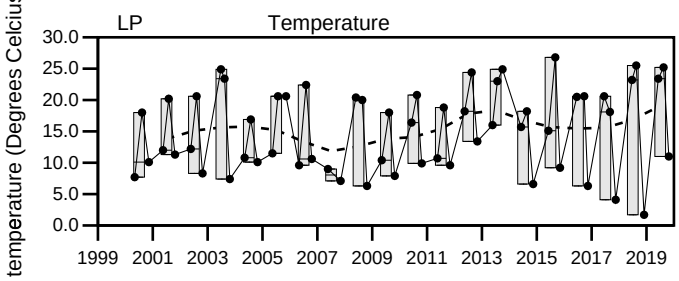
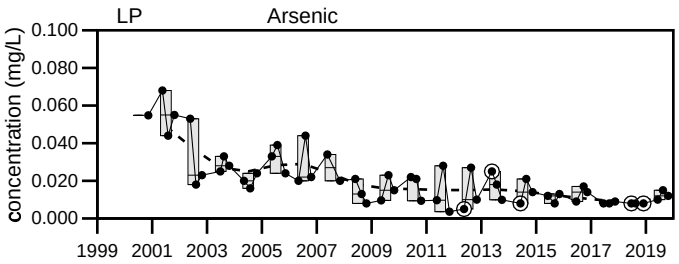




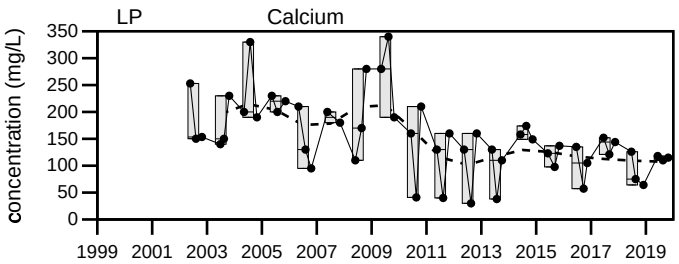


No data for Well Depth at LP





No data for Water Level Depth at LP



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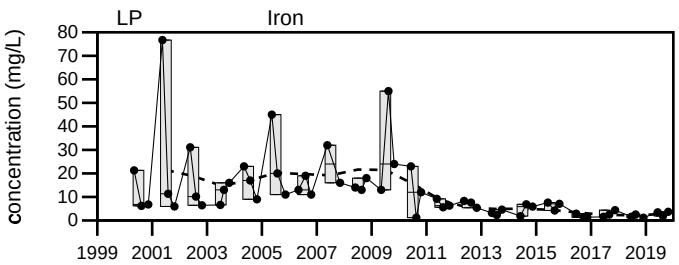

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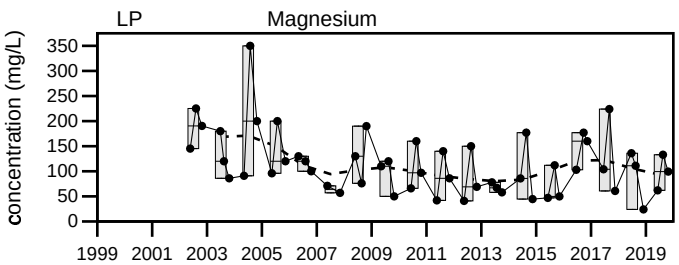


LEGEND

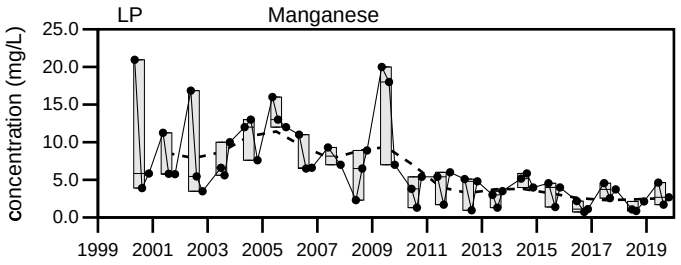
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

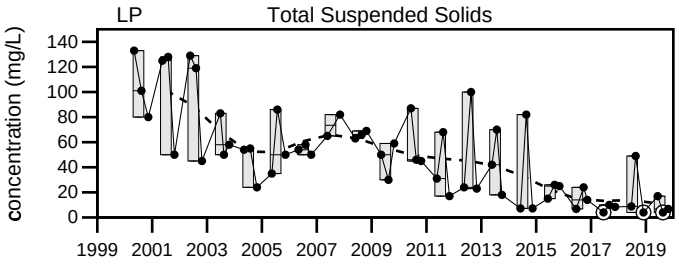
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

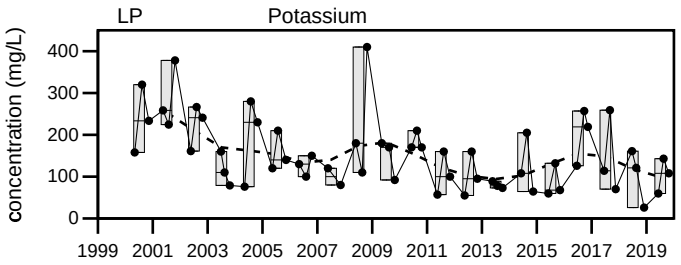
Dolby Landfill

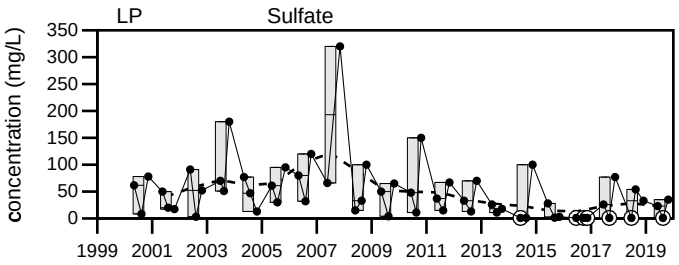
LP

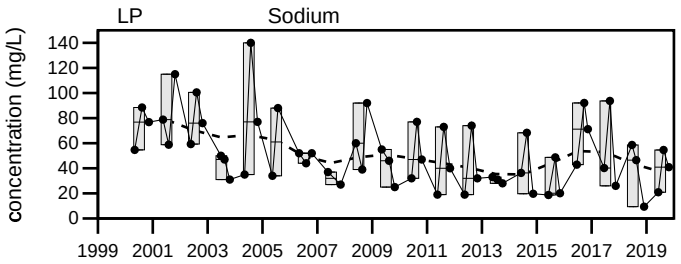
Sevee & Maher Engineers, Inc.

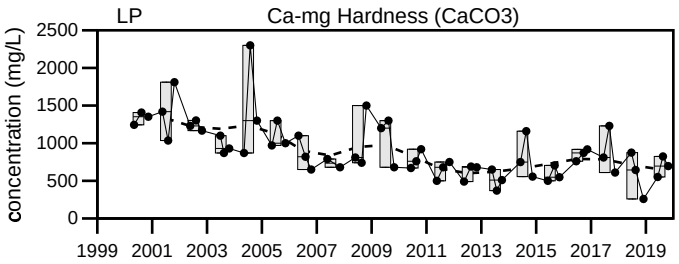


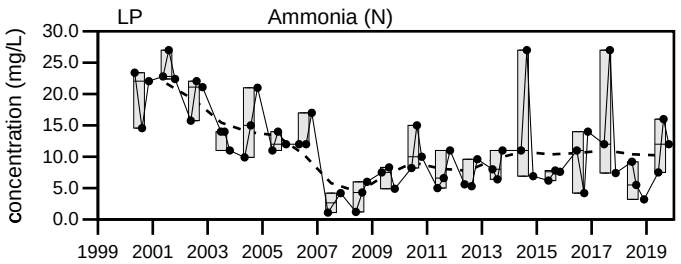


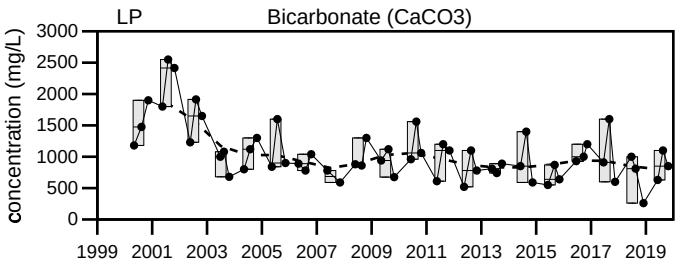


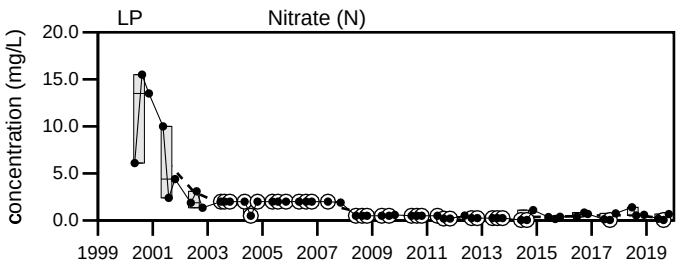


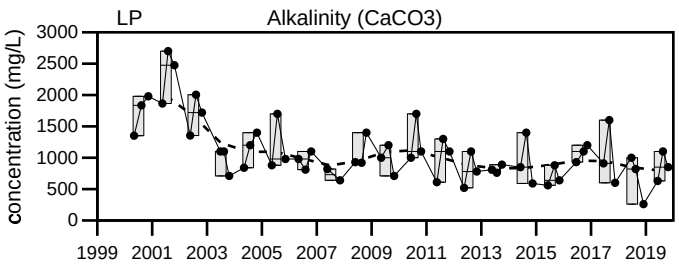


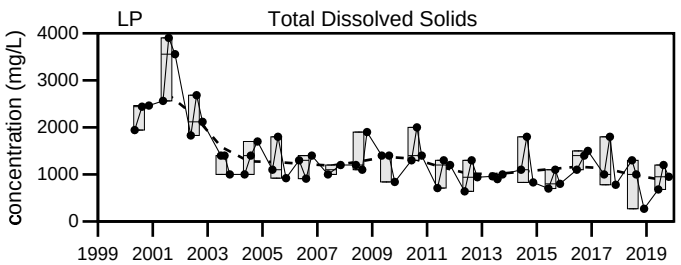


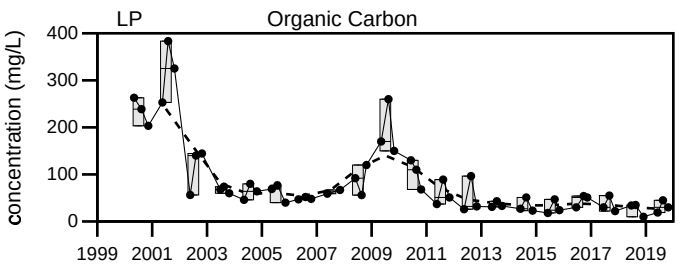


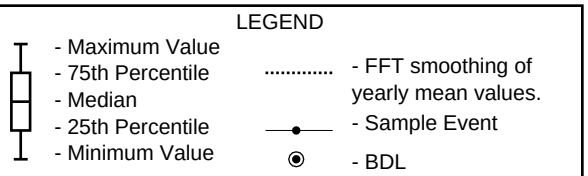








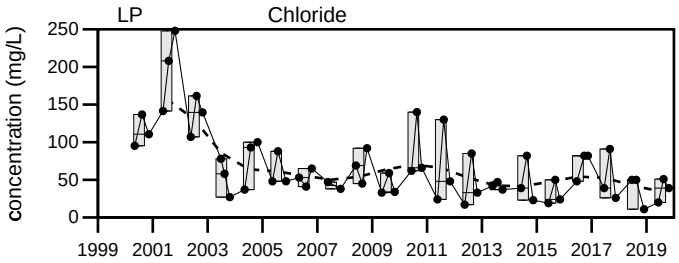


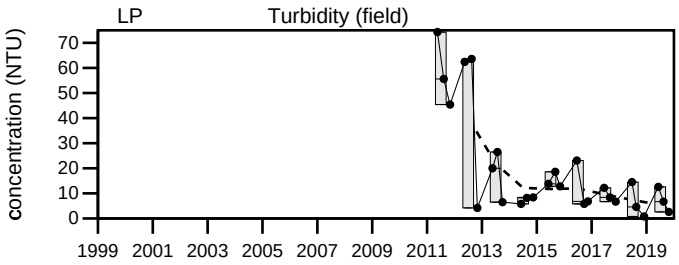


Dolby Landfill

LP

Sevee & Maher Engineers, Inc.





LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

..... - FFT smoothing of yearly mean values.

—●— - Sample Event

◉ - BDL

Dolby Landfill

LP

Sevee & Maher Engineers, Inc.

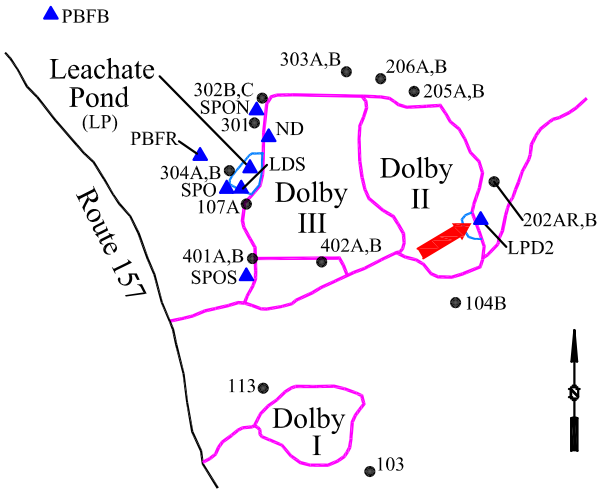
Well Description

Leachate Pond East of Dolby II

Sampled: **3 times annually**

Sampled Since: **May-05**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	Q2	Q3	Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		123	451	231	94	729	320	26	40
pH (STU)		7.8	7.5	7.6	6.3	8.29	7.2	0.075	40
Dissolved Oxygen (mg/L)		8.5	↓0.5	2.3	1	12.3	5.3	0.41	39
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0025	0.024	0.0072	0.000	40
Calcium (mg/L)		14.8	39.9	23.6	12	130	33	3	40
Iron (mg/L)		1.28	3.18	3.62	0.4	15.2	3.4	0.55	40
Magnesium (mg/L)		3.32	27.6	7.44	2.8	61	17	2.5	40
Manganese (mg/L)		0.0706	1.04	1.02	0.023	5.1	0.94	0.19	40
Potassium (mg/L)		↓1.15	4.96	2.82	1.4	52	5	1.3	40
Sodium (mg/L)		1 U	4.68	1.57	1 U	36	3.8	0.92	40
Ammonia (N) (mg/L)		0.1 U	4.5	1	0.1 U	6.3	2	0.28	40
Nitrate (N) (mg/L)		0.05 U	0.05 U	2.7	0.05 U	5.3	0.91	0.16	40
Total Phosphorus Mixed Forms (PO4 and		0.1 U	0.1 U	0.1 U	0.02 U	2.4	0.13	0.062	38
Total Dissolved Solids (mg/L)		76	250	130	26	810	190	21	40
Total Suspended Solids (mg/L)		4 U	7.2	8	0.6 U	34	9.8	1.4	40
Sulfate (mg/L)		2.9	11	23	1 U	43	12	1.9	40
Ca-mg Hardness (CaCO3) (mg/L)		50.5	213	89.7	44	550	150	17	40
Bicarbonate (CaCO3) (mg/L)		45	220	58	44	710	150	19	40
Alkalinity (CaCO3) (mg/L)		45	220	58	44	710	160	20	40
Organic Carbon (mg/L)		5.2	15	12	4	40	12	1.4	40
Chloride (mg/L)		2 U	4.4	3.6	0.58	41	3.7	1	40

underlined/bold - values exceed a regulatory standard listed below.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 181

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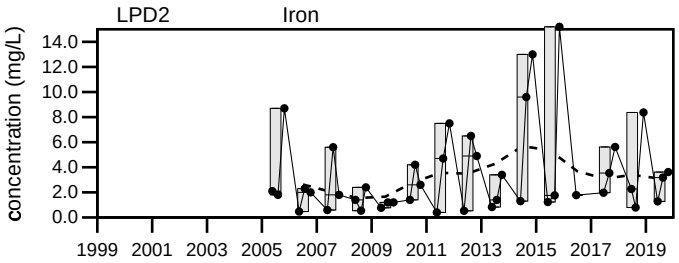
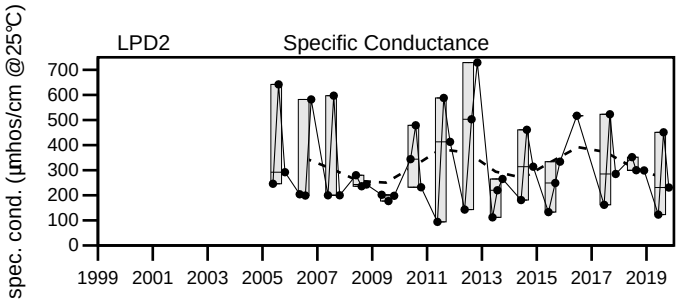
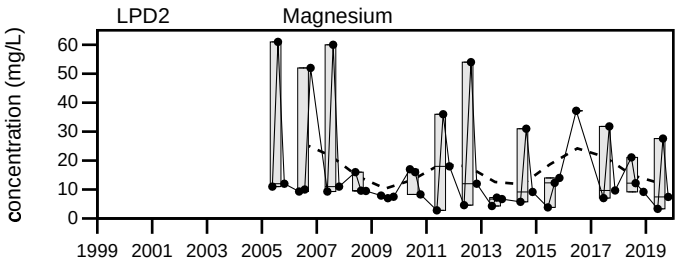
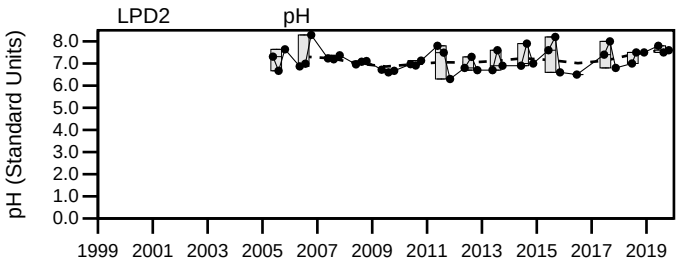
SME SEVEE & MAHER ENGINEERS

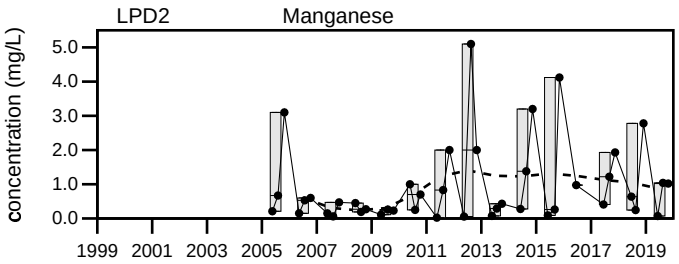
No data for Copper at LPD2

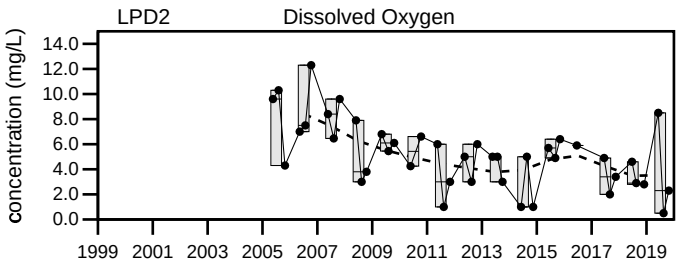


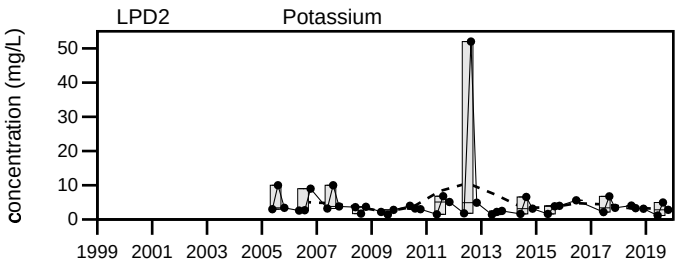


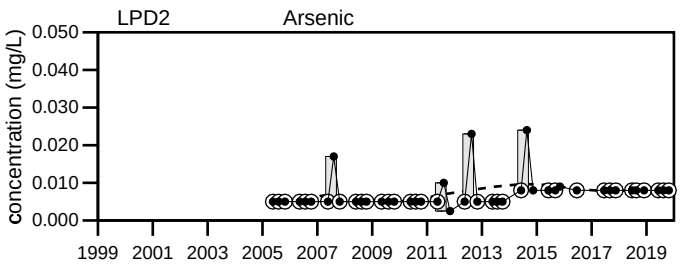


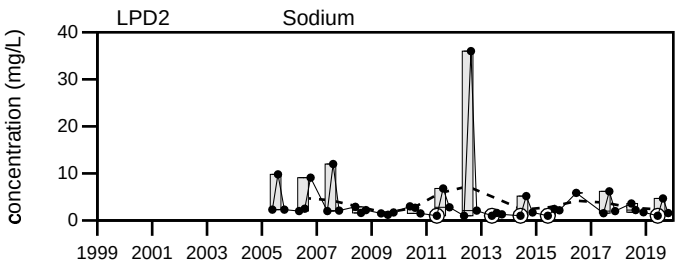


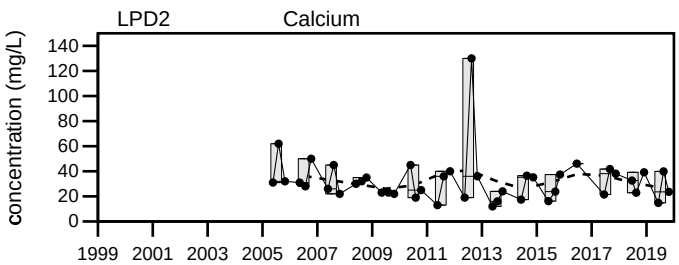


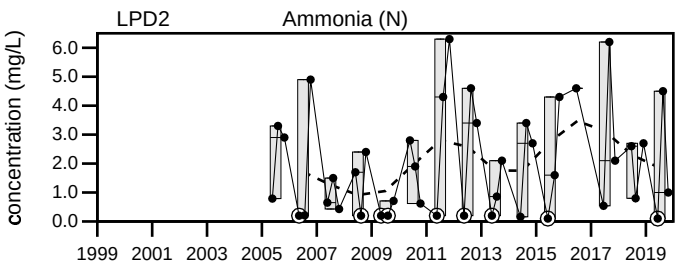


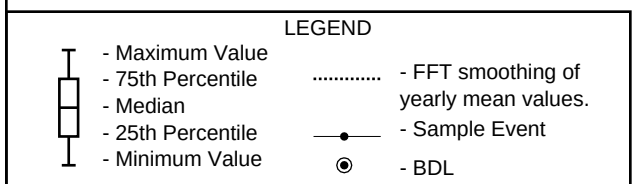








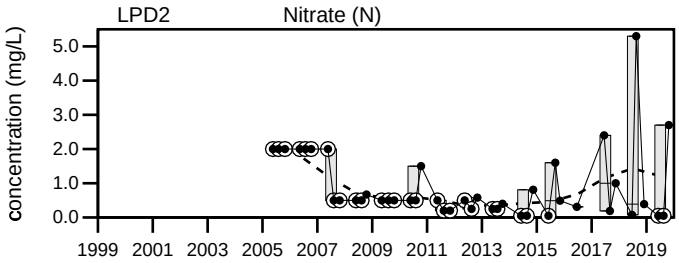


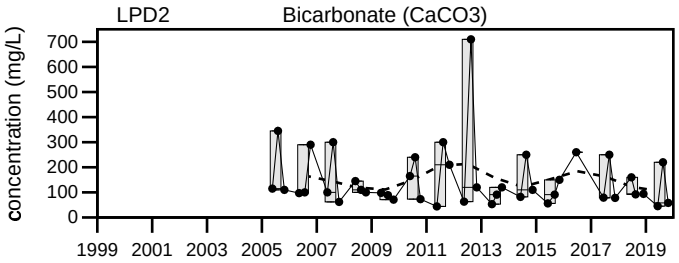


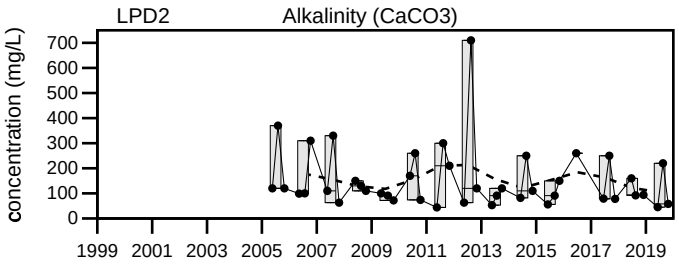
Dolby Landfill

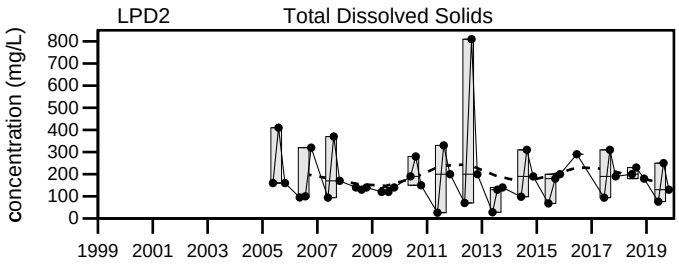
LPD2

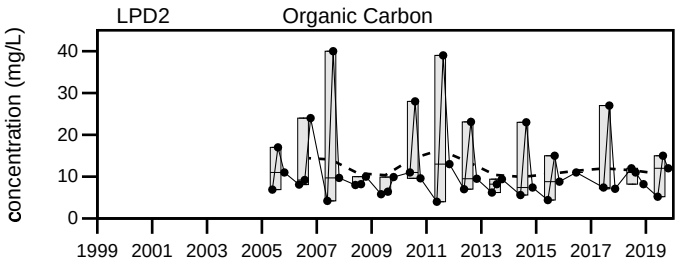
Sevee & Maher Engineers, Inc.

