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April 25, 2018

Mr. Lou Pizzuti
State of Maine
Department of Economic & Community Development
State House Station 59
Augusta, Maine 04333-0059

Subject: 2017 Annual Report, Dolby Landfill

Dear Mr. Pizzuti:

This letter transmits two paper copies of the 2017 Annual Report for the Dolby Landfill. In addition, we are sending you a copy of the report via email.

Please contact Matt Muzzy with any questions.

Sincerely,

SEVEE & MAHER ENGINEERS, INC.

Matt Muzzy

Matthew W. Muzzy, P.E.
Principal

cc: Mike Barden, Maine DECD
Brian Pierce, SME

Enclosures

2017 ANNUAL REPORT
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

Prepared for

MAINE BUREAU OF GENERAL SERVICES
DEPARTMENT OF ECONOMIC
AND COMMUNITY DEVELOPMENT
AUGUSTA, MAINE

April 2018

STATE OF MAINE
MATTHEW
W.
MUZZY
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PROFESSIONAL ENGINEER
4/20/18

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TABLE OF CONTENTS

Section No.	Title	Page No.
1.0	**INTRODUCTION**	**1-1**
1.1	Site History	1-1
1.2	Hydrogeologic Setting	1-5
2.0	**2017 LANDFILL ACTIVITY**	**2-1**
2.1	Dolby I	2-1
2.2	Dolby II	2-1
2.3	Dolby III	2-1
2.4	Leachate Pond and Pipeline	2-2
2.5	Access Road and Other Portions of Site	2-3
2.6	Operator Training	2-3
3.0	**2017 LANDFILL OPERATIONS**	**3-1**
3.1	2017 Waste Received	3-1
3.2	Capacity Used and Remaining Capacity	3-1
3.3	Cover Material Usage	3-2
3.3.1	Daily Cover.	3-2
3.3.2	Intermediate Cover.	3-2
3.3.3	Final Cover.	3-2
3.4	Operating Manual Revisions	3-2
3.5	Environmental Monitoring Plan Revisions	3-3
3.6	Spills, Fires, Accidents, and Unusual Events	3-3
3.7	Cell Development Plans	3-3
3.8	Hazardous and Special Waste Handling	3-3
3.9	Inspection Summary	3-3
3.10	System Failures and Repairs	3-4
3.11	Leachate Management	3-5
4.0	**ENVIRONMENTAL MONITORING**	**4-1**
4.1	Monitoring Locations	4-1
4.2	Monitoring Parameters	4-5
4.2.1	Water Quality.	4-5
4.2.2	Landfill Gas.	4-5
4.3	Changes to Environmental Monitoring Program in 2017	4-5
5.0	**WATER QUALITY EVALUATION**	**5-1**
5.1	Groundwater Quality	5-2
5.1.1	Dolby I.f	5-2
5.1.2	Dolby II.	5-3
5.1.3	Dolby III.	5-8
5.2	Surface Water Quality	5-15
5.3	Leachate Quality	5-17
5.4	Data Validation and Quality Control (QC)/Quality Assurance (QA)	5-18

TABLE OF CONTENTS (cont'd)

6.0 EVALUATION OF LANDFILL GAS MONITORING DATA 6-1
6.1 Operator Shack....................6-1
6.2 Dolby III Leachate Pond....................6-1
6.3 Monitoring Well MW-107B....................6-2
6.4 Manholes/Catch Basins....................6-2

7.0 WASTE STREAMS DELIVERED TO LANDFILL 7-1

8.0 FINANCIAL ASSURANCE 8-1

9.0 SUMMARY 9-1

10.0 RECOMMENDATIONS....................10-1

LIST OF APPENDICES

APPENDIX A-1 INSPECTION REPORTS
APPENDIX A-2 PIPELINE AND LEACHATE POND REPORTS
APPENDIX A-3 COMPLIANCE SELF AUDIT CHECKLIST
APPENDIX B WASTE LOGS
APPENDIX C-1 WATER QUALITY DATA SUMMARY TABLES
APPENDIX C-2 WELL EVALUATION DATA SUMMARY SHEETS WITH BOX AND WHISKER PLOTS
APPENDIX C-3 GAS DATA

TABLE OF CONTENTS (cont'd)

LIST OF FIGURES

Figure No.	Title	Page No.