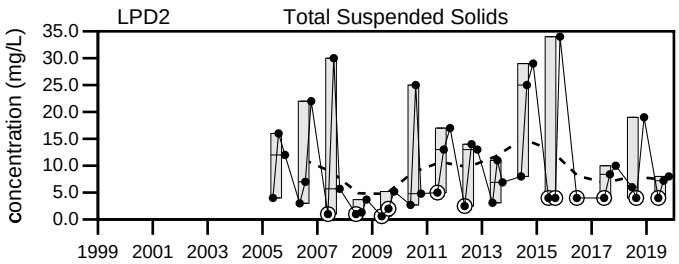


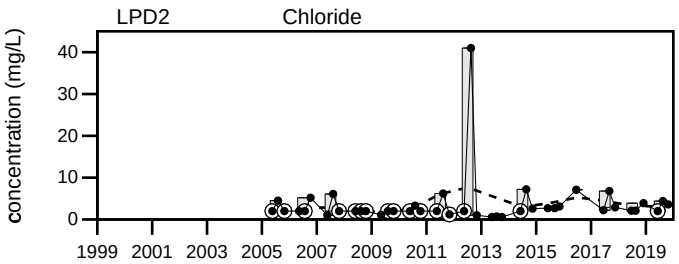


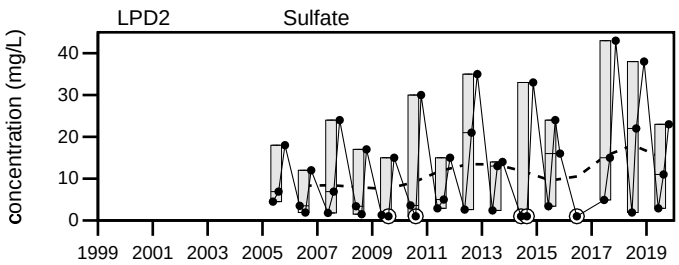


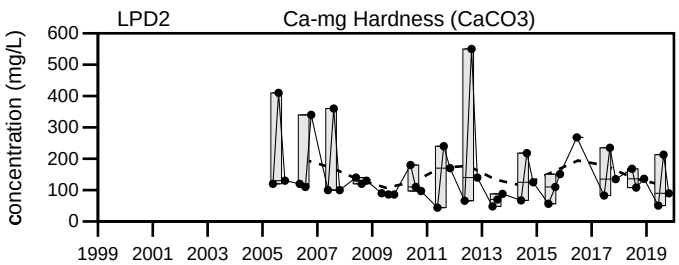


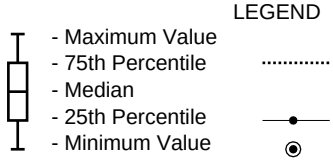












Dolby Landfill

LPD2

Sevee & Maher Engineers, Inc.

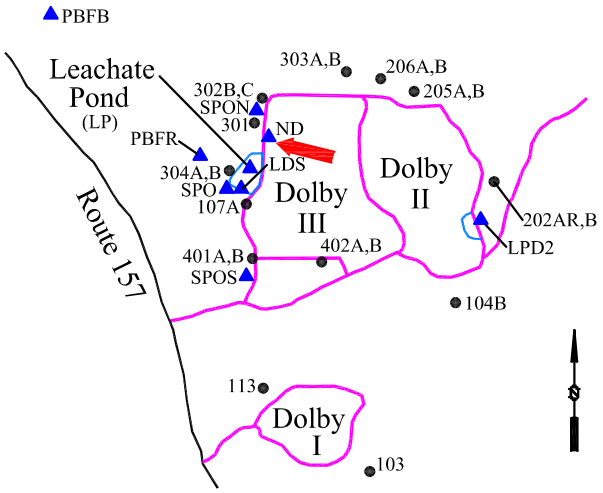
Well Description

Surface water sample from the ditch to the northwest of Dolby III.

Sampled: **3 Times Annually**

Sampled Since: **Jul-04**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	Q2	Q3	Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		D	D	I	138.5	264	210	21	5
pH (STU)		D	D	I	6.86	8.58	7.7	0.22	5
Dissolved Oxygen (mg/L)		D	D	I	6	14.5	9.6	1.7	5
Arsenic (mg/L)		D	D	I	0.005 U	0.005 U	0.005	3E-11	5
Calcium (mg/L)		D	D	I	26	59	39	7	5
Iron (mg/L)		D	D	I	0.053	3.5	0.67	0.48	5
Magnesium (mg/L)		D	D	I	2.6	4.9	3.3	0.43	5
Manganese (mg/L)		D	D	I	0.021	0.53	0.18	0.098	5
Potassium (mg/L)		D	D	I	2.6	7.1	4.8	0.81	5
Sodium (mg/L)		D	D	I	1	2.4	2.7	0.86	5
Ammonia (N) (mg/L)		D	D	I	0.2 U	0.21	0.17	0.019	5
Nitrate (N) (mg/L)		D	D	I	0.5 U	2 U	1.1	0.37	5
Total Phosphorus Mixed Forms (PO4 and		D	D		0.02 U	0.16	0.066	0.023	5
Total Dissolved Solids (mg/L)		D	D	I	73	200	180	63	5
Total Suspended Solids (mg/L)		D	D	I	1.5	160	38	31	5
Sulfate (mg/L)		D	D	I	4.2	21	12	2.7	5
Ca-mg Hardness (CaCO3) (mg/L)		D	D	I	77	160	110	13	5
Bicarbonate (CaCO3) (mg/L)		D	D	I	53	120	86	13	5
Alkalinity (CaCO3) (mg/L)		D	D	I	56	120	88	13	5
Organic Carbon (mg/L)		D	D	I	5	21	13	2	5
Chloride (mg/L)		D	D	I	2 U	2 U	5	2	5

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 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.

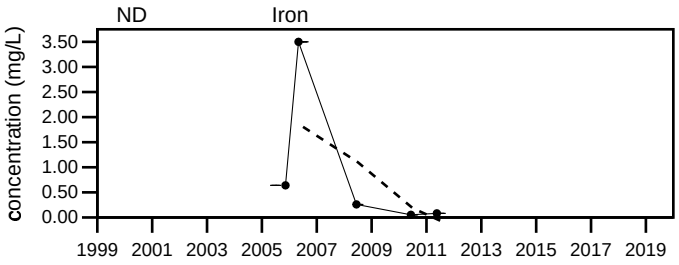
Comments

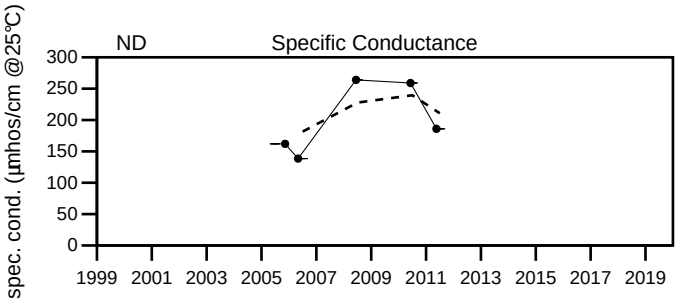
Q2= 6 - 2019
Q3= 8 - 2019
Q4= 10 - 2019

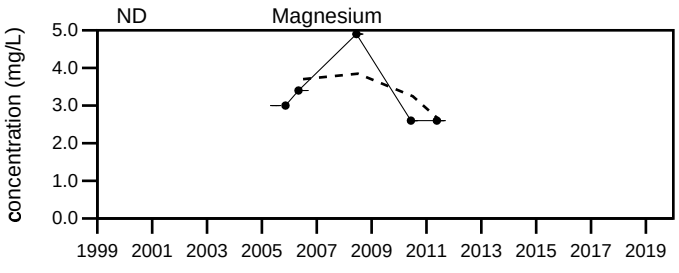
I = The sampling location yielded insufficient quantity to coll
D = The sampling location was dry.

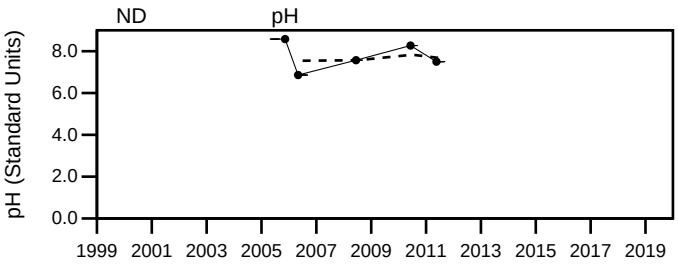
Data Group: 181
Printed: 3/5/2020 14:33

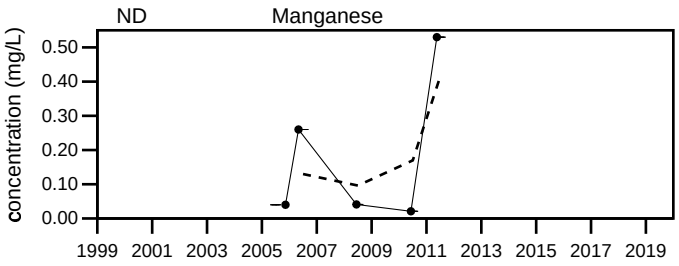
No data for Copper at ND

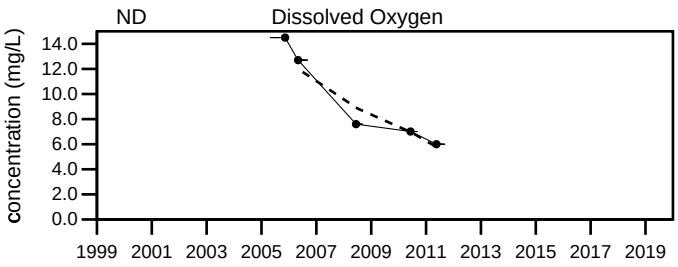


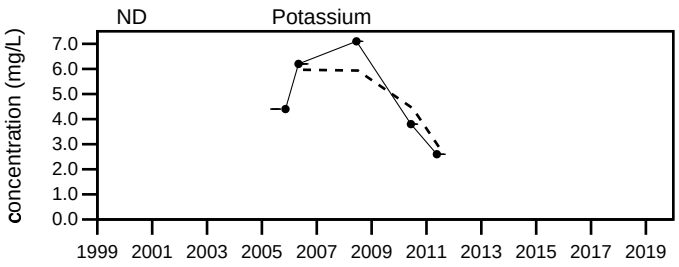


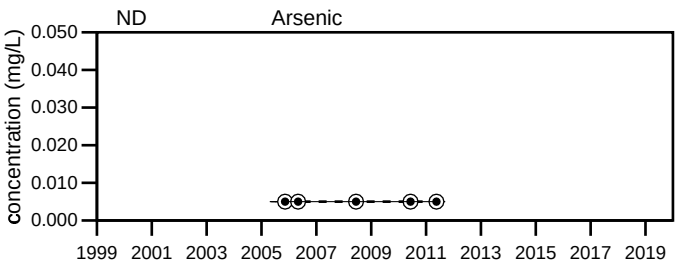


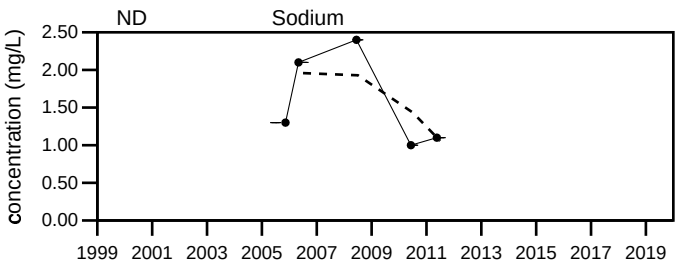


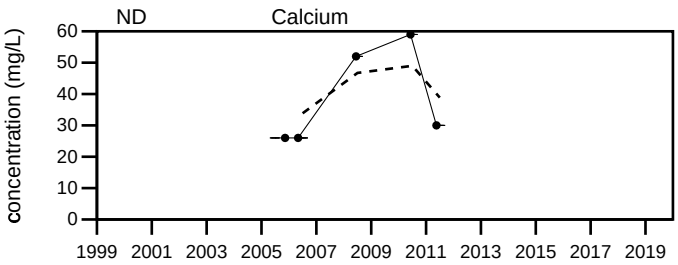


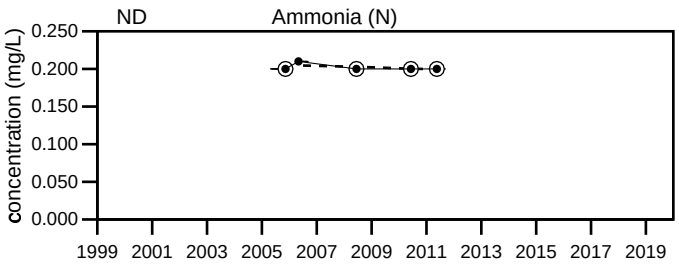












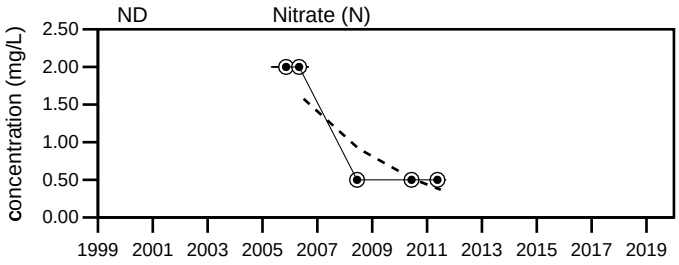
LEGEND

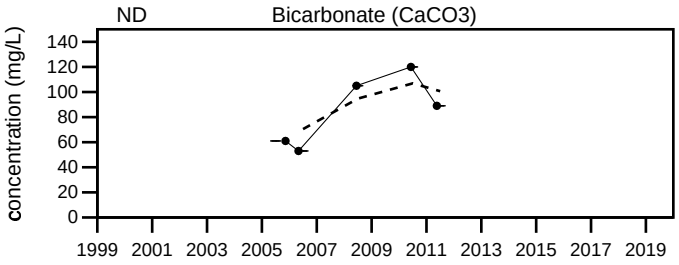
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

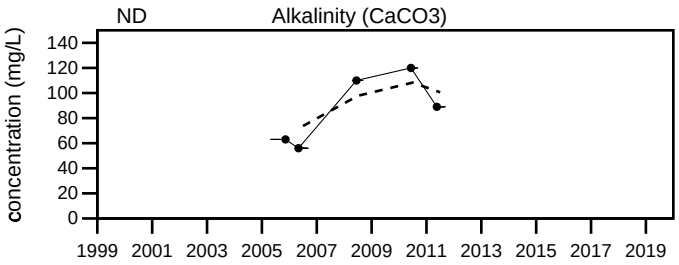
Dolby Landfill

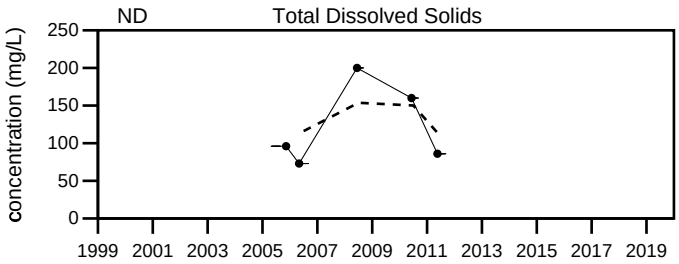
ND

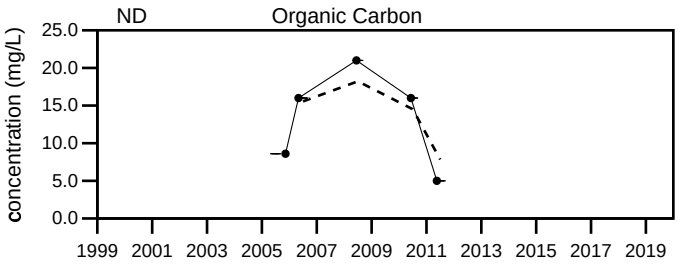
Sevee & Maher Engineers, Inc.

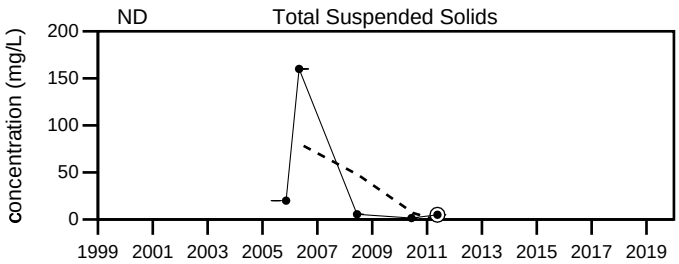


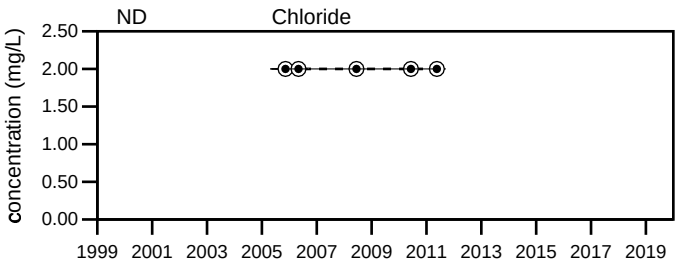


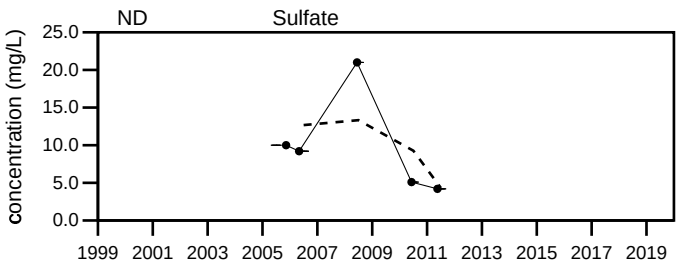


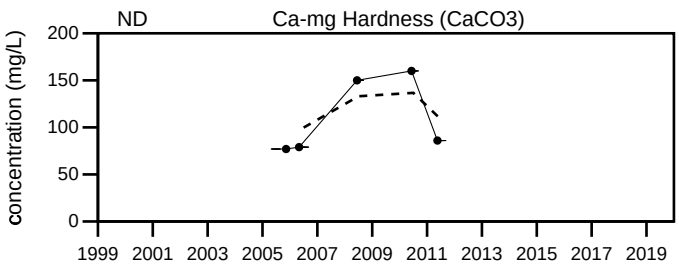


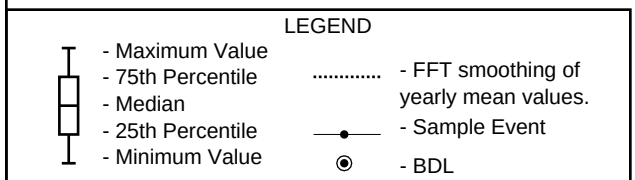












Dolby Landfill

ND

Sevee & Maher Engineers, Inc.

Well Description

Sample from the Partridge Bridge Flowage downgradient of Dolby II and III Landfills. Monitoring of this location discontinued in 2011.

Sampled: **3 times annually**

Sampled Since: **Sep-83**

Sampling Method: **Grab**

Chemical Summary

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

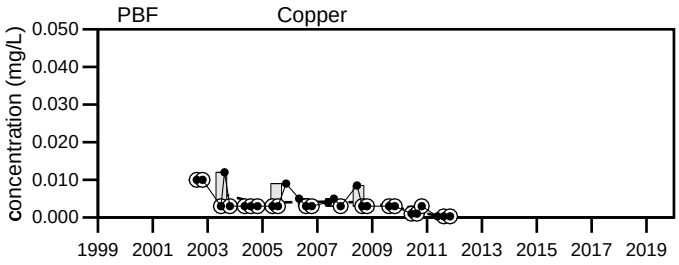
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

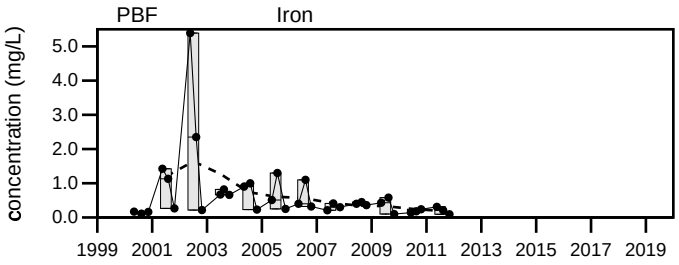
Comments

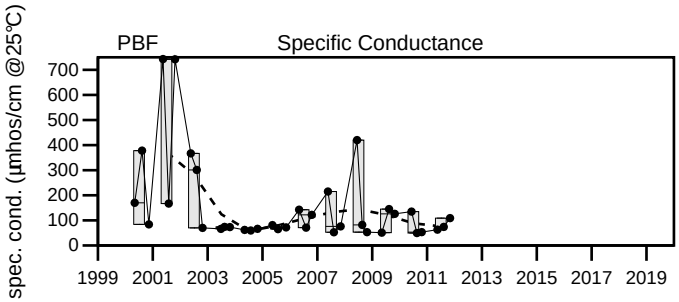
Q2= 6 - 2019

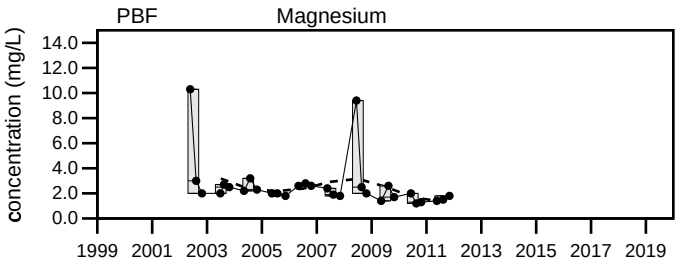
Q3= 8 - 2019

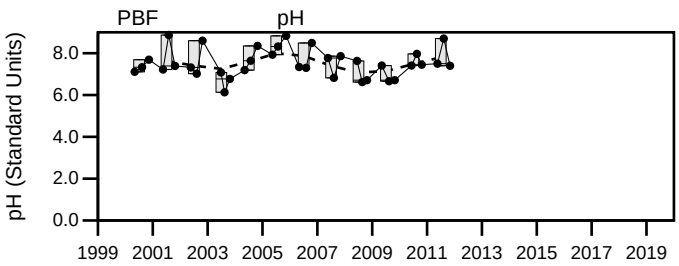
Q4= 10 - 2019

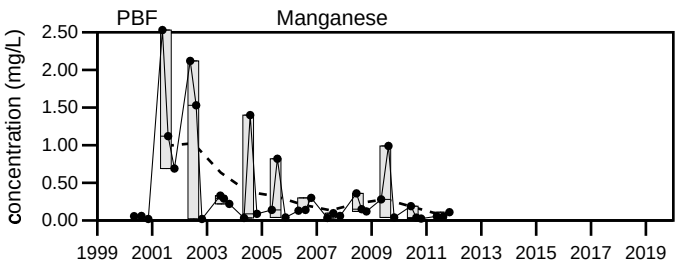


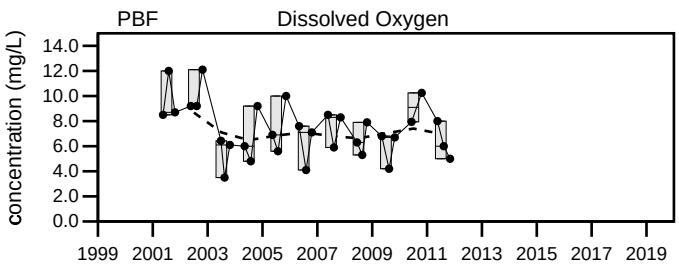


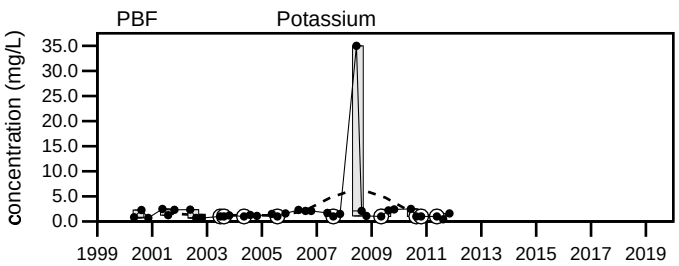


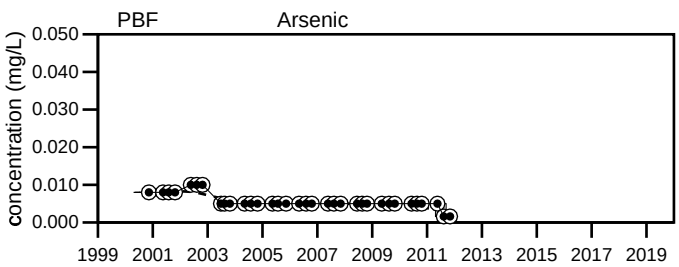


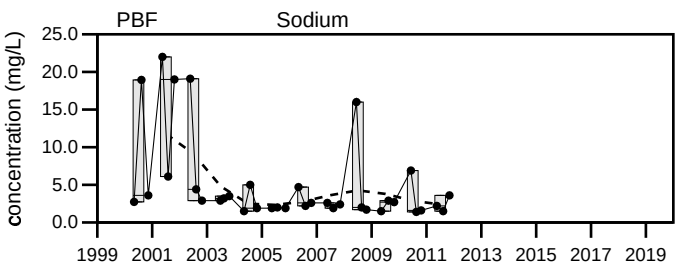


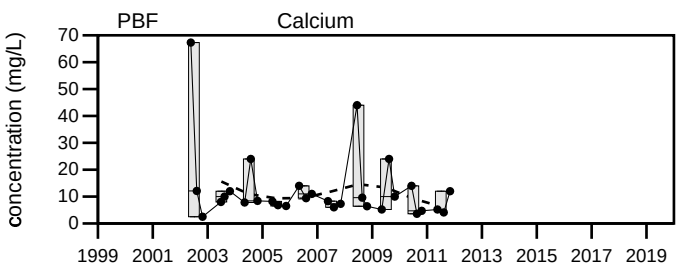


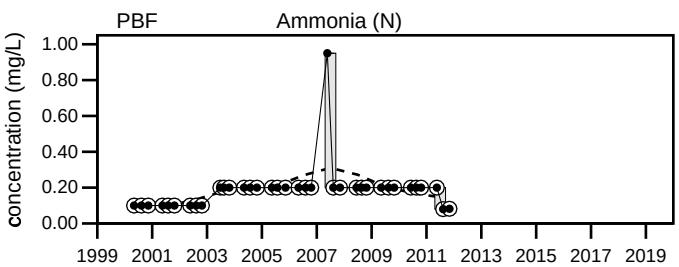


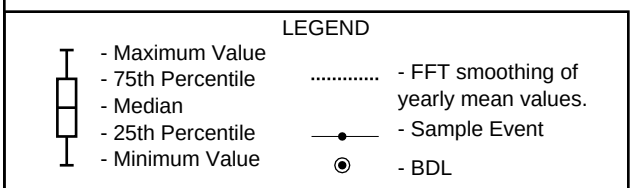








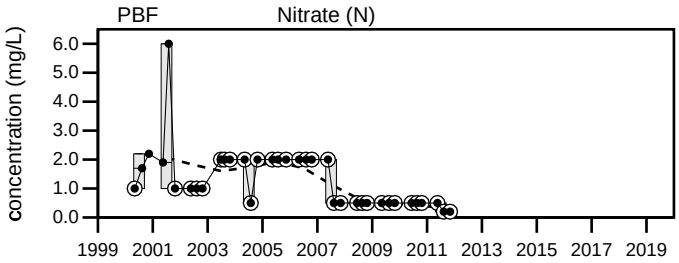


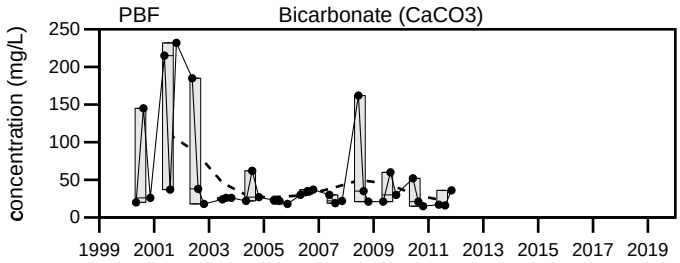


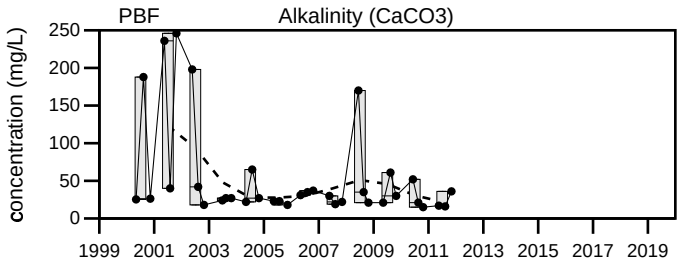
Dolby Landfill

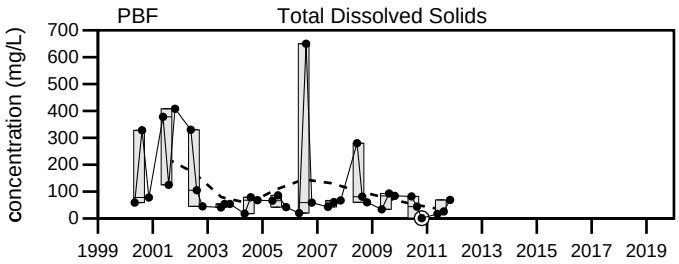
PBF

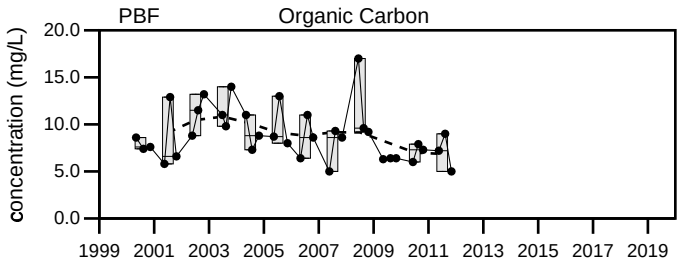
Sevee & Maher Engineers, Inc.

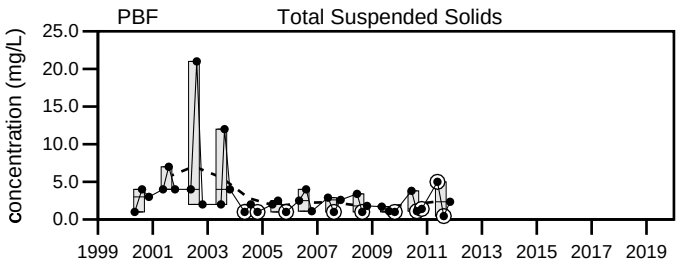


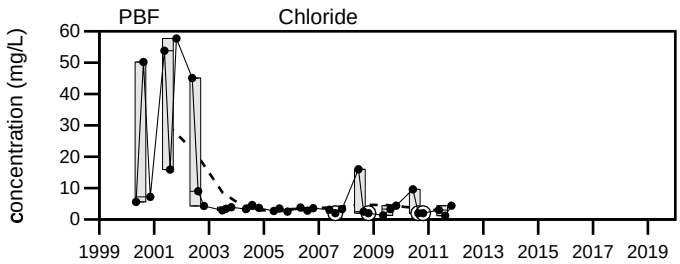


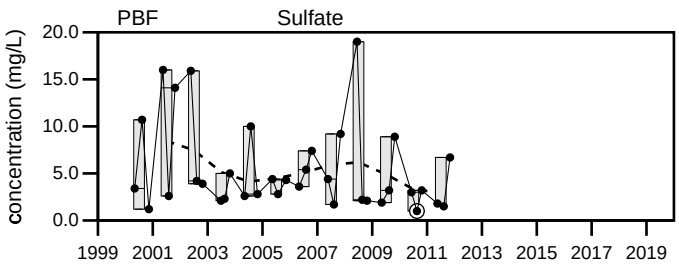


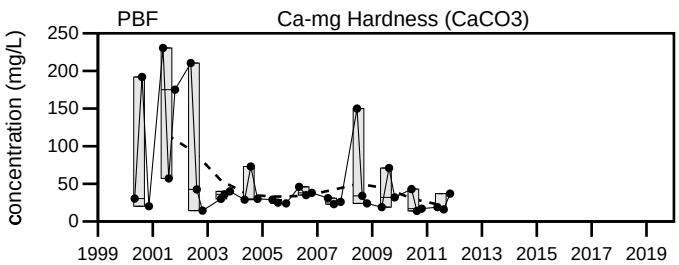


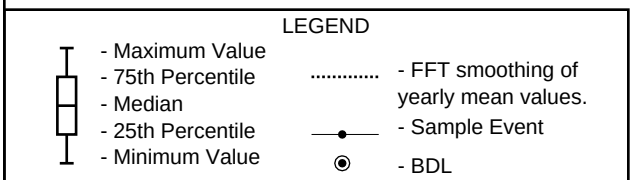












Dolby Landfill

PBF

Sevee & Maher Engineers, Inc.

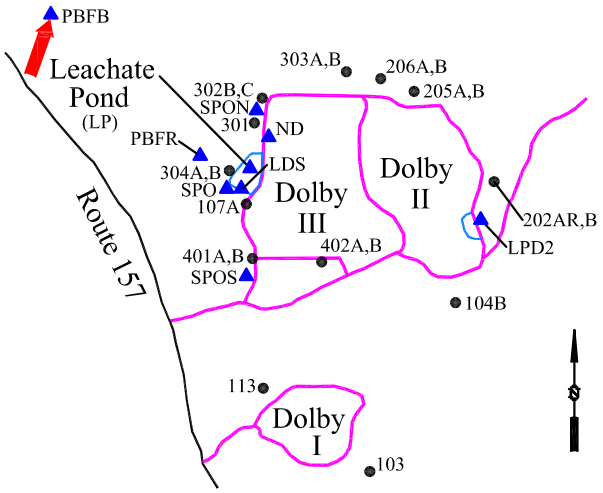
Well Description

Backgound surface water sample from Partridge Brook Flowage.

Sampled: **3 times annually**

Sampled Since: **May-00**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		43	48	M7	27	322	57	5.3	57
pH (STU)		7.9	7.9	7.7	5.8	9.02	7.4	0.093	57
Dissolved Oxygen (mg/L)		7.5	9.1	7.6	2.3	11.4	6.1	0.28	53
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.01 U	0.0062	0.000	55
Calcium (mg/L)		4.89	4.38	5.78	2.5	8.1	4.9	0.18	51
Iron (mg/L)		0.511	0.226	0.952	0.16	4	0.81	0.1	57
Magnesium (mg/L)		1.48	1.58	1.41	1 U	2.09	1.4	0.05	51
Manganese (mg/L)		0.0595	0.0267	0.153	0.016	1.58	0.25	0.045	57
Potassium (mg/L)		1 U	1 U	1 U	0.146	1.4	0.89	0.039	57
Sodium (mg/L)		1.65	1.48	1.73	1 U	2.2	1.5	0.043	57
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	0.98	0.17	0.016	57
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.06	0.05 U	2 U	0.77	0.097	57
Total Phosphorus Mixed Forms (PO4 and		0.1 U	0.1 U	0.1 U	0.003	0.22	0.065	0.006	56
Total Dissolved Solids (mg/L)		48	51	44	8	114	50	2.8	57
Total Suspended Solids (mg/L)		4 U	4 U	7.2	1 U	140	8.5	2.6	57
Sulfate (mg/L)		1 U	1 U	1 U	0.67	28	3.3	0.59	57
Ca-mg Hardness (CaCO3) (mg/L)		18.3	17.4	20.2	10 U	30.1	17	0.69	57
Bicarbonate (CaCO3) (mg/L)		14	18	12	1 U	190	17	3.2	57
Alkalinity (CaCO3) (mg/L)		14	18	12	1 U	200	17	3.4	57
Organic Carbon (mg/L)		11	9.1	16	6.3	38	12	0.73	57
Chloride (mg/L)		2 U	3.2	3.5	0.86	4.1	2.3	0.1	57

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 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

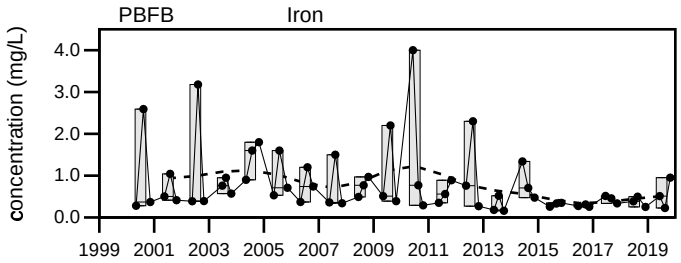
Q2= 6 - 2019
Q3= 8 - 2019
Q4= 10 - 2019

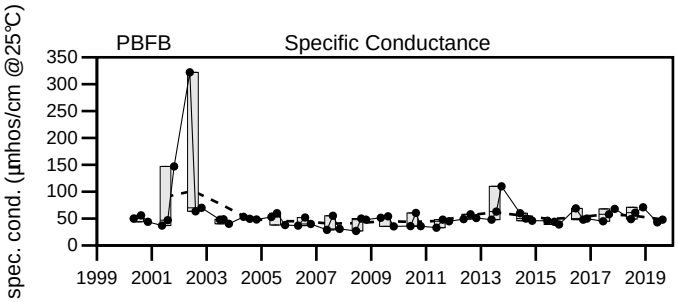
U = Not Detected above the laboratory reporting limit.
M7= No reading taken at this location.

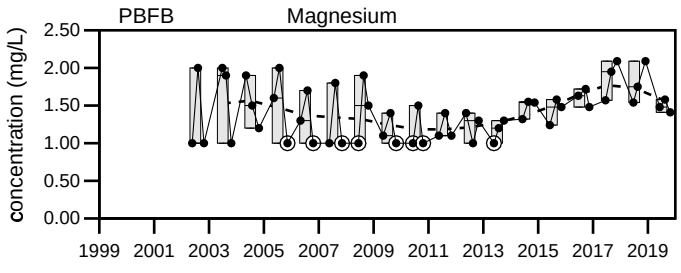
Data Group: 181
Printed: 3/5/2020 14:33

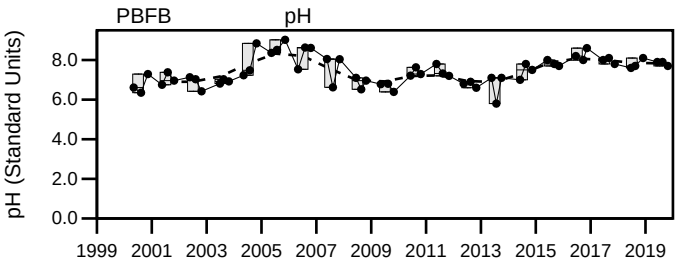
SME SEVEE & MAHER ENGINEERS

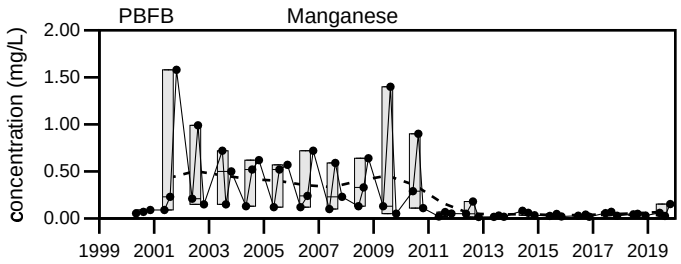
No data for Copper at PBFB

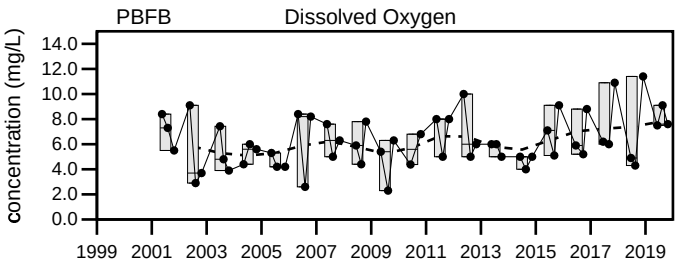


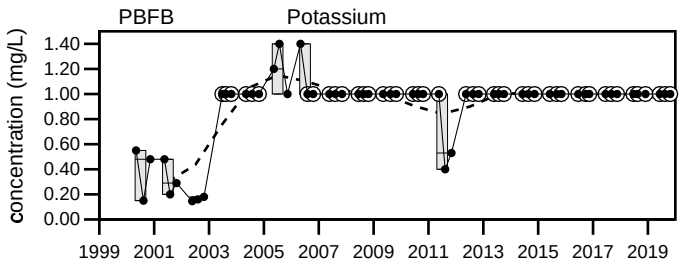


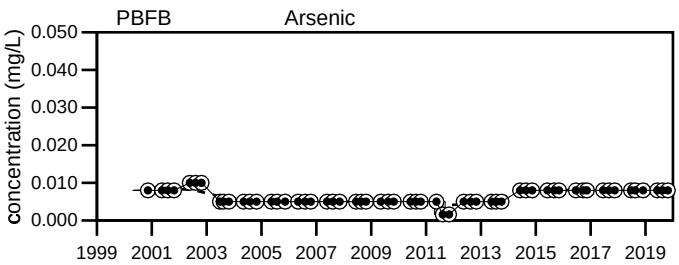


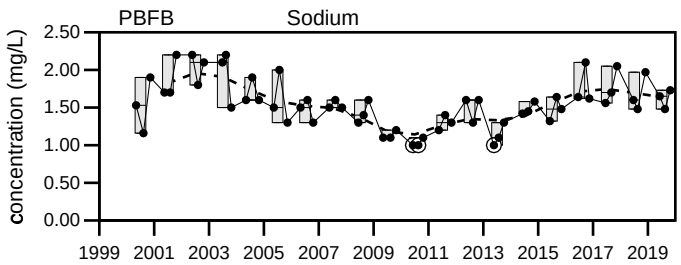


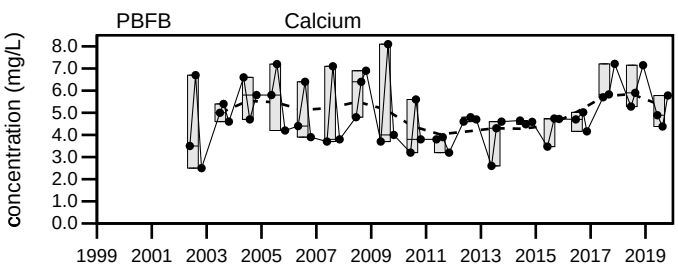


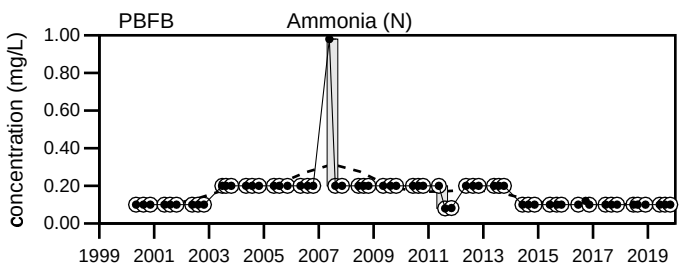












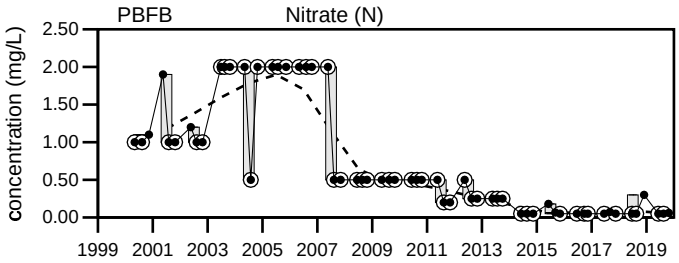
LEGEND

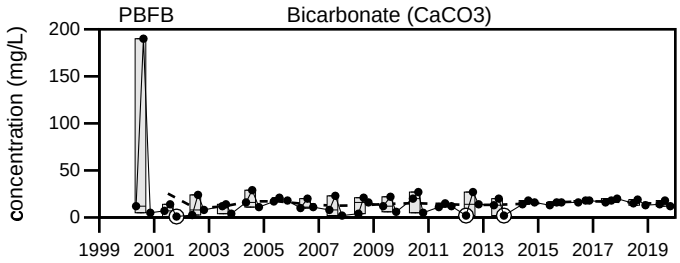
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

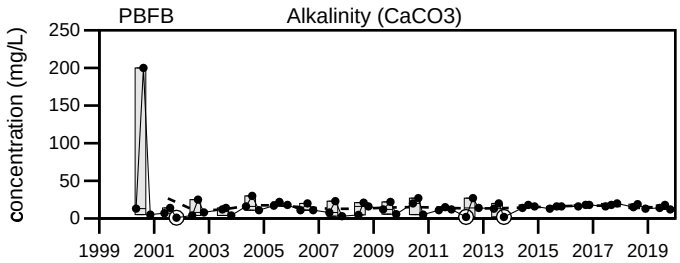
Dolby Landfill

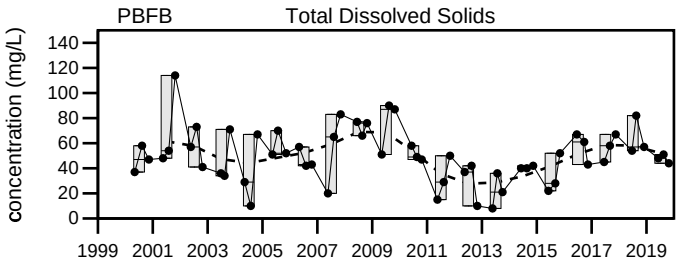
PBFB

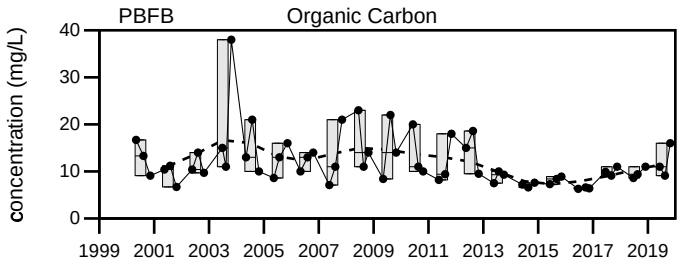
Sevee & Maher Engineers, Inc.