1-1 SITE LOCATION MAP 1-2
1-2 INTERPRETIVE PHREATIC SURFACE 1-6
4-1 WATER QUALITY SAMPLE SITES 4-8
4-2 LANDFILL GAS MONITORING LOCATIONS 4-9
5-1 CELL LAYOUT AND MONITORING WELL LOCATIONS 5-9

LIST OF TABLES

Table No.	Title	Page No.

2-1 LEACHATE PUMP STATION PRE- AND POST-PIPELINE CLEANING FLOW RATE COMPARISON 2-3
4-1 WATER QUALITY SAMPLING LOCATIONS 4-2
4-2 LANDFILL GAS MONITORING LOCATIONS 4-3
4-3 MONITORING WELL DETAILS 4-4
4-4 WATER QUALITY MONITORING PARAMETERS 4-6
7-1 WASTE DISPOSED OF AT DOLBY LANDFILL 7-1

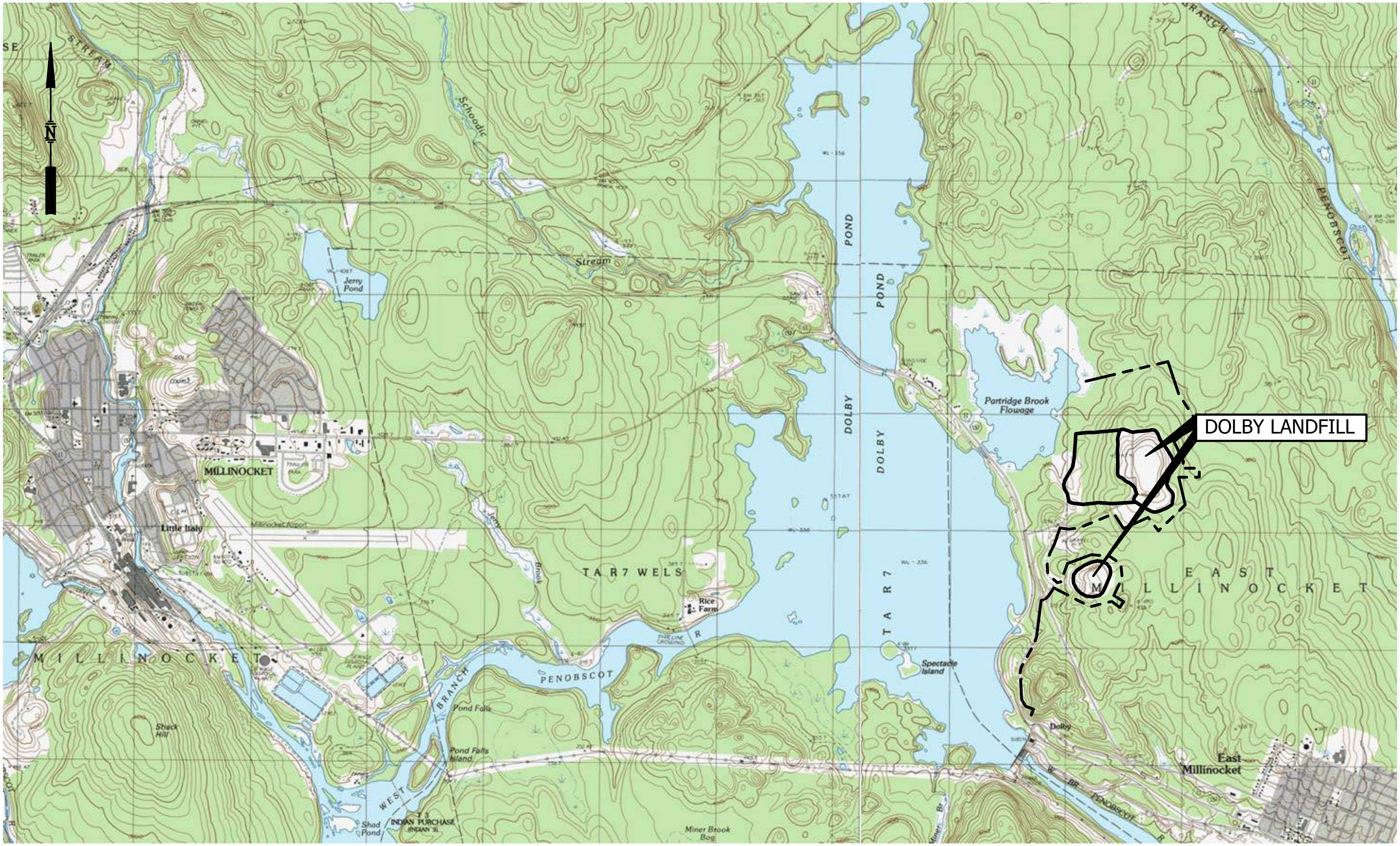
2017 ANNUAL REPORT
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

1.0 INTRODUCTION

The Maine State Department of Administrative and Financial Services, Bureau of General Services (BGS) owns and operates the Dolby Solid Waste Landfill in the Town of East Millinocket, Maine. The Department of Economic and Community Development (MEDECD) administers the landfill operations for BGS. The site operates under a permit first obtained from the Maine Department of Environmental Protection (MEDEP), Board Order # L000796-07-A-N to Great Northern Paper (GNP) dated June 1984. Subsequent license amendment orders transferred the Dolby Landfill permits to Katahdin Paper Company (April 2003) and 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 of the previous year's operations for the Dolby Landfill. This annual report has been prepared by Sevee & Maher Engineers, Inc. (SME) to fulfill the 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 and occupies about 23 acres 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 Millinocket and East Millinocket mills. The wastes were received at Dolby I from 1975 to 1979. Final cover was placed over Dolby I in 1980 to 1981.



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

2000 0 4000 FEET

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

SME
SEVEE & MAHER
ENGINEERS

DWG: SITE LMN: SITELOC CTB: SME-STD REV: 4/17/18

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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 Millinocket and East Millinocket mills. Waste placement in Dolby II occurred between 1979 and 1986. Final cover was placed over the Dolby II waste in 1987. At that time, the crown of Dolby II was graded to a minimum five percent slope. Over time, the waste materials in Dolby II settled creating a relatively flat crown area. In 1996, GNP (the landfill owner at that time) applied for an application amendment for a vertical increase on top of the Dolby II Landfill (MEDEP Order #S-000796-WD-AC-A). The final cover on the crown area of Dolby II was removed and additional waste placed in two stages, north, and the south to enhance runoff. The waste placement regrading and covering occurred between 1996 and 1999, after which, final cover was placed over the regraded crown area in 1999.

Construction of Dolby III initiated in 1984 and a license renewal for the facility was submitted in 1989 (SME, 1989). Dolby III occupies about 68 acres and has been operated in cells. The landfill consists of 17 waste cells; all of which have been closed. The original waste streams at Dolby III were wastewater treatment sludge, woodroom/woodyard waste, wood ash, general rubbish from the 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 (then-active) Signal Sherman biomass power boiler (MEDEP Order #L-000796-07-A-N). From 1988 to 1993, Dolby III received ash left from burning demolition debris and brush piles from 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 minor license revision (S-000796-WT-AM-N) for the one-time disposal of approximately 1,000 cubic yards of secondary wastewater treatment plant residuals from the Town of Millinocket. On January 18, 2012, the MEDEP approved a minor license revision (S-000796-WU-AL-N), which allowed for the disposal of petroleum-contaminated soils from sources other than GNP.