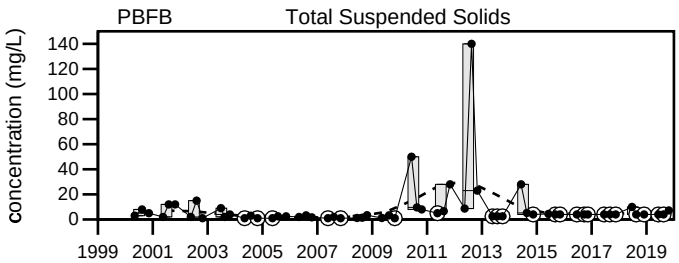


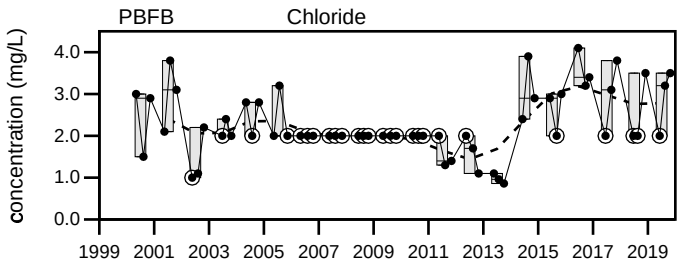


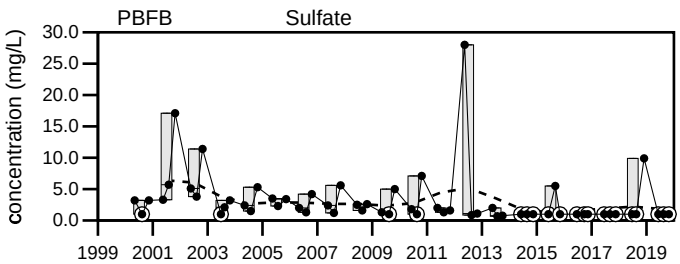


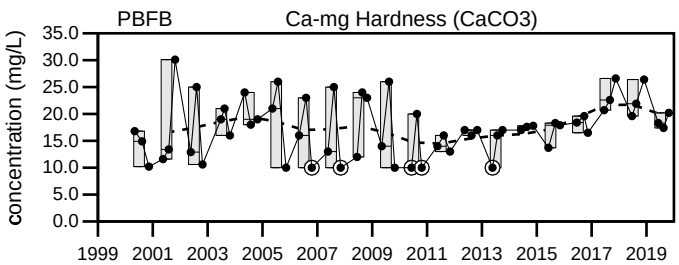


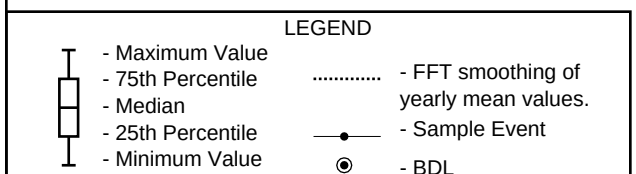












Dolby Landfill

PBFB

Sevee & Maher Engineers, Inc.

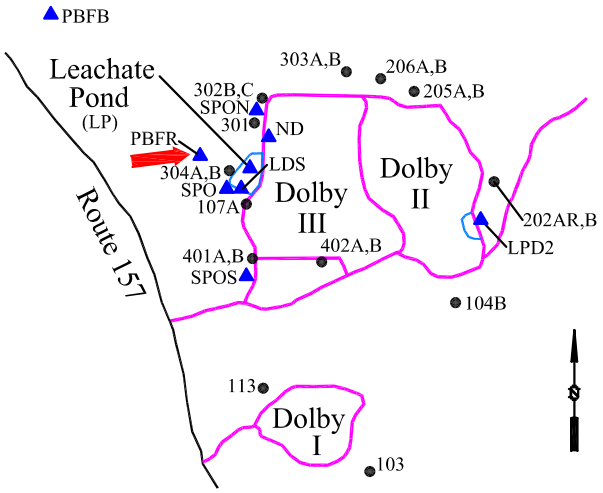
Well Description

Sample from the Partridge Bridge Flowage downgradient of the level spreader and the Dolby II and III Landfills.

Sampled: **3 Times Annually**

Sampled Since: **May 2012**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Copper (mg/L)		0.025 U	0.025 U	0.025 U	0.003 U	to 0.025 U	0.019	± 0.002	21
Specific Conductance (µmhos/cm @25°C)		156	61		45	to 332	89	± 13	21
pH (STU)		7.3	8		6.3	to 8.6	7.5	± 0.14	21
Dissolved Oxygen (mg/L)		5.8	8.1		3.7	to 9.7	6	± 0.39	21
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.005 U	to 0.008 U	0.0071	± 0.000	21
Calcium (mg/L)		14.7	6.26	11.8	4.4	to 50.3	9.8	± 2.1	21
Iron (mg/L)		0.267	0.133	0.271	0.088	to 3.15	0.6	± 0.17	21
Magnesium (mg/L)		2.17	1.88	1.93	1.2	to 4.54	2	± 0.16	21
Manganese (mg/L)		0.548	0.0415	0.0402	0.019	to 1.62	0.3	± 0.092	21
Potassium (mg/L)		1.23	1 U	1.4	1 U	to 2	1.2	± 0.067	21
Sodium (mg/L)		2.44	1.9	2.44	1.2	to 4.83	2.4	± 0.24	21
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to 0.2 U	0.13	± 0.01	21
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.14	0.05 U	to 1.9	0.32	± 0.093	21
Total Phosphorus Mixed Forms (PO4 and		0.1 U	0.1 U	0.1 U	0.02 U	to 1.1	0.15	± 0.048	21
Total Dissolved Solids (mg/L)		46	55	62	30	to 200	64	± 8.1	21
Total Suspended Solids (mg/L)		4 U	4.4	4 U	2.5 U	to 190	15	± 8.8	21
Sulfate (mg/L)		1 U	1 U	11	0.82	to 89	8.5	± 4.2	21
Ca-mg Hardness (CaCO3) (mg/L)		45.6	23.4	37.4	16	to 144	33	± 5.9	21
Bicarbonate (CaCO3) (mg/L)		24	20	25	5.1	to 45	23	± 2.1	21
Alkalinity (CaCO3) (mg/L)		24	20	25	5.1	to 45	23	± 2.1	21
Organic Carbon (mg/L)		8.9	8.9	13	3.9	to 16.9	7.9	± 0.58	21
Chloride (mg/L)		2.2	4	4.1	1	to 6.3	3.3	± 0.32	21

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 181
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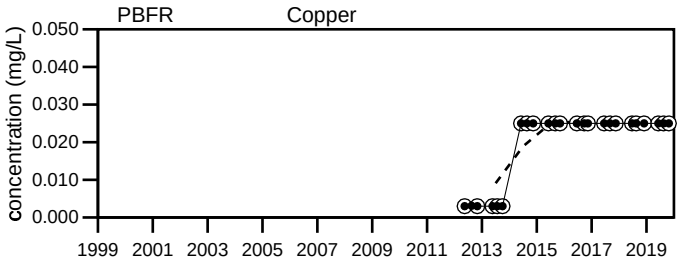
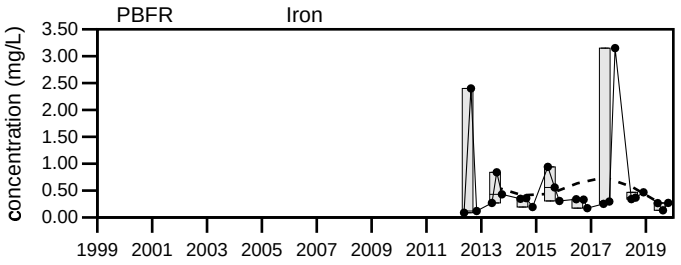
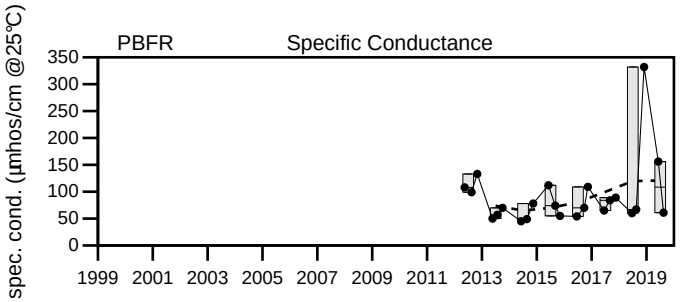
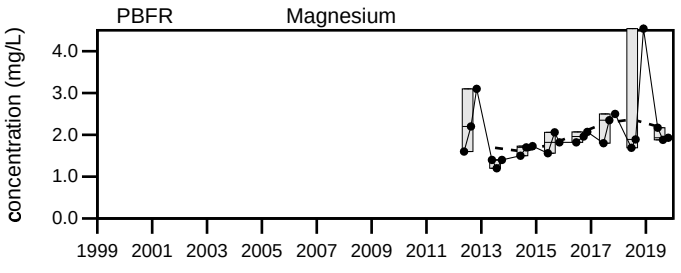
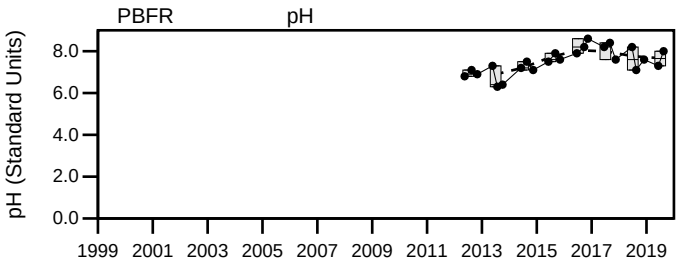
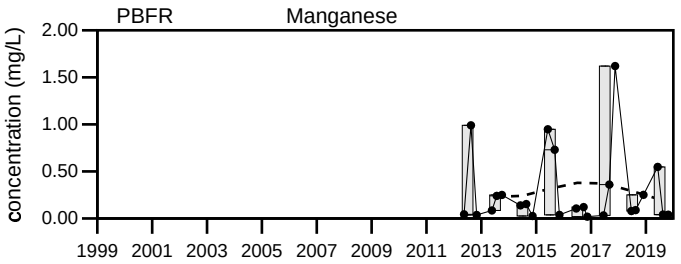


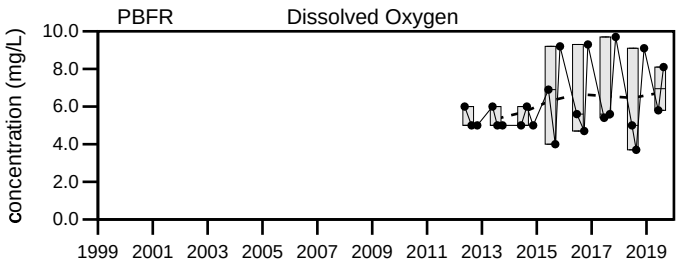


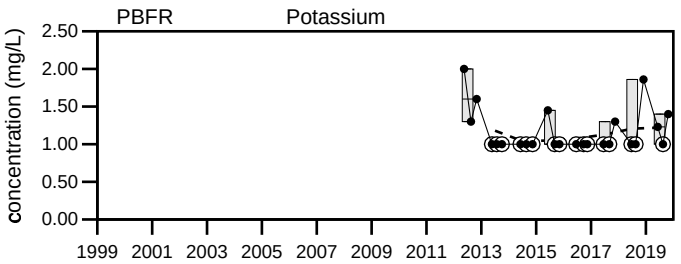


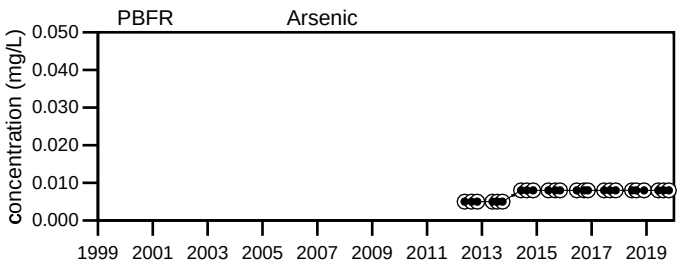


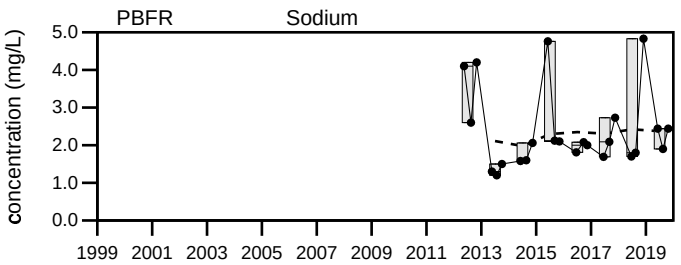


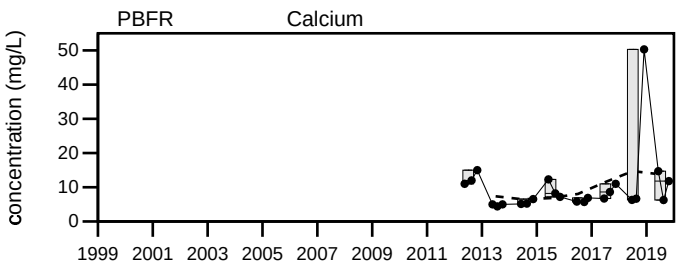


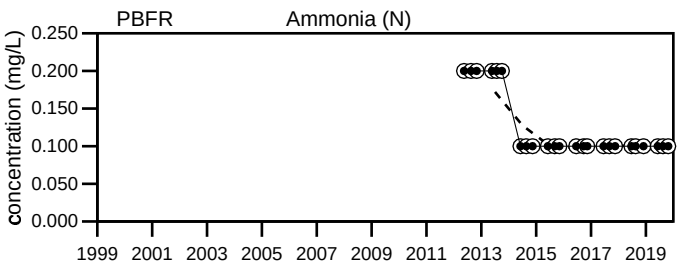


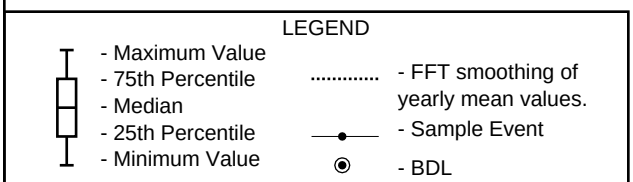








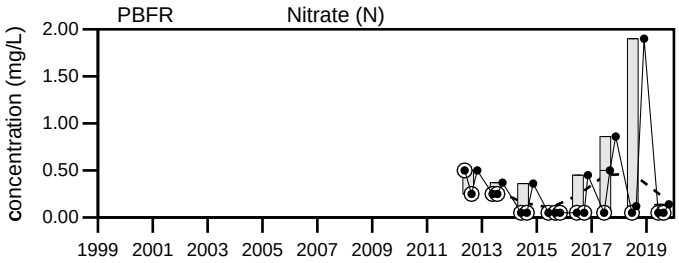


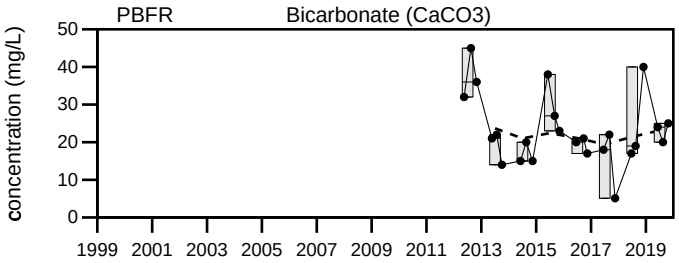


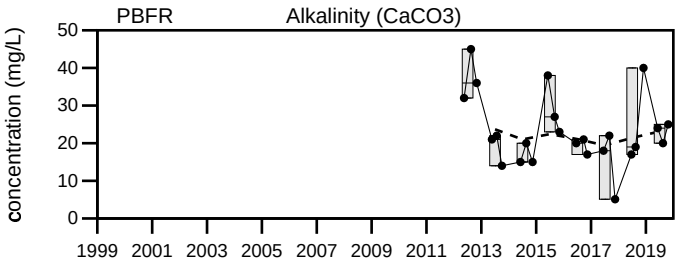
Dolby Landfill

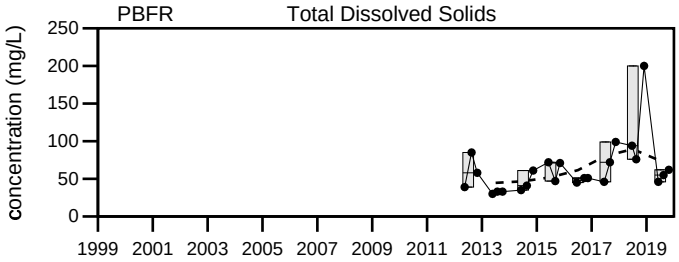
PBFR

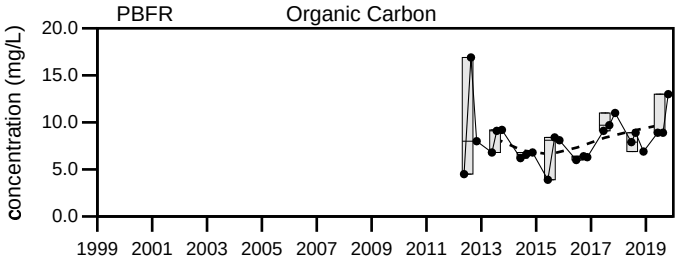
Sevee & Maher Engineers, Inc.

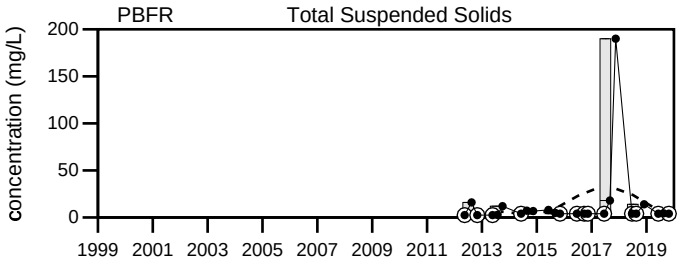


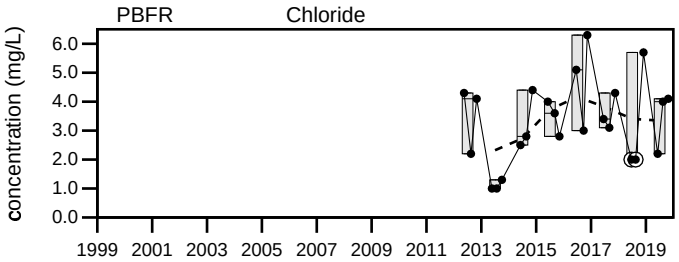


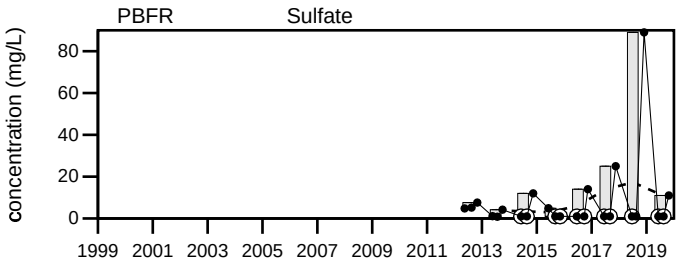


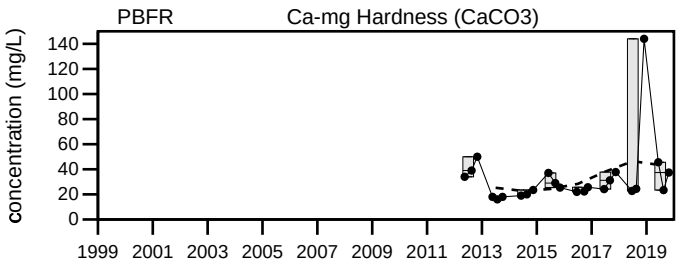


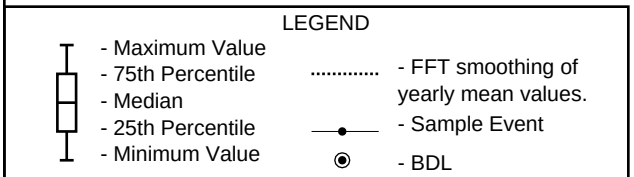












Dolby Landfill

PBFR

Sevee & Maher Engineers, Inc.

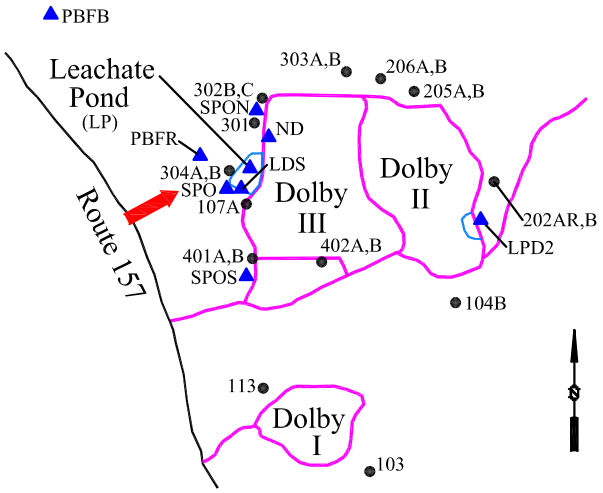
Well Description

Surface water from the detention pond outlet to the west of Dolby III.

Sampled: **3 Times Annually**

Sampled Since: **Mar-91**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	Q2	Q3	Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		134	D	105	72	to 196	160	± 15	19
pH (STU)		7.5	D	7.8	5.83	to 8.71	7.2	± 0.13	19
Dissolved Oxygen (mg/L)		8.5	D	7.8	2.3	to 10	6	± 0.51	19
Arsenic (mg/L)		0.008 U	D	0.008 U	0.005 U	to 0.008 U	0.0055	± 0.000	19
Calcium (mg/L)		20.8	D	11.7	8.4	to 36	16	± 1.8	19
Iron (mg/L)		**2.18**	D	0.331	0.3	to 5.7	1.1	± 0.26	19
Magnesium (mg/L)		2.55	D	1.33	1 U	to 4.7	2	± 0.21	19
Manganese (mg/L)		0.715	D	0.0434	0.036	to 3.6	0.44	± 0.18	19
Potassium (mg/L)		1.44	D	3.85	1 U	to 7	2.7	± 0.37	19
Sodium (mg/L)		2.26	D	1.33	1.2	to 8.7	6	± 0.94	19
Ammonia (N) (mg/L)		0.1 U	D	0.1 U	0.1 U	to 0.21	0.17	± 0.01	19
Nitrate (N) (mg/L)		0.05 U	D	0.34	0.05 U	to 2 U	0.88	± 0.18	19
Total Phosphorus Mixed Forms (PO4 and		0.1 U	D	0.1 U	0.02 U	to 0.12	0.1	± 0.028	18
Total Dissolved Solids (mg/L)		96	D	64	43	to 140	85	± 5.4	19
Total Suspended Solids (mg/L)		16	D	5.2	0.6 U	to 37	8.5	± 2.4	19
Sulfate (mg/L)		1 U	D	7.9	1 U	to 15	10	± 3.8	19
Ca-mg Hardness (CaCO3) (mg/L)		62.5	D	34.8	21	to 110	58	± 6.1	19
Bicarbonate (CaCO3) (mg/L)		51	D	24	21	to 75	42	± 4	19
Alkalinity (CaCO3) (mg/L)		52	D	24	21	to 77	43	± 4.1	19
Organic Carbon (mg/L)		15	D	15	9.3	to 18	16	± 2.4	19
Chloride (mg/L)		2.8	D	3.1	2 U	to 19	12	± 2.6	19

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 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.

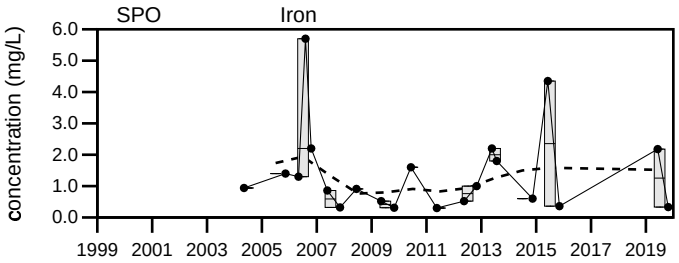
Comments

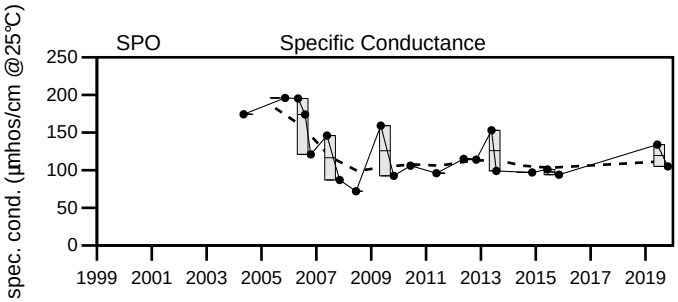
Q2= 6 - 2019
Q3= 8 - 2019
Q4= 10 - 2019

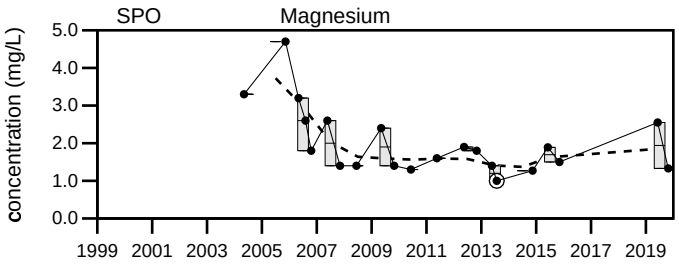
U = Not Detected above the laboratory reporting limit.
D = The sampling location was dry.

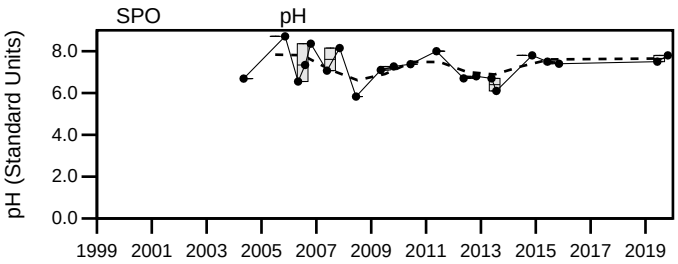
Data Group: 181
Printed: 3/5/2020 14:33

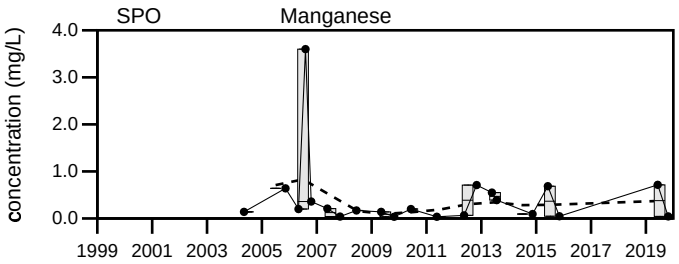
No data for Copper at SPO

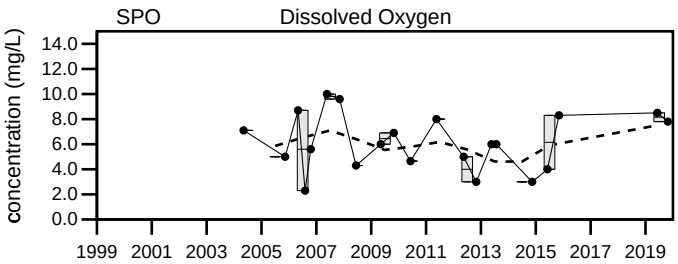


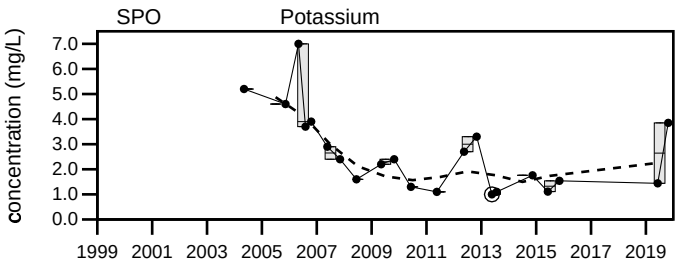


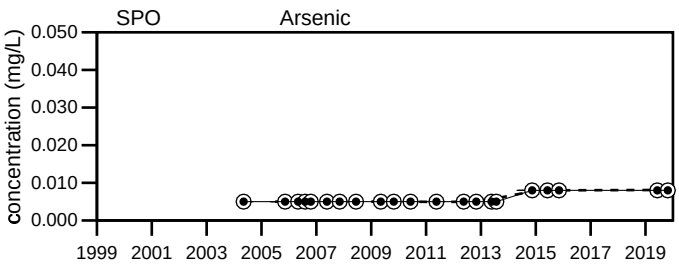


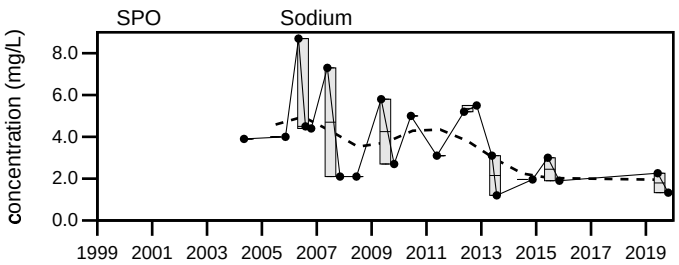


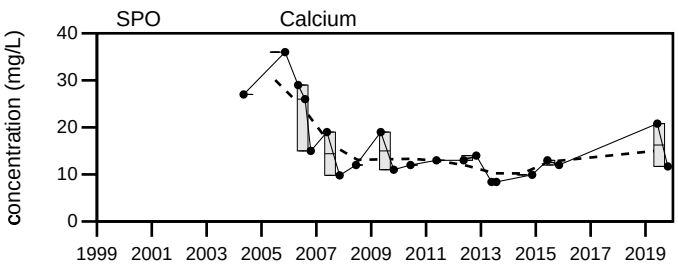


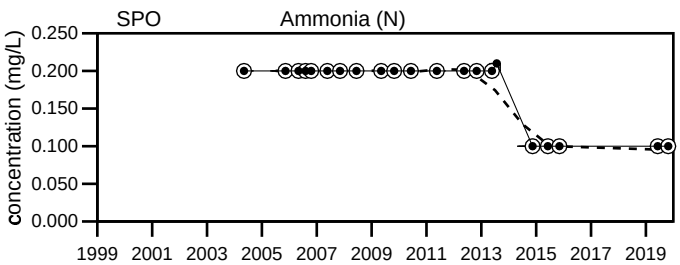












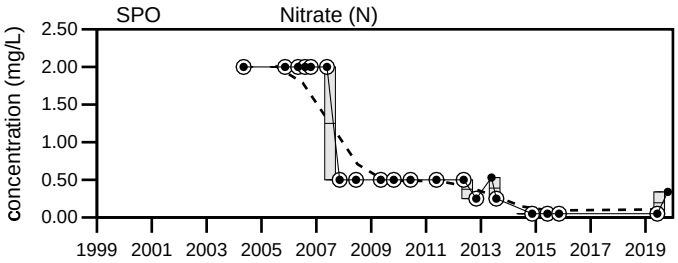
LEGEND

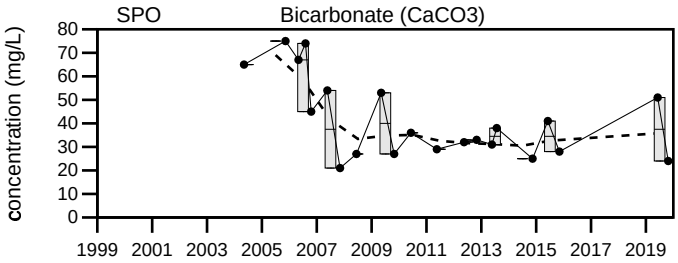
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

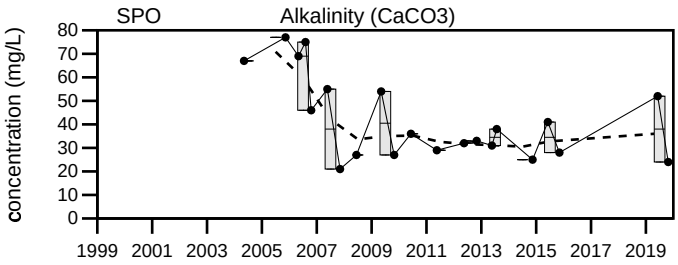
Dolby Landfill

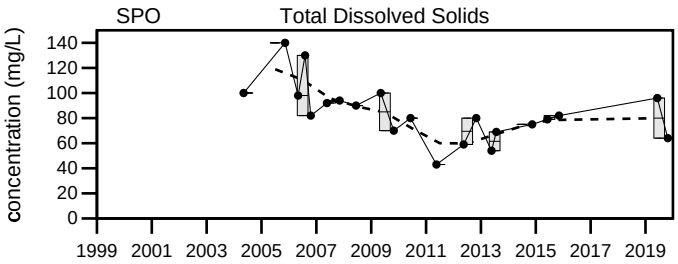
SPO

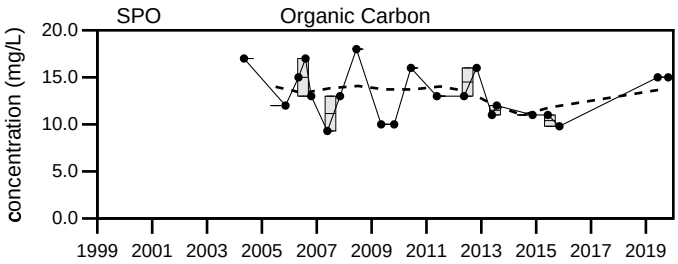
Sevee & Maher Engineers, Inc.

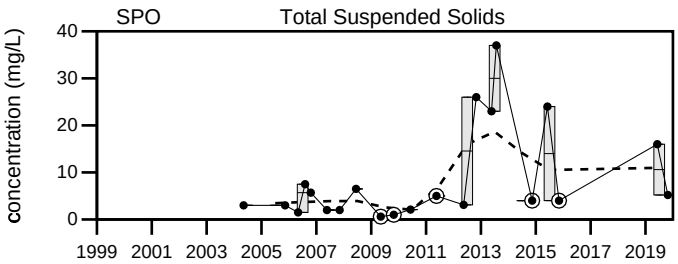


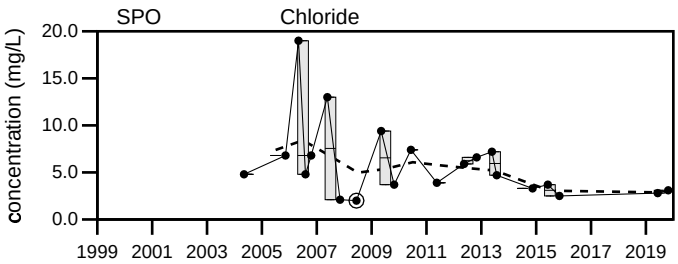


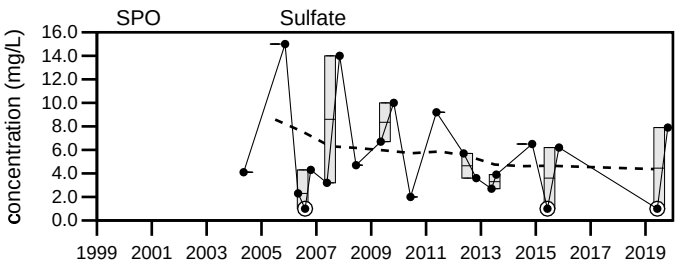


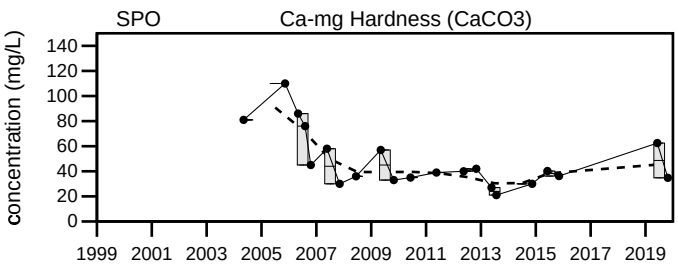












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

SPO

Sevee & Maher Engineers, Inc.

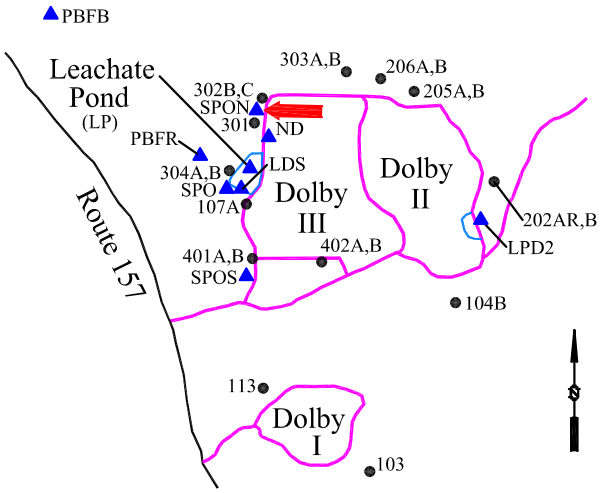
Well Description

Siltation Pond North

Sampled: **3 times annually**

Sampled Since: **May-05**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		601	481	473	227	1483	640	46	33
pH (STU)		7.3	7.5	7.7	6.2	8.03	7.2	0.075	33
Dissolved Oxygen (mg/L)		3.4	3	7.9	2	11.5	6	0.4	32
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.008 U	0.0059	0.000	33
Calcium (mg/L)		93.6	62.8	87.8	37	200	89	6.9	33
Iron (mg/L)		0.394	**1.55**	0.606	0.15	8.66	1.7	0.36	33
Magnesium (mg/L)		24.9	21	11.1	5.6	61	22	2	33
Manganese (mg/L)		4.28	1.95	0.223	0.198	17	5.3	0.8	33
Potassium (mg/L)		10.9	3.87	4.36	3.8	82	16	2.3	33
Sodium (mg/L)		13.8	18.4	3.85	2.7	36	14	1.3	33
Ammonia (N) (mg/L)		0.26	0.1 U	0.1 U	0.1 U	2.3	0.56	0.11	33
Nitrate (N) (mg/L)		0.093	0.05 U	0.52	0.05 U	18	1.2	0.54	33
Total Phosphorus Mixed Forms (PO4 and		0.1 U	0.1 U	0.1 U	0.02 U	0.5	0.093	0.015	32
Total Dissolved Solids (mg/L)		400	310	330	140	960	410	31	33
Total Suspended Solids (mg/L)		5.6	16	7.6	1 U	30	7.9	1.4	33
Sulfate (mg/L)		34	22	89	1 U	380	45	14	33
Ca-mg Hardness (CaCO3) (mg/L)		336	243	265	130	750	310	24	33
Bicarbonate (CaCO3) (mg/L)		310	240	170	105	640	280	19	33
Alkalinity (CaCO3) (mg/L)		310	240	170	110	670	280	19	33
Organic Carbon (mg/L)		15	11	16	9.2	30	15	0.78	33
Chloride (mg/L)		11	11	3.7	2.9	49	22	2.1	33

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

Q3= 8 - 2019

Q4= 10 - 2019

Data Group: 181
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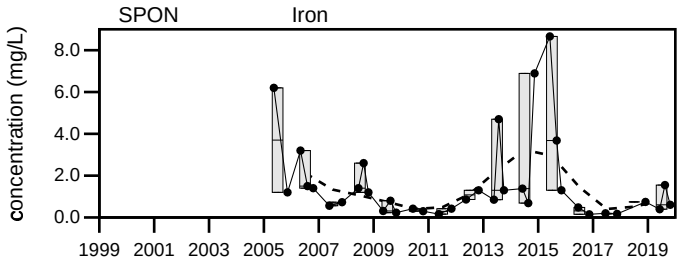
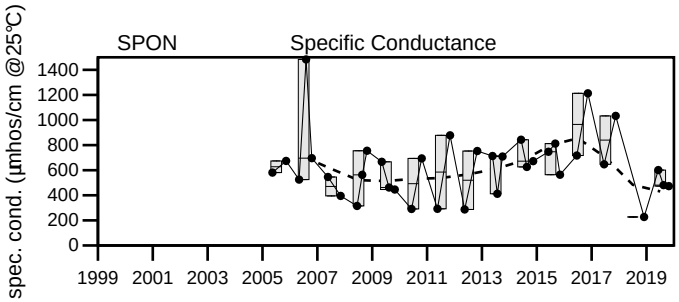
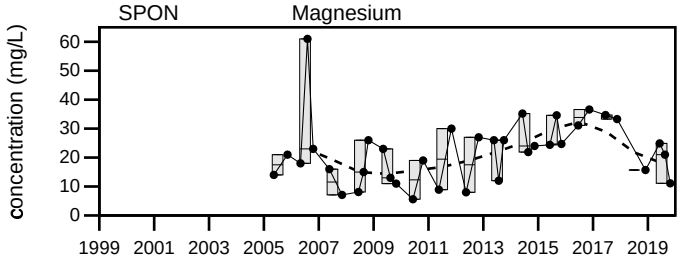
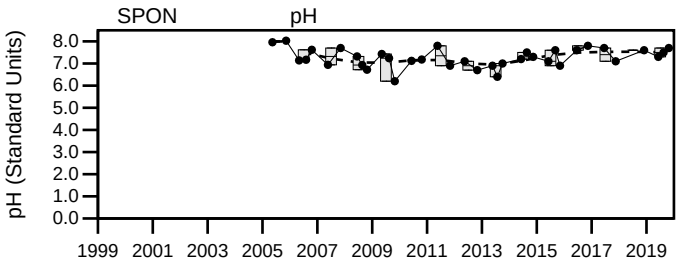
SME SEVEE & MAHER ENGINEERS

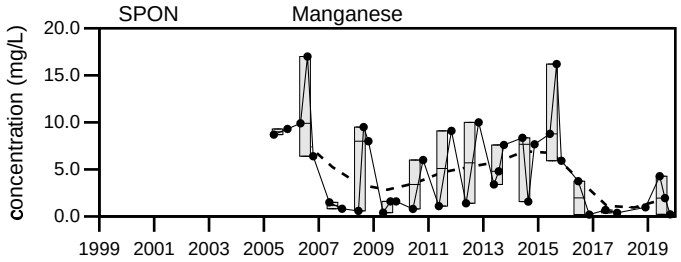
No data for Copper at SPON

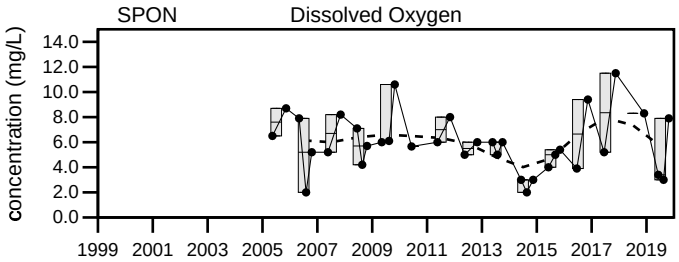


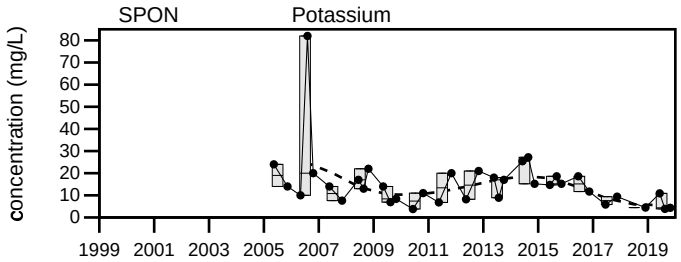


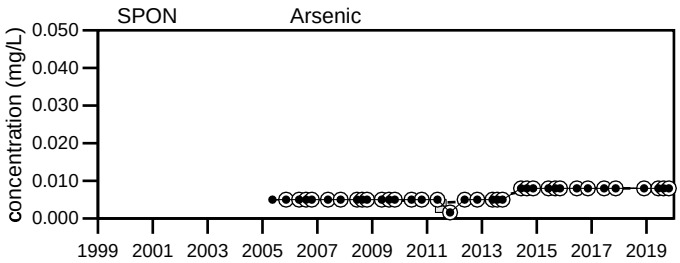


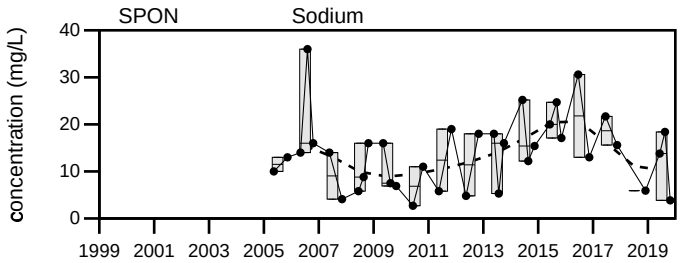


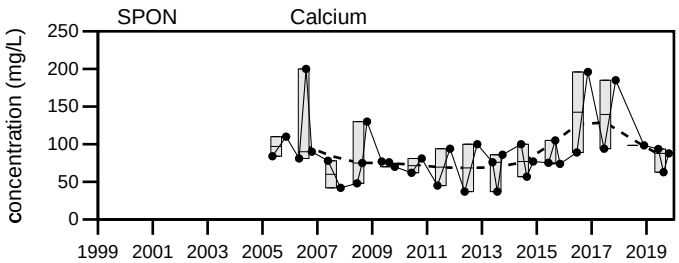


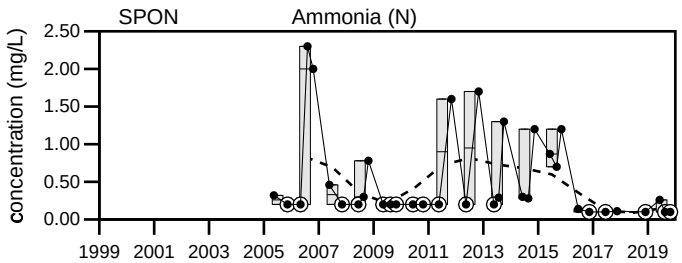












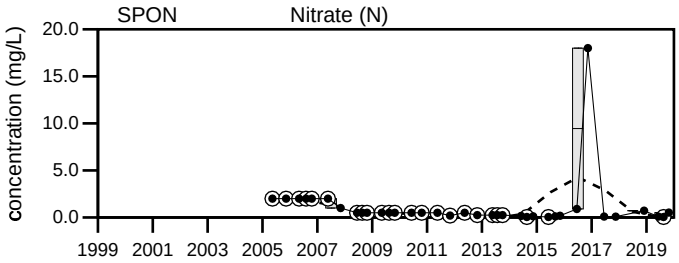
LEGEND

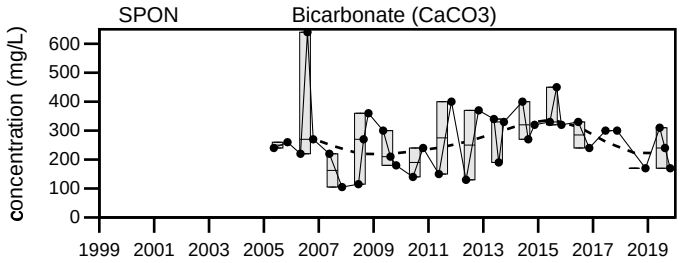
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

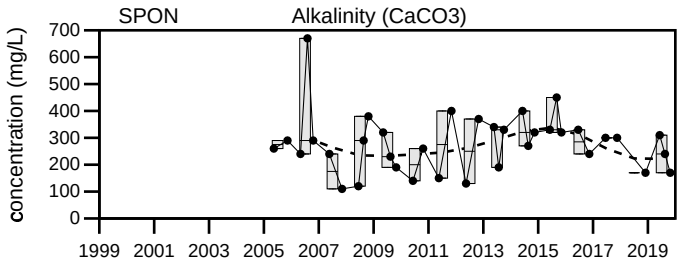
Dolby Landfill

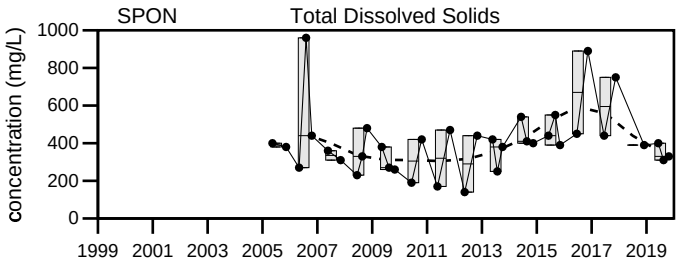
SPON

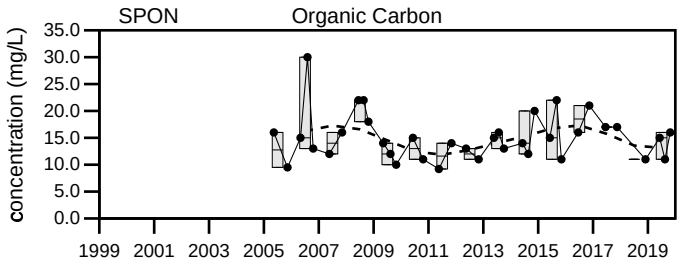
Sevee & Maher Engineers, Inc.

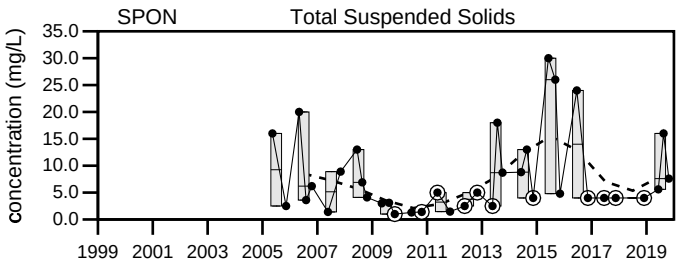


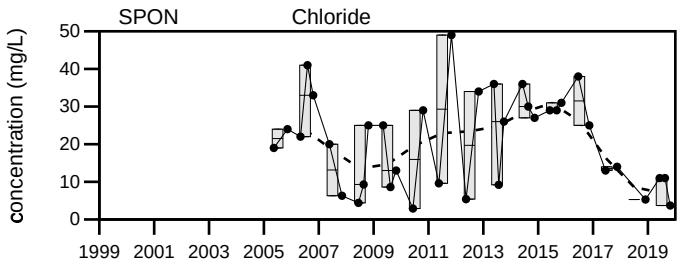


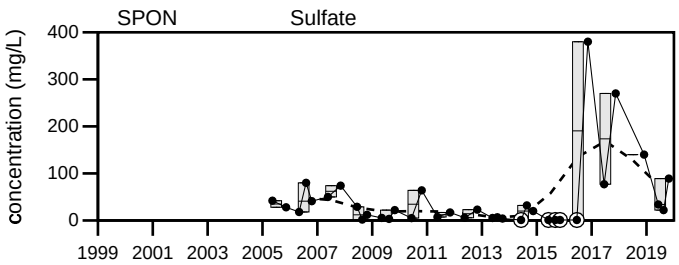


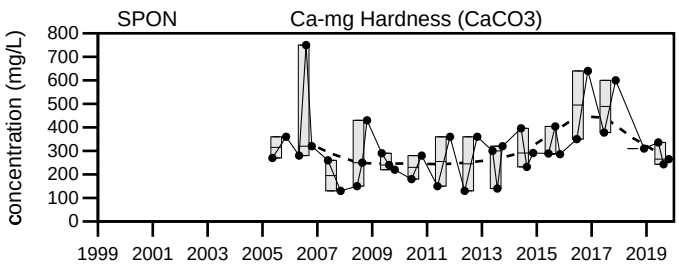


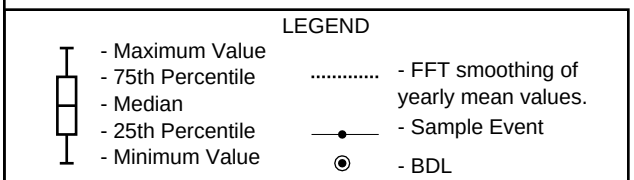












Dolby Landfill

SPON

Sevee & Maher Engineers, Inc.

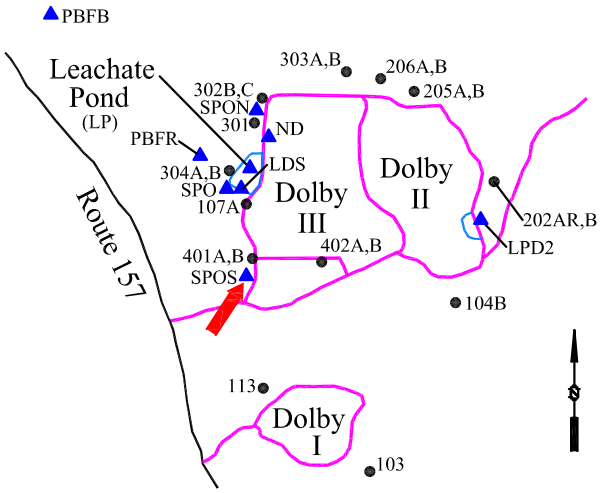
Well Description

Siltation Pond South

Sampled: **3 times annually**

Sampled Since: **May-05**

Sampling Method: **Grab**



Chemical Summary

Indicator Parameters	2019 Q1	2019 Q2	2019 Q3	2019 Q4	Historical (1/1/2000 - 12/31/2019) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		111	169	106	88	261	150	6.7	36
pH (STU)		7.8	8.1	7.8	6.4	8.8	7.5	0.097	36
Dissolved Oxygen (mg/L)		8.1	9	9.2	2	12.1	6.8	0.4	36
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	0.008 U	0.0059	0.000	36
Calcium (mg/L)		15.2	24.4	14	10	58	19	1.5	36
Iron (mg/L)		0.33	0.704	0.132	0.045	25	1.5	0.73	36
Magnesium (mg/L)		4.39	5.88	3.94	3.1	12	5.2	0.29	36
Manganese (mg/L)		0.0919	0.211	0.0265	0.01 U	5.34	0.73	0.24	36
Potassium (mg/L)		1.41	1 U	1.71	0.84	4.9	1.4	0.13	36
Sodium (mg/L)		2.45	3.34	2.67	1.5	36	4.3	0.91	36
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.082 U	0.2 U	0.16	0.008	36
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	2 U	0.61	0.12	36
Total Phosphorus Mixed Forms (PO4 and		0.1 U	0.1 U	0.1 U	0.0079	0.13	0.057	0.007	35
Total Dissolved Solids (mg/L)		80	120	96	16	160	94	5.8	36
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	8.3 U	2.9	0.35	36
Sulfate (mg/L)		1 U	1 U	1 U	0.58	39	4.8	1.2	36
Ca-mg Hardness (CaCO3) (mg/L)		56	85.2	51.1	38	190	68	4.8	36
Bicarbonate (CaCO3) (mg/L)		54	88	47	34	100	60	3.5	36
Alkalinity (CaCO3) (mg/L)		54	88	47	34	100	61	3.5	36
Organic Carbon (mg/L)		9.2	8.6	↑18	7.2	15	10	0.38	36
Chloride (mg/L)		2 U	2.5	3.1	1.1	11	3.4	0.31	36

underlined/bold - values exceed a regulatory standard listed below.

Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 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= 6 - 2019 U = Not Detected above the laboratory reporting limit.

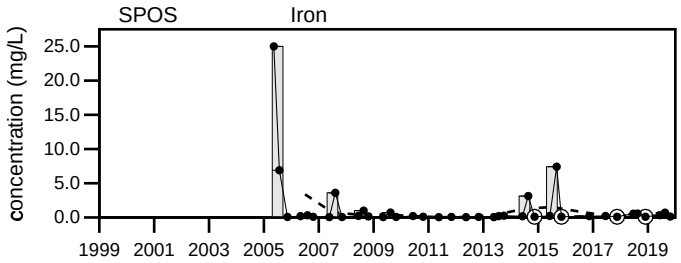
Q3= 8 - 2019

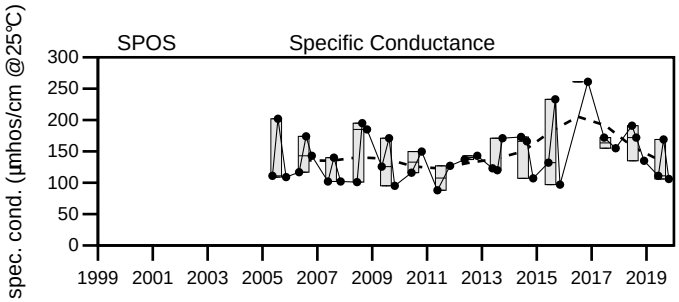
Q4= 10 - 2019

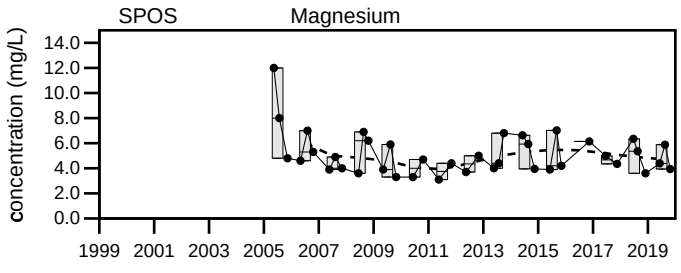
Data Group: 181
Printed: 3/5/2020 14:33

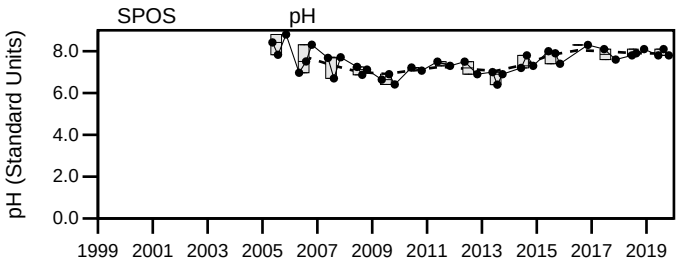
SME SEVEE & MAHER ENGINEERS

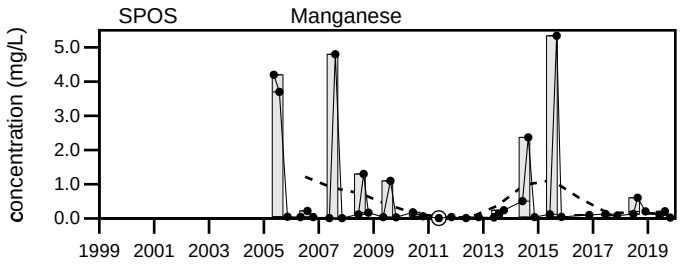
No data for Copper at SPOS

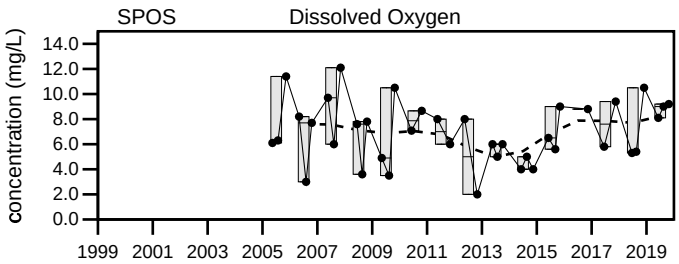


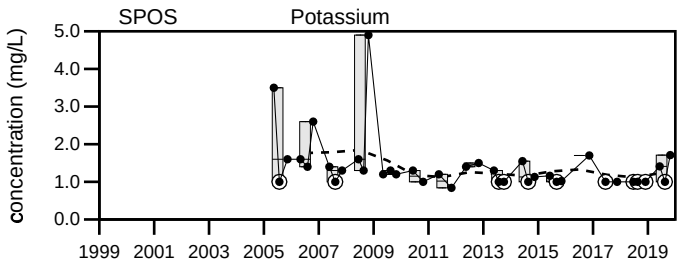


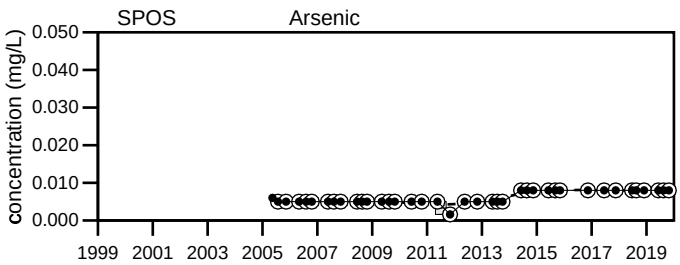


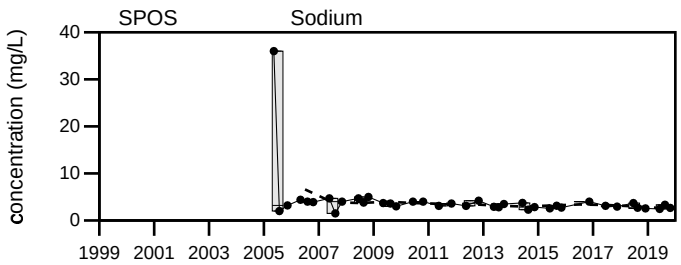


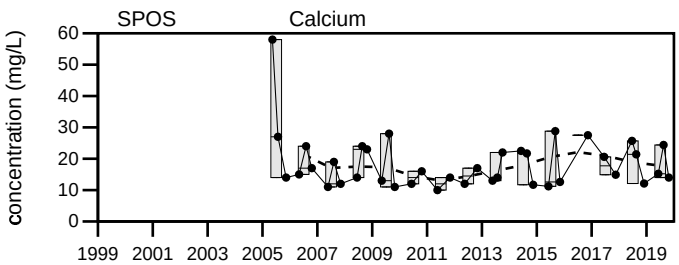


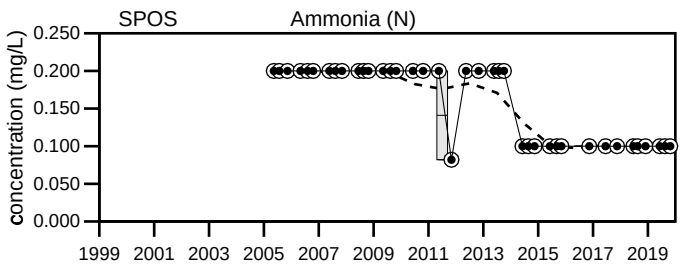


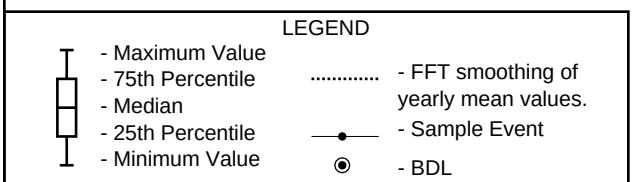












Dolby Landfill

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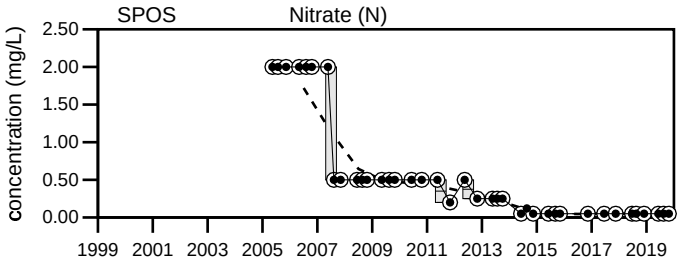

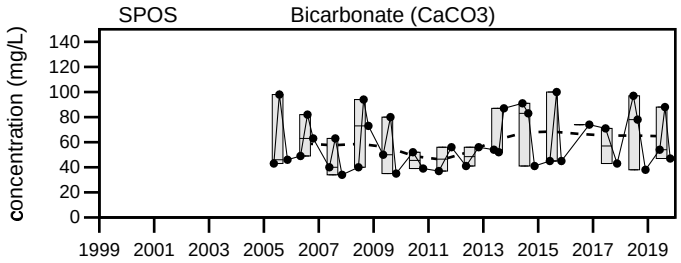

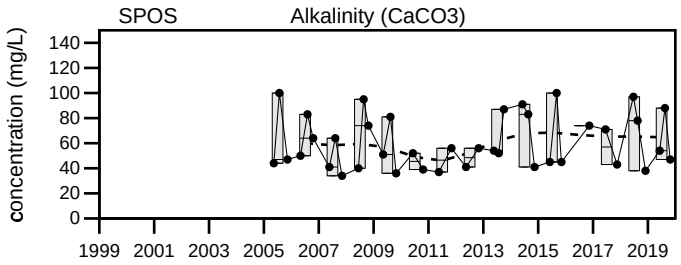

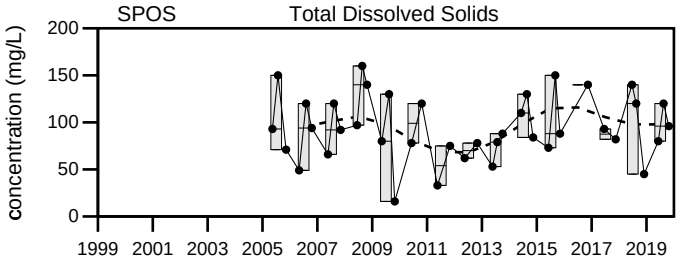

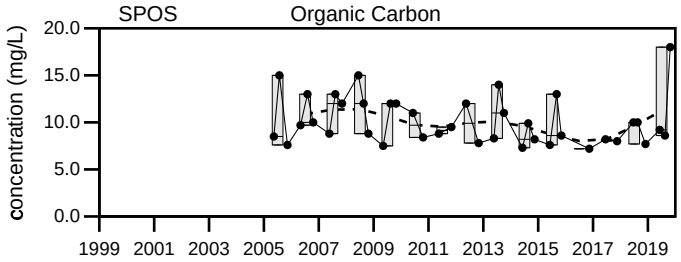

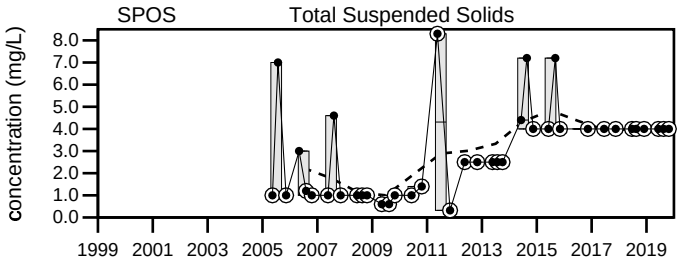

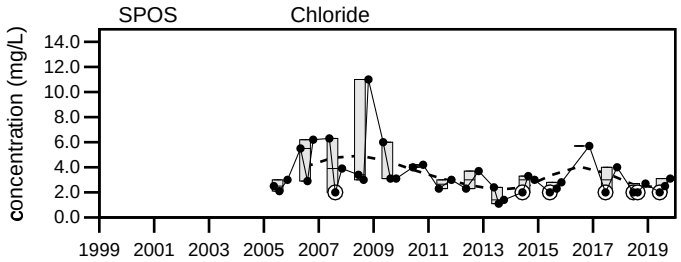

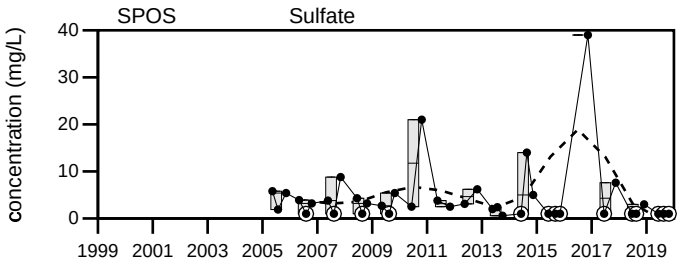

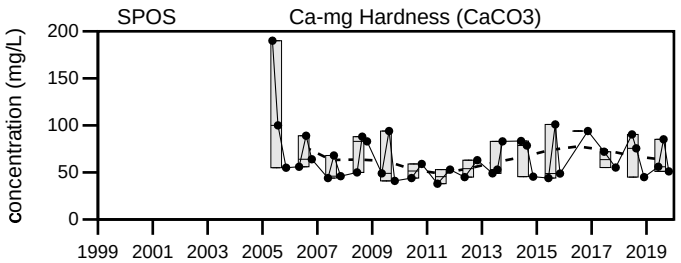

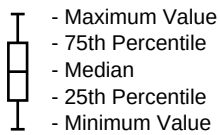

Dolby Landfill

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APPENDIX C-3

MANN-KENDALL TREND ANALYSES

SME
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Summary of Mann-Kendall Trend Analysis
95% Confidence (alpha=0.05)
Dolby Landfill 2019

	Increasing Trends		Decreasing Trends		NoTrends	
LOCATION	3 Year	5 Year	3 Year	5 Year	3 Year	5 Year
103					Spec Cond, pH, Temp, Water Depth, Water Elev., DO, TURB (fld)	Spec Cond, pH, Temp, Water Depth, Water Elev., DO, TURB (fld)
104B	TDS	Ca, TDS, Hard(CaMg), HCO3, ALK	Mn		Spec Cond, pH, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mg, K, Na, NH3 - N, NO3 - N, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, pH, Temp, Water Depth, Water Elev., DO, As, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TSS, SO4, OC, Cl, TURB (fld)
107A	pH, SO4	pH, K	Spec Cond, Ca, Fe, Mg, Mn, Na, TDS, Hard(CaMg), HCO3, ALK, OC, Cl		Temp, Water Depth, Water Elev., DO, As, K, NH3 - N, NO3 - N, TSS, TURB (fld)	Spec Cond, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mg, Mn, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)
113	pH, DO	pH, Temp			Spec Cond, Temp, Water Depth, Water Elev., TURB (fld)	Spec Cond, Water Elev., Water Depth, DO, TURB (fld)
202AR		pH	Ca, NH3 - N	Ca, Mn, Cl	Spec Cond, pH, Temp, Water Elev., Water Depth, DO, As, Fe, Mg, Mn, K, Na, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, Temp, Water Elev., Water Depth, DO, As, Fe, Mg, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, TURB (fld)
202B		pH, DO, SO4	Fe	TSS	Spec Cond, pH, Temp, Water Depth, Water Elev., DO, As, Ca, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, Temp, Water Depth, Water Elev., As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)
205A			Spec Cond, TDS	Fe, NH3 - N	pH, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, pH, Temp, Water Depth, Water Elev., DO, As, Ca, Mg, Mn, K, Na, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)
205B		DO		Mn, SO4	Spec Cond, pH, Temp, Water Depth, Water Elev., DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, pH, Temp, Water Elev., Water Depth, As, Ca, Fe, Mg, K, Na, NH3 - N, NO3 - N, TDS, TSS, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)
206A	pH	pH			Spec Cond, Temp, Water Depth, Water Elev., DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)
206B					Spec Cond, pH, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, pH, Temp, Water Depth, Water Elev., DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)
301	pH, Mg, Na, HCO3, ALK, OC	pH, Mg, Na, SO4, Hard(CaMg), HCO3, ALK, OC	Cl	Cl	Spec Cond, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mn, K, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), TURB (fld)	Spec Cond, Temp, Water Depth, Water Elev., DO, BENZENE, TOLUENE, EtBENZ, oXYL, mpXYL, C9-C18 ALIPHATICS (ADJUSTED), C9-C12 ALIPHATICS (ADJUSTED), C9-C10 AROMATICS (ADJUSTED), C5-C8 ALIPHATICS (ADJUSTED), C19-C36 ALIPHATICS (ADJUSTED), C11-C22 AROMATICS (A

302B	Ca, K, Na, NH3 - N, Hard(CaMg), HCO3, ALK, OC	Spec Cond, pH, Mg, Mn, K, Na, NH3 - N, TDS, Hard(CaMg), HCO3, ALK, OC		Cl	Spec Cond, pH, Temp, Water Elev., Water Depth, DO, As, Fe, Mg, Mn, NO3 - N, TDS, TSS, SO4, Cl, TURB (fld)	Temp, Water Elev., Water Depth, DO, BENZENE, TOLUENE, EtBENZ, oXYL, mpXYL, C9-C12 ALIPHATICS (ADJUSTED), C9-C18 ALIPHATICS (ADJUSTED), C9-C10 AROMATICS (ADJUSTED), C5-C8 ALIPHATICS (ADJUSTED), C19-C36 ALIPHATICS (ADJUSTED), C11-C22 AROMATICS (ADJUSTED), M
302C	pH	pH, Mg, Mn, K, Na, NH3 - N, Hard(CaMg), HCO3, ALK, OC			Spec Cond, Temp, Water Depth, Water Elev., DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, Temp, Water Elev., Water Depth, DO, BENZENE, TOLUENE, EtBENZ, oXYL, mpXYL, C9-C12 ALIPHATICS (ADJUSTED), C11-C22 AROMATICS (ADJUSTED), C19-C36 ALIPHATICS (ADJUSTED), C5-C8 ALIPHATICS (ADJUSTED), C9-C10 AROMATICS (ADJUSTED), C9-C18 ALIPHATICS (A
303A		pH			Spec Cond, pH, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)
303B	DO	DO			Spec Cond, pH, Temp, Water Depth, Water Elev., As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, pH, Temp, Water Depth, Water Elev., As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)
304A		Mn		Cl	Spec Cond, pH, Temp, Water Depth, Water Elev., DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, pH, Temp, Water Depth, Water Elev., DO, As, Ca, Fe, Mg, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, TURB (fld)
304B		pH, Mg, Mn, TSS, Hard(CaMg)			Spec Cond, pH, Temp, Water Depth, Water Elev., DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, K, Na, NH3 - N, NO3 - N, TDS, SO4, HCO3, ALK, OC, Cl, TURB (fld)
401A				As	Spec Cond, pH, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, pH, Temp, Water Elev., Water Depth, DO, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)
401B		Ca, Mg, TDS, Hard(CaMg), HCO3, ALK	SO4	SO4, Cl	Spec Cond, pH, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mg, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Spec Cond, pH, Temp, Water Depth, Water Elev., DO, As, Fe, Mn, K, Na, NH3 - N, NO3 - N, TSS, OC, TURB (fld)
402A	Mg, HCO3, ALK, OC	Spec Cond, Ca, Mg, Mn, Na, Hard(CaMg), HCO3, ALK			Spec Cond, pH, Temp, Water Elev., Water Depth, DO, As, Ca, Fe, Mn, K, Na, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), Cl, TURB (fld)	pH, Temp, Water Depth, Water Elev., DO, As, Fe, K, NH3 - N, NO3 - N, TDS, TSS, SO4, OC, Cl, TURB (fld)
402B	DO, K	pH	Ca, Na	Spec Cond, Na, NH3 - N, Cl	Spec Cond, pH, Temp, Water Depth, Water Elev., As, Fe, Mg, Mn, NH3 - N, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, Cl, TURB (fld)	Temp, Water Depth, Water Elev., DO, As, Ca, Fe, Mg, Mn, K, NO3 - N, TDS, TSS, SO4, Hard(CaMg), HCO3, ALK, OC, TURB (fld)

Key

2BENZANTH = Dibenz(a,h)Anthracene
ACANAPEN = Acenaphthene
ACENAPYL = Acenaphthylene
Ag = Silver
Al = Aluminum
ALK = Alkalinity (CaCO3)
ANTH = Anthracene
As = Arsenic
Ba = Barium
Be = Beryllium
BENZANTH = Benzo(a)Anthracene
BENZbFLU = Benzo(b)Fluoranthene
BENZENE = Benzene
BENZkFLU = Benzo(k)Fluoranthene
BENZPERY = Benzo(g,h,i)perylene
BENZPYR = Benzo(a)Pyrene
C11-C22 AROMATICS (ADJUSTED) = C11-C22 AR
C11-C22 AROMATICS (UNADJUSTED) =
C19-C36 ALIPHATICS (ADJUSTED) = C19-C36 ALI
C5-C8 ALIPHATICS (ADJUSTED) = C5-C8 ALIPHA
C5-C8 ALIPHATICS (UNADJUSTED) = C5
C9-C10 AROMATICS (ADJUSTED) = C9-C10 ARO
C9-C12 ALIPHATICS (ADJUSTED) = C9-C12 ALIPH
C9-C12 ALIPHATICS (UNADJUSTED) = C
C9-C18 ALIPHATICS (ADJUSTED) = C9-C18 ALIPH
Ca = Calcium
Cd = Cadmium
CHRYSENE = Chrysene
Cl = Chloride
Co = Cobalt
Cr = Chromium
Cu = Copper
DO = Dissolved Oxygen
EtBENZ = Ethylbenzene
Fe = Iron
FLUANTH = Fluoranthene
FLUORENE = Fluorene
Hard(CaMg) = Ca-mg Hardness (CaCO3)
HCO3 = Bicarbonate (CaCO3)
INDPYR = Indeno(1,2,3-c,d)Pyrene
K = Potassium
MeNAPHTH = 2-Methylnaphthalene
Mg = Magnesium
Mn = Manganese
mpXYL = m,p-Xylene
MTBE = Methyltertiarybutylether
Na = Sodium
NAPLNE = Naphthalene
NAPLNE = Naphthalene (EPH)
NAPLNE = Naphthalene (SVOC)
NH3 - N = Ammonia (N)
Ni = Nickel
NO3 - N = Nitrate (N)
OC = Organic Carbon
oXYL = o-Xylene
P = Total Phosphorus
Pb = Lead
pH = pH
PHENANTH = Phenanthrene
PYRENE = Pyrene
Sb = Antimony
Se = Selenium
SO4 = Sulfate
Spec Cond = Specific Conductance
TDS = Total Dissolved Solids
Temp = Temperature
Tl = Thallium
TOLUENE = Toluene
TSS = Total Suspended Solids
TURB (fld) = Turbidity (field)
Water Depth = Water Level Depth
Water Elev. = Water Level Elevation
Well Depth = Well Depth
Zn = Zinc

- Values below the laboratory PQL (non-detects) are divided by 2. All other data qualifiers are ignored but any associated value is used.

- Samples collected for data quality control are not analyzed.

- Data sets with less than 5 data points are not analyzed.

- Data sets with a period shorter than the intended period of analysis (e.g. 3-yr analysis or 5-yr analysis) are not analyzed.

- Significant events in historical data can affect the distribution in a way that compromises the assumption of a monotonic data set. Events could include the cessation of filtering, a spill, changing sampling protocols or analytical method changes that alter the detection limit.

REFERENCES:

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APPENDIX C-4

LANDFILL GAS MONITORING DATA

SME
SEVEE & MAHER
ENGINEERS

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

(107B) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm											
107B															
5/17/2011	0.1 US	0.1 US	0	0											
8/10/2011	0.1 US	0.1 US	0	0											
11/3/2011	0.1 US	0.1 US	0	0											
1/10/2012	0.1 US	0.1 US	0	0											
5/14/2012	0.1 US	0.1 US	0	0											
8/14/2012	0.1 US	0.1 US	0	0											
10/31/2012	0.1 US	0.1 US	0	0											
5/20/2013	0.1 US	0.1 US	0	0											
7/24/2013	0.1 US	0.1 US	0	0											
10/1/2013	0.1 US	0.1 US	0	0											
6/2/2014	0.1 US	0.1 US	0	0											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	0.1 US	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	0.1 US	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	0.1 US	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.1 US	0.1 US	0	0											
11/26/2018	0.1 US	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.1 US	0.1 US	0	0											
10/21/2019	0.1 US	0.1 US	0	0											
CB-13															
5/17/2011	0.3	0.1 US	0	0											
8/10/2011	3.8	0.1 US	0	0											
11/3/2011	1.2	0.1 US	1	0											
1/10/2012	1.3	0.1 US	6	0											
5/14/2012	0.1 US	0.1 US	0	0											
8/14/2012	0.1 US	0.1 US	0	0											
10/31/2012	0.5	0.1 US	0	0											
5/20/2013	0.1	0.1 US	0	0											
7/24/2013	0.3	0.1 US	0	0											
10/1/2013	0.1 US	0.1 US	2	0											
6/2/2014	0.1 US	0.1 US	0	0											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	1	0.1 US	0	0											
6/1/2015	0.5	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	2.2	0.1 US	2	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											

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CUMBERLAND CENTER, ME 04021

(CB-13) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	0.1 US	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.1 US	0.1 US	0	0											
11/26/2018	0.5	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.1 US	0.1 US	0	0											
10/21/2019	0.1 US	0.1 US	0	0											
CB-21															
5/17/2011	2.2	0.1	11	0											
8/10/2011	1.5	0.1 US	2	0											
11/3/2011	7.5	0.1 US	36	0											
1/10/2012	1.5	0.1 US	8	0											
5/14/2012	0.2	0.1 US	0	0											
8/14/2012	0.8	0.1 US	0	0											
10/31/2012	2.2	0.1 US	7	0											
5/20/2013	0.2	0.1 US	0	0											
7/24/2013	0.1 US	0.1 US	0	0											
10/1/2013	0.1 US	0.1 US	0	0											
6/2/2014	0.3	0.1 US	0	0											
8/18/2014	1.4	0.1 US	0	0											
11/10/2014	0.3	0.1 US	0	0											
6/1/2015	1.3	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	1.7	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.7	0.1 US	0	0											
6/12/2017	1.8	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	2.4	0.1 US	3	0											
8/13/2018	0.1	0.1 US	0	0											
11/26/2018	0.3	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	1.7	0.1 US	1.1	0											
10/21/2019	0.1 US	0.1 US	0	0											
CB-22															
5/17/2011	0.1 US	0.1 US	0	0											
8/10/2011	0.1 US	0.1 US	0	0											
11/3/2011	0.1 US	0.1 US	0	0											
1/10/2012	0.1 US	0.1 US	0	0											
5/14/2012	1.3	0.1 US	1	0											
8/14/2012	2.6	0.1 US	0	0											
10/31/2012	0.1 US	0.1 US	0	0											
5/20/2013	0.1 US	0.1 US	0	0											

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CUMBERLAND CENTER, ME 04021

(CB-22) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm											
7/24/2013	0.1 US	0.1 US	0	0											
10/1/2013	0.5	0.1 US	0	0											
6/2/2014	0.1 US	0.1 US	0	0											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	0.1 US	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	0.2	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	1.1	0.1 US	1	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.3	0.1 US	0	0											
11/26/2018	0.1 US	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	2.6	0.1 US	0	0											
10/21/2019	0.1	0.1 US	0	0											
CB-30															
5/17/2011	0.6	0.1 US	3	0											
8/10/2011	0.1 US	0.1 US	0	0											
11/3/2011	3.5	0.1 US	2	0											
1/10/2012	0.1 US	0.1 US	0	0											
5/14/2012	4.3	0.1 US	12	0											
8/14/2012	2.2	0.1 US	0	0											
10/31/2012	0.1 US	0.1 US	0	0											
5/20/2013	0.1 US	0.1 US	0	0											
7/24/2013	3	0.1 US	2	0											
10/1/2013	0.5	0.1 US	0	0											
6/2/2014	0.1 US	0.1 US	0	0											
8/18/2014	3.2	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	2.5	0.1 US	0	0											
9/3/2015	15	0.1 US	0	0											
12/17/2015	0.1 US	0.1 US	0	0											
6/13/2016	1.2	0.1 US	1	0											
9/19/2016	!	!	!	!											
11/7/2016	!	!	!	!											
6/12/2017	!	!	!	!											
8/28/2017	!	!	!	!											
11/13/2017	!	!	!	!											
6/18/2018	!	!	!	!											
8/13/2018	!	!	!	!											
11/26/2018	!	!	!	!											
CB-35															
5/17/2011	0.1 US	0.1 US	0	0											

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4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(CB-35) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm											
8/10/2011	6.3	0.1 US	55	0											
11/3/2011	0.1 US	0.1 US	0	0											
1/10/2012	1.2	0.1 US	5	0											
5/14/2012	0.1 US	0.1 US	0	0											
8/14/2012	0.1 US	0.1 US	0	0											
10/31/2012	0.5	0.1 US	1	0											
5/20/2013	0.1 US	0.1 US	0	0											
7/24/2013	23.7	0.1 US	17	0											
10/1/2013	0.1 US	0.1 US	0	0											
6/2/2014	0.1 US	0.1 US	0	0											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	0.1 US	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	2.8	0.1 US	12	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.8	0.1 US	1	0											
6/12/2017	0.1 US	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	15	0.1 US	5	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.1 US	0.1 US	0	0											
11/26/2018	1.2	0.1 US	30	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.1 US	0.1 US	0	0											
10/21/2019	0.1 US	0.1 US	0	0											
CB-39															
5/17/2011	0.1	0.1 US	0	0											
8/10/2011	0.1 US	0.1 US	0	0											
11/3/2011	0.1 US	0.1 US	0	0											
1/10/2012	0.1	0.1 US	0	0											
5/14/2012	0.3	0.1 US	0	0											
8/14/2012	5	0.1 US	0	0											
10/31/2012	3.9	0.1 US	0	0											
5/20/2013	0.6	0.1 US	0	0											
7/24/2013	7.2	0.1 US	0	0											
10/1/2013	1.3	0.1 US	0	0											
6/2/2014	0.2	0.1 US	0	0											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	0.1 US	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	0.7	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	0.3	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											

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4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(CB-39) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.1	0.1 US	0	0											
11/26/2018	1	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.8	0.1 US	0	0											
10/21/2019	0.3	0.1 US	0	0											
CB-4															
5/17/2011	3.2	0.1 US	3	0											
8/10/2011	10.8	0.1 US	10	0											
11/3/2011	8.6	0.1 US	16	0											
1/10/2012	8.1	0.1 US	31	0											
5/14/2012	1.6	0.1 US	1	0											
8/14/2012	7.3	0.1 US	10	0											
10/31/2012	0.1	0.1 US	0	0											
5/20/2013	7.79	0.1 US	1	0											
7/24/2013	0.1 US	0.1 US	0	0											
10/1/2013	11.6	0.1 US	0	0											
6/2/2014	12.5	0.1 US	6	0											
8/18/2014	8.9	0.1 US	7	0											
11/10/2014	1.9	0.1 US	0	0											
6/1/2015	6.2	0.1 US	0	0											
9/3/2015	26	0.1 US	1	0											
12/17/2015	3.7	0.1 US	0	0											
6/13/2016	7.8	0.1 US	4	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	8.4	0.1 US	3	0											
6/12/2017	7.7	0.1 US	1	0											
8/28/2017	5	0.1 US	0	0											
11/13/2017	23	0.1 US	0	0											
6/18/2018	0.8	0.1 US	5.5	0											
8/13/2018	12	0.1 US	0	0											
11/26/2018	0.3	0.1 US	0	0											
6/3/2019	14	0	0	0											
8/12/2019	5	0.1 US	4	0											
10/21/2019	37	0.1 US	1	0											
CB-43															
5/17/2011	0.3	0.1 US	2	0											
8/10/2011	0.1 US	0.1 US	0	0											
11/3/2011	3.1	0.1 US	0	0											
1/10/2012	1.1	0.1 US	0	0											
5/14/2012	0.1	0.1 US	0	0											
8/14/2012	0.1 US	0.1 US	0	0											
10/31/2012	0.6	0.1 US	0	0											
5/20/2013	0.3	0.1 US	0	0											
7/24/2013	3.5	0.1 US	0	0											
10/1/2013	0.5	0.1 US	0	0											
6/2/2014	0.2	0.1 US	0	0											

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

(CB-43) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	0.1 US	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	0.7	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	0.1 US	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	1.5	0.1 US	0	0											
8/13/2018	0.7	0.1 US	0	0											
11/26/2018	0.1 US	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.1 US	0.1 US	0	0											
10/21/2019	0.1 US	0.1 US	0	0											
CB-45															
5/17/2011	0.1 US	0.1 US	0	0											
8/10/2011	0.3	0.1 US	0	0											
11/3/2011	1.6	0.1 US	0	0											
1/10/2012	0.5	0.1 US	0	0											
5/14/2012	0.1 US	0.1 US	0	0											
8/14/2012	0.1 US	0.1 US	0	0											
10/31/2012	0.2	0.1 US	0	0											
5/20/2013	0.1	0.1 US	0	0											
7/24/2013	0.1 US	0.1 US	0	0											
10/1/2013	0.1 US	0.1 US	0	0											
6/2/2014	0.2	0.1 US	0	0											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	0.2	0.1 US	0	0											
6/1/2015	0.1 US	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	0.1 US	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	0.3	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.1 US	0.1 US	0	0											
11/26/2018	0.1 US	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.1 US	0.1 US	0	0											
10/21/2019	0.1 US	0.1 US	0	0											
CB-6A															
5/17/2011	2.9	0.1 US	0	0											

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(CB-6A) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm											
8/10/2011	2.3	0.1 US	0	0											
11/3/2011	4.2	0.1 US	0	0											
1/10/2012	6.2	0.1 US	0	0											
5/14/2012	0.1 US	0.1 US	0	0											
8/14/2012	1.4	0.1 US	0	0											
10/31/2012	0.1 US	0.1 US	0	0											
5/20/2013	0.1 US	0.1 US	0	0											
7/24/2013	0.1 US	0.1 US	0	0											
10/1/2013	0.1 US	0.1 US	0	0											
6/2/2014	0.1 US	0.1 US	0	0											
8/18/2014	3.3	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	0.9	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	0.1 US	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	4.2	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.5	0.1 US	0	0											
11/26/2018	0.1 US	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.1 US	0.1 US	0	0											
10/21/2019	0.1 US	0.1 US	0	0											
LEACHATE PUMP STATION															
5/17/2011	0.1 US	0.1 US	0	0											
8/10/2011	0.1 US	0.1 US	0	0											
11/3/2011	0.1 US	0.1 US	0	0											
1/10/2012	0.1 US	0.1 US	0	0											
5/14/2012	0.1 US	0.1 US	0	0											
8/14/2012	0.1 US	0.1 US	0	0											
10/31/2012	0.1 US	0.1 US	0	0											
5/20/2013	0.1 US	0.1 US	0	0											
7/24/2013	0.1 US	0.1 US	0	0											
10/1/2013	0.1 US	0.1 US	0	0											
6/2/2014	0.1 US	0.1 US	0	0											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	0.1 US	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	0.1 US	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	0.1 US	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											

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(LEACHATE PUMP STATION) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.1 US	0.1 US	0	0											
11/26/2018	0.1 US	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.1 US	0.1 US	0	0											
10/21/2019	0.1 US	0.1 US	0	0											
LEACHATE SUMP															
5/17/2011	0.1 US	0.1 US	0	0											
8/10/2011	0.1 US	0.1 US	0	0											
11/3/2011	0.1 US	0.1 US	0	0											
1/10/2012	0.1 US	0.1 US	0	0											
5/14/2012	0.1 US	0.1 US	0	0											
8/14/2012	0.1 US	0.1 US	0	0											
10/31/2012	0.1 US	0.1 US	0	0											
5/20/2013	0.1 US	0.1 US	0	0											
7/24/2013	0.1 US	0.1 US	0	0											
10/1/2013	0.1 US	0.1 US	0	0											
6/2/2014	0.1 US	0.1 US	0	0											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	0.1 US	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	0.1 US	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	0.1 US	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.1 US	0.1 US	0	0											
11/26/2018	0.1 US	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.1 US	0.1 US	0	0											
10/21/2019	0.1 US	0.1 US	0	0											
OPERATORS SHACK															
5/18/2011	0.1 US	0.1 US	0	0											
8/10/2011	0.1 US	0.1 US	0	0											
11/3/2011	0.1 US	0.1 US	0	0											
1/10/2012	0.1 US	0.1 US	0	0											
5/14/2012	0.1 US	0.1 US	0	0											
8/14/2012	0.1 US	0.1 US	0	0											
10/31/2012	0.1 US	0.1 US	0	0											
5/20/2013	0.1 US	0.1 US	0	0											
7/24/2013	0.1 US	0.1 US	0	0											
10/1/2013	0.1 US	0.1 US	0	0											
6/2/2014	0.1 US	0.1 US	0	0											

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(OPERATORS SHACK) Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm											
8/18/2014	0.1 US	0.1 US	0	0											
11/10/2014	0.1 US	0.1 US	0	0											
6/1/2015	0.1 US	0.1 US	0	0											
9/3/2015	0.1 US	0.1 US	0	0											
12/17/2015	0.1 US	0.1 US	0	0											
6/13/2016	0.1 US	0.1 US	0	0											
9/19/2016	0.1 US	0.1 US	0	0											
11/7/2016	0.1 US	0.1 US	0	0											
6/12/2017	0.1 US	0.1 US	0	0											
8/28/2017	0.1 US	0.1 US	0	0											
11/13/2017	0.1 US	0.1 US	0	0											
6/18/2018	0.1 US	0.1 US	0	0											
8/13/2018	0.1 US	0.1 US	0	0											
11/26/2018	0.1 US	0.1 US	0	0											
6/3/2019	0.1 US	0.1 US	0	0											
8/12/2019	0.1 US	0.1 US	0	0											
10/21/2019	0.1 US	0.1 US	0	0											

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

Concentration Qualifier Notes:

! - The sampling location was damaged or destroyed.

US - Not Detected above the reported reporting limit determined by interpreted instrument specification.

APPENDIX D

TECHNICAL MEMORANDUM FOR LEACHATE FLOW STUDY

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ENGINEERS

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MEMO TO: John Blais, State of Maine **(VIA EMAIL)**

FROM: Brian Pierce and Matt Muzzy, SME

DATE: January 14, 2020

SUBJECT: **LEACHATE FLOW STUDY AND LEACHATE VOLUME ESTIMATE DOLBY II AND III LANDFILLS, EAST MILLINOCKET, MAINE**

This Technical Memo (TM) provides a discussion of a recently completed leachate flow study, including an estimate of the annual volume leachate produced at the Dolby II and Dolby III Landfills. The landfills are part of the Dolby Landfill Facility (Dolby Landfill) in East Millinocket, Maine. The Dolby Landfill was constructed by the former Great Northern Paper Company (GNP) as a location for disposal of solid waste from pulp and paper mills in the nearby towns of Millinocket and East Millinocket. Leachate collected from the facility (and subsequently treated) is relevant to predicting future landfill operating costs. Consideration is being given to upgrading the existing covers for the Dolby II and Dolby III Landfills to reduce leachate generation. In 2019, 70.7 million gallons (MG) of leachate from the Dolby Facility were collected and treated. Figure 1 shows a plan view of the Dolby II and III Landfills and includes the location of various leachate infrastructure mentioned in this TM.

Work for the leachate volume estimate discussed herein was authorized by the Maine Department of Economic and Community Development (MEDECD) and generally follows SME's proposal to MEDEC for engineering services dated February 20, 2018.

LEACHATE GENERATION - BACKGROUND

The Dolby Landfill Facility is comprised of three landfills: Dolby I, Dolby II, and Dolby III and a leachate storage pond (i.e., leachate pond).

Dolby I is an attenuation landfill and was closed with a soil cover in the 1970s. Dolby I does not generate leachate that is collected or treated.

Dolby II Landfill is a 62-acre attenuation landfill that was initially closed in 1987. The initial closure consisted of covering the waste deposit with a layer of recompacted soil (i.e., till). In the late 1990s, approximately 30 acres of Dolby II was reopened and received additional waste (to achieve acceptable final cover slopes). Those 30 acres (referred to as the Top Area in this TM) were subsequently closed with a soil cover consisting of a mixture of recompacted till and papermill sludge. A layer of drainage sand (also known as a gas sand layer) was placed beneath the soil cover for the Top Area. The purpose of the drainage sand is to control landfill gas emitted by the waste deposit as well as collect and divert water (i.e., precipitation) infiltrating the cover. The perimeter of the gas sand layer includes leachate collection piping that connects to manholes. The manholes in turn connect to buried piping located along the Dolby II perimeter. Leachate from the manholes eventually flows by pipeline to the Dolby leachate pond. The sideslopes of the Dolby II Landfill (approximately 32 acres) were not reopened and do not include a gas sand layer.

DOLBY II TOP AREA (APPROXIMATE)

EXISTING CB

CB #43

CB #42

CB #41

CB #40

CB #39

CB #38

CB #37

CB #36

CB #35

CB #34

CB #33

CB #32

D2S-#1

D2S-#2

D2S-#2A

D2S-#3

D2S-#4

D2S-#5

D2-#1

D2-#2

D2-#3

D2-#4

D2-#5

D2-#6

D2-#7

DOLBY II LANDFILL

DOLBY III LANDFILL

APPROXIMATE LIMIT OF DOLBY III LEACHATE COLLECTION LAYER

D3-#8

CB #45

CB #44

CB #22

CB #23

CB #24

CB #25

CB #21

CB #20

CB #19

CB #18

CB #17

CB #14

CB #13

CB #10

CB #9

CB #8

D3-#1

D3-#2

CB #7

CB #6A

CB #6

CB #5

CB #4

CB #3

CB #2

D3-#4

D3-#5

LEACHATE STORAGE POND

LEACHATE POND UNDERDRAINPUMP STATION

LEACHATE PUMP STATION AND WET WELL

OPERATOR'S TRAILER

LEGEND

CB #43 MANHOLE AND DESIGNATION

APPROXIMATE LANDFILL LIMIT

LEACHATE PIPELINE AND DIRECTION OF FLOW

DOLBY II INTERCEPTOR TRENCH/LEACHATE PIPELINE

FLOW MEASUREMENT LOCATIONS 2018/2019 STUDY

150 0 300 FEET

FIGURE 1
SITE PLAN
LEACHATE FLOW STUDY
DOLBY II & III LANDFILLS

SME
SEVEE & MAHER ENGINEERS

DWG: LEACHATE STUDY LMN: FIGURE 1 CTB: SME-STD REV: 1/16/2020

\\Nserver\cfs\Kpc\Dol\ACAD\LEACHATE STUDY.dwg, 1/16/2020 10:00:13 AM, sjm

A groundwater Interceptor Trench is positioned along the northern and eastern perimeter if the Dolby II Landfill. The Interceptor Trench contains a perforated pipeline that receives leachate and groundwater seepage from the Dolby II Landfill. The Interceptor Trench was originally constructed to control leachate breakouts on the ground surface east of the Dolby II Landfill. Pipes conveying leachate from manholes D2-#1, D2-#2, and D2-#3 (from the Dolby II Top Area) directly connect to the piping in the Interceptor Trench. The Interceptor Trench piping connects to the leachate pond.

Dolby III Landfill is a 68-acre attenuation landfill that stopped receiving waste in 2014. Prior to 2014, filled portions of Dolby III were covered using compacted till (sometimes mixed with sludge) which was underlain by a layer of gas sand. In 2016, 25 acres of Dolby III was covered using a buildup of gas sand, a flexible membrane liner (FML) hydraulic barrier layer, and soil (for vegetative support). As of this TM, approximately 38.5 acres of Dolby III remain covered with the soil cover and approximately 4.5 acres are not covered.

A portion of the Dolby III Landfill includes a leachate collection layer at the base of the waste deposit. The leachate collection layer has an area of approximately 40 acres and is positioned over the lower elevation portions of the landfill's basal area. The leachate collection layer receives vertical seepage from the overlying waste as well as receives shallow groundwater seepage from upslope areas (i.e., Dolby II). The north, south, west, and a portion of the east perimeter of Dolby III include a buried pipeline which receives leachate from the base of the waste deposit as well as infiltration collected as seepage into the gas sand. The Dolby III perimeter piping connects to the leachate pond.

A pipeline underlies the central portion of Dolby III and receives leachate and groundwater seepage from the leachate collection layer as well as from Dolby II manholes D2-#6 and D2-#7 (see Figure 1). Flow in this pipeline is also conveyed to the leachate pond.

The leachate pond at the Dolby Facility consists of a 2-acre, double-geomembrane lined pond with a leak detection layer. The leachate pond receives leachate from the landfill infrastructure discussed above and from an underdrain layer constructed beneath the leachate pond's liner system. The underdrain layer reduces hydrostatic uplift pressures on the liner, which, if not controlled, could float the liner system and possibly cause damage to it. Groundwater seepage collected in the underdrain layer is pumped into the leachate pond's pump station.

Leachate flows into the leachate pond by way of a single, 24-inch diameter pipeline. The 24-inch pipeline connects to a catch basin located at the western perimeter of the Dolby III Landfill. All piped leachate from Dolby II and Dolby III enters that catch basin (i.e., CB #3 on Figure 1) before flowing into the leachate pond. Leachate flows out of the leachate pond through a single 12-inch diameter pipeline. The 12-inch pipeline discharges into a pump station wet well adjacent to the leachate pond. From the wet well, leachate is pumped (under pressure) and then flows by gravity through a 4.2-mile long pipeline to the Town of East Millinocket's wastewater treatment facility.

During times of high leachate flow (i.e., typically during spring runoff), leachate pumping (via the pump station) occasionally needs to be supplemented by hauling leachate (by tank truck) to the wastewater treatment plant. Since the Dolby Facility became state-owned (~August 2011) leachate hauling has

occurred in 2014 (6.2 million gallons [MG]), 2017 (3.0 MG), and 2019 (2.2 MG). Note that the 2014 leachate hauling occurred before 25 acres of Dolby III cover was constructed using an FML hydraulic barrier in 2016.

PRINCIPAL LEACHATE SOURCES

The principal sources of leachate flowing to the leachate pond are as follows:

- Dolby II -Top Area - Precipitation that infiltrates the 30-acre Top Area of Dolby II flows by gravity through the gas sand layer to perforated piping located along the perimeter of the Top Area. The perforated piping connects to manholes D2-#1, D2-#2, D2-#3, D2-#4, D2-#6, and D2-#7 (see Figure 1). Leachate flowing into these manholes is ultimately conveyed by pipeline to the leachate pond.
- Dolby II Interceptor Trench - The Dolby II Interceptor Trench is located along the northern and eastern perimeter of the Dolby II Landfill. The trench mainly collects shallow groundwater and seepage from the sideslopes of the Dolby II Landfill. Perforated piping in the Interceptor Trench delivers the collected seepage and groundwater to the leachate pond.
- Dolby III Leachate Collection Layer – Approximately 40 acres of the Dolby III Landfill's basal area is blanketed by a sand drainage layer with embedded perforated piping. The sand drainage layer and piping act as a collection system for leachate generated by a portion of the Dolby III waste and receives shallow discharging groundwater originating from upslope areas. Leachate and groundwater collected by the leachate collection system are piped to the leachate pond.
- Dolby III Cover – Approximately 43 acres of the Dolby III cover area do not include an FML hydraulic barrier layer and therefore allows infiltration into the existing gas sand layer and underlying waste. Infiltration collected in the gas sand layer seeps to collection piping connecting to perimeter piping located at the outer edge of Dolby III; the perimeter piping flows to the leachate pond. Infiltration which seeps downward through the waste is collected by the leachate collection layer (see above).
- Leachate Pond Underdrain System - The geomembrane lined leachate pond is underlain by a layer of drainage sand (i.e., underdrain). Groundwater seepage collected in the sand layer is pumped into the wet well of the leachate pond's pump station.

LEACHATE FLOW STUDY

The volume of leachate pumped from the leachate pond to the treatment facility is measured using a magnetic flow meter and a flow totalizer, which are located in the Flow Meter Building at the former GNP site. In fall of 2018, SME installed temporary flow measuring devices (i.e., weirs, pressure transducers, and run-time meters) in select leachate infrastructure associated with Dolby II, Dolby III, and the leachate pond to allow estimates of flow from the principal leachate sources to be made.

- Dolby II Top Area - Leachate flow into manholes D2-#1, D2-#2, D2-#3, D2-#4, D2-#6, and D2-#7 makes up the primary leachate contribution from the Dolby II Top Area. (Note manhole D2-#5 flows into D2-#6). Weirs and pressure transducers were installed in the discharge pipes in those

manholes on September 24, 2018. Leachate levels caused by the weir restrictions were measured and used to estimate the flow leaving each manhole.[1]

- Dolby II Interceptor Trench - Leachate flow in catch basin CB #36 is a combination of flow from the Dolby II Interceptor Trench and Dolby II Top Area (i.e., manholes D2-#1, D2-#2, and D2-#3). Subtracting the flow from D2-#1, D2-#2, and D2-#3 from the flow at CB #36 provides the volume of leachate from the interceptor trench. The flow from the interceptor trench is considered to be largely caused by infiltration seepage from a portion of the Dolby II sideslope area.[2]
- Dolby III - Leachate flow from Dolby III includes contributions from the Dolby III leachate collection layer and the gas sand layer of the Dolby III cover where no FML hydraulic barrier is present. The leachate volume from Dolby III was calculated by subtracting the estimated flows from all other principal sources (including the leachate pond underdrain) from the total leachate volume measured at the Flow Meter Building. Determining the Dolby III leachate volume this way was considered most reliable due to the variety of potential leachate drains connecting to the Dolby III perimeter pipeline (which flows to the leachate pond).
- Leachate Pond Underdrain - The groundwater collected in the leachate pond underdrain layer exhibits some of the same water chemistry constituents as measured in the leachate. Water collected in the underdrain layer is pumped to the leachate pond's pump station where it is in turn pumped to treatment with leachate from the leachate pond. The underdrain pump is equipped with a run time meter that allows the volume of water pumped from the underdrain layer to be calculated for the time period(s) of interest.

ANALYSIS OF LEACHATE FLOW DATA

Approximately 67.9 MG of leachate were delivered to East Millinocket wastewater treatment facility during the period of October 1, 2018 through July 31, 2019. Of the 67.9 MG, approximately 65.7 MG were conveyed by the dedicated leachate pipeline from the Dolby leachate pond and 2.2 MG were hauled by tank truck. Table 1 presents the monthly flows measured/calculated for the principal leachate sources during the period of October 1, 2018 through July 31, 2019 (i.e., the flow data collection period).

Review of Table 1 suggests that the flows from the principal leachate sources are generally representative in that the higher flows were observed during wet times of year and the lower flows were observed during dry times of year. Two exceptions to this observation occurred at Manhole at D2-#7.

- The April 2019 flow estimate for Manhole D2-#7 appeared to be low relative to flow estimates for similar manholes D2-#1 through D2-#6. The April data was evaluated, and no specific issues were identified. The low-flow measurement at manhole D2-#7 possibly caused an increase in the calculated flow contribution from the Dolby III cover for April 2019.

[1] On November 3, 2018 a large flow event occurred and the weir in D2-#4 was displaced. The weir was retrieved and reinstalled on December 7, 2018.

[2] On November 3, 2018 a significant flow event occurred, and the weir was displaced. The weir was retrieved on December 7, 2018 but breathing conditions (elevated methane concentrations) within the manhole made reinstalling the weir impractical. Data obtained from CB #36 after November 26, 2018 was estimated based on the depth of water in the manhole relative to the manhole's 18-inch diameter discharge pipe outlet.

TABLE 1

LEACHATE FLOW STUDY
OCTOBER 2018 THROUGH JULY 2019
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

	Estimated Flow Contribution (Gallons)												Leacahte Storage and Treatment Volumes (Gallons)		
	Dolby II										Dolby III				
	Top Area[1]							Interceptor Trench[2]	Top Area and Interceptor Trench Total[3]	Leachate Pond Underdrain[4]	Cover Areas[5]	Leachate Collection Layer[6]	Net Storage in Leachate Pond[7,10]	Treated Volume[8]	Total Volume[9, 10]
Month	D2-#1	D2-#2	D2-#3	D2-#4	D2-#6	D2-#7	Subtotal								
Oct-18	5,210	73,949	34,663	480,544	124,061	49,572	767,998	32,967	800,965	296,100	(268,122)	535,680	(158,561)	1,523,184	1,364,623
Nov-18	101,361	689,371	218,093	1,832,381	657,973	180,912	3,680,090	1,507,578	5,187,668	517,350	1,826,142	518,400	(41,320)	8,090,880	8,049,560
Dec-18	147,651	617,399	101,651	1,119,649	447,074	120,456	2,553,880	(17,669)	2,536,211	553,800	4,381,348	535,680	41,320	7,965,720	8,007,040
Jan-19	101,728	445,824	15,558	486,752	134,275	80,691	1,264,828	(363,764)	901,064	470,400	2,386,092	535,680	40,826	4,252,410	4,293,236
Feb-19	41,209	104,339	3,171	248,738	60,511	5,548	463,517	(146,162)	317,355	345,150	1,994,502	483,840	40,317	3,100,530	3,140,847
Mar-19	50,583	87,957	24,334	549,627	223,558	31,125	967,184	247,270	1,214,454	415,200	2,968,422	535,680	77,418	5,056,338	5,133,756
Apr-19	157,907	568,439	138,804	1,638,556	604,892	75,624	3,184,222	2,146,097	5,330,319	788,700	13,946,180	518,400	(199,881)	20,783,480	20,583,599
May-19	90,115	153,134	33,698	839,990	264,428	230,245	1,611,610	721,890	2,333,500	619,650	7,487,390	535,680	288,960	10,687,260	10,976,220
Jun-19	24,064	81,002	21,141	426,709	90,468	216,450	859,834	302,322	1,162,156	495,600	1,794,400	518,400	(231,304)	4,201,860	3,970,556
Jul-19	13,683	27,208	16,321	256,211	31,660	616,212	961,295	72,994	1,034,289	342,000	622,834	535,680	275,107	2,259,696	2,534,803
Total	733,512	2,848,621	607,434	7,879,157	2,638,900	1,606,834	16,314,458	4,503,524	20,817,983	4,843,950	37,139,187	5,253,120	132,882	67,921,358	68,054,240
					% of Total Leachate Volume		24.0%	6.6%		7.1%	54.6%	7.7%			

Notes:

1. Dolby II Top Area flow estimated from height of water behind weir.
2. Dolby II Interceptor Trench volume estimate calculated as Estimated Flow at CB-36 minus the flow from D2-1, D2-2, and D2-3.
3. Total Flow for Dolby II is sum of Top Area flows and Interceptor Trench Flows.
4. Leacahte Pond Underdrain flow calculated using known flow rate (25 gpm) x Run Time (minutes)
5. Dolby III Cover Infiltration calculated as Total Generated Volume minus Total Dolby II minus Leacahte Pond Underdrain minus Dolby III Seepage.
6. Dolby III basal drainage layer contribution calculated to be 12 gallons per minute (calculated based on assumed soil permeability, flow area, and groundwater gradient).
7. Leacahte Pond storage calculated as pond volume at start of month minus pond volume end of month.
8. Treated Volume is recorded flow from Flow Meter at Treatment Plant plus Trucked Leachate Volume.
9. Total Leachate Volume is Leacahte Pond Storage Volume plus Treated Leachate Volume.
10. Rainfall contribution to leachate pond disregarded as it was calculated to be less than 1% of total leachate volume.

- The July 2019 flow estimate for manhole D2-#7 was high relative to flow estimates at similar Manholes D2-#1 through D2-#6. The high flow measurement for manhole D2-#7 possibly caused a decrease in the calculated flow contribution from the Dolby III cover for July 2019. A floating object was noted in D2-#7 during weir retrieval from that manhole. The floating object may have been the cause of the high flow estimate for July in that the floating object may have encroached on the weir causing higher water levels to be measured in the manhole.

The April 2019 and July 2019 flow data for manhole D2-#7 are considered as offsetting one another and therefore do not significantly affect the overall volume totals shown in Table 1. Note that manhole D2-7 generally represents approximately 2 percent of the overall total volume shown on Table 1.

In addition to the potential flow discrepancies at manhole D2-#7, the interceptor trench flows (measured at CB #36) for November 2018 and April 2019 appear substantially higher compared to the other monthly flows at that same location. The method of flow estimation used for CB #36 may yield inaccurate flows (on the high side) during periods of high flow. Examining the individual monthly flows for the interceptor trench suggests the November 2018 and April 2019 flows could be more on the order of 0.5 MG rather than 1.5 MG and 2.1 MG, respectively. Regardless, the interceptor trench flow represents only a small portion of the combined leachate source flow and therefore does not significantly affect the overall total volume shown in Table 1.

Table 2 is an interpretation of the overall estimated flows from the principal leachate sources shown in Table 1. The flow percentages in Table 2 are reflective of the leachate volumes for the 10-month measuring period. The percentage ranges provided in Table 2 are expected to account for the variation in the measured monthly leachate flows as well as account for the potential errors typical of the flow measuring methods used.

TABLE 2

ESTIMATED CONTRIBUTION FROM PRINCIPAL LEACHATE SOURCES

Source	Estimated Percentage of Total Leachate Volume[1]	Estimated Average Annual Leachate Contribution[2] (million gallons)
Dolby III (areas currently without FML)	50 to 60	33 to 40
Dolby II Top Area	20 to 30	13 to 20
Dolby II Interceptor Trench	5 to 10	3 to 6
Dolby III Leachate Collection Layer	5 to 10	3 to 6
Leachate Pond Underdrain	5 to 10	3 to 6

Notes:
1 Percentage of total volume is based on flows measured from October 1, 2018 through July 31, 2019.
2 Estimated annual leachate contribution is based on average annual leachate volume of 66.3 MG, which is the average of annual leachate volumes since September 2016 when 25 acres of the Dolby III Landfill cover were upgraded.

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EXPECTED IMPACT OF COVER UPGRADES ON LEACHATE GENERATION

Upgrading the covers for the Dolby II and Dolby III Landfills will significantly decrease leachate generation at the facility. The following paragraphs provide the expected leachate reductions if cover upgrades are performed on Dolby III (i.e., the cover areas without the FML hydraulic barrier), the Dolby II Top Area, and/or the Dolby II sideslopes.

Upgrading the cover for the remainder of the Dolby III Landfill will involve approximately 45 acres. Based on analysis of the flows shown in Table 1, a leachate reduction in the range of approximately 33 to 40 MG per year is anticipated once the remainder of the Dolby III Landfill area receives an upgraded FML cover. Once the upgraded cover is in place, recharge to the waste deposit from infiltration will become minimal and a reduction in leachate flow from the Dolby III leachate collection layer will also occur.

Upgrading the cover over the Dolby II 30-acre Top Area is expected to result in a leachate reduction (i.e., leachate from the D2-series manholes) in the range of 13 to 20 MG per year. With the upgraded cover in place, recharge of the Dolby II waste deposit (i.e., the portion beneath the 30-acre Top Area) will also become reduced and drainage of the waste deposit to the underlying groundwater system will become progressively minimalized.

Upgrading the remainder of the Dolby II Landfill cover area (approximately 32 acres of sideslope) will reduce a portion of the Interceptor Trench flows as well as reduce recharge of the local groundwater system in the area beneath the Dolby II sideslopes. Leachate collection by the Interceptor Trench (and the resulting leachate piped to the leachate pond) as result of upgrading the sideslope cover is expected to range from 3 to 6 MG per year. It should be noted that the Interceptor Trench was not constructed to capture all leachate seepage from the Dolby II sideslopes, but rather only enough to avoid occurrence of leachate breakouts to the natural ground surface along the perimeter of Dolby II. Hence, some seepage into and/or out of the Interceptor Trench relative to the natural surroundings is expected depending on groundwater table position (e.g., spring seepage into the trench, fall seepage out of the trench). Upgrading the Dolby II cover will also likely reduce groundwater seepage toward the Dolby III Landfill and therefore the groundwater discharge into the Dolby III leachate collection layer will be reduced.

Leachate (collected as groundwater) from the leachate pond underdrain layer is not expected to change significantly as result of cover upgrade(s) at the Dolby Facility. The integrity of the leachate pond liner system is reliant on minimizing hydrostatic uplift pressures on the bottom liner. Accordingly, seepage collected in the underdrain layer will continue to be pumped and the volume of leachate from the underdrain layer will likely not change significantly.

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SUMMARY

The average annual volume of leachate collected and treated from the Dolby Facility, since the 25-acre cover upgrade for Dolby III, is 66.3 MG. Using the mid-range of the volume percentages shown in Table 2 provides the following estimated leachate reductions with respect to upgrading various cover areas at the Dolby Facility:

Action	Estimated Leachate Reduction
Upgrade cover for remainder of Dolby III (43 acres)	36 MG/year
Upgrade cover for Top Area of Dolby II (30 acres)	16 MG/year
Upgrade cover for sideslopes of Dolby II (32 acres)	5 MG/year
Total estimated volume of leachate reduction if all Dolby II and Dolby III covers are upgraded ~57 MG/year	
Total estimated volume of post- cover upgrade leachate to collect and treat ~10 MG/year	