In April 2016, BGS submitted an application for landfill Cover Upgrade Plan to the MEDEP in an effort to reduce the volume of leachate generated at the Dolby facility. In April 2016, the MEDEP issued a minor license revision (#S-000796-WO-AO-N) to allow the landfill Cover Upgrade. The landfill cover upgrade project includes construction of an upgraded cover system over the Dolby III waste deposit and possibly over portions of the Dolby II Landfill. 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, and
- A 14-inch cover soil layer
- A 4-inch vegetative soil layer

In 2016, approximately 26 acres of cover upgrade were constructed on Dolby III Landfill. As of the end of 2016, all but approximately 2 acres of the Dolby III Landfill had been covered with the original soil final cover or the upgraded cover system. Approximately 43 additional acres of landfill cover upgrade are intended for construction on Dolby III pending additional legislative funding.

The Dolby III leachate pond was constructed in 1984 and reconstructed in 2007. The present Dolby III leachate pond is a double-synthetic lined facility with a leak detection system between the primary and secondary liners. Leachate is pumped from the pond and flows via pipeline to the (former) GNP wastewater treatment plant in East Millinocket. This leachate pipeline was constructed in 1995 and included approximately 18,950 linear feet of pipeline. Approximately 16,750 linear feet of the pipeline was constructed below ground and the remaining 2,200 linear feet of the pipeline was installed above ground and ran through the GNP Mill facility. In 2014, the then Millinocket Mill owner (i.e., Hackman Capital Partners) indicated they intended to demolish the buildings and infrastructure that supported the leachate pipeline. On August 7, 2015, MEDEP approved solid waste order minor revision (S-000796-WD-AN-M) for relocation of the leachate transport pipeline. The approved relocation included construction of approximately 2,955 linear feet of below ground leachate piping which discharges directly to the Mill’s Emergency Primary Lagoon outlet structure. The relocation work began on September 1, 2015 and the relocated pipeline was put into service on November 11, 2015. A Construction Documentation Report for the leachate transport pipeline relocation was submitted to the MEDEP on December 29, 2015.

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, in general, 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 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 area consists 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 determined to range from approximately 10^{-4} to 10^{-7} 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 determined to generally range from 10^{-4} to 10^{-8} cm/sec.

Groundwater in the soils underlying Dolby III generally flows to the west. The site setting creates a hydrologic condition of upward hydraulic gradients (groundwater discharge conditions) in the lower half of the 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 phreatic surface map for the shallow groundwater and deeper bedrock groundwater flow regimes in the vicinity of Dolby III based on June 2017 groundwater elevation data.

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 2017 BY SEVEE & MAHER ENGINEERS, INC.

LEGEND

MW-401A,B	MONITORING WELL LOCATION
(A)367.80 (B)364.75	WATER LEVEL ELEVATION MEASURED AT MONITORING WELL LOCATION
410	INTERPRETED PHREATIC SURFACE CONTOUR FOR SHALLOW GROUNDWATER
410	INTERPRETED PHREATIC SURFACE CONTOUR FOR BEDROCK GROUNDWATER

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

SME
SEVEE & MAHER
ENGINEERS

DWG: PhreaticSurface LMN: Phreatic-June 2017 CTB: Phreatic REV: 4/17/18

\\Nserver\cfs\Kpc\Dol\ACAD\WaterSampleSites\PhreaticSurface.dwg, 4/17/2018 4:08:20 PM, paf

2.0 2017 LANDFILL ACTIVITY

2.1 Dolby I

The Dolby I Landfill, located south of Dolby III, is a closed landfill. No activity occurred at Dolby I in 2017. A copy of the 2017 inspection reports for Dolby I can be found in Appendix A-1.

2.2 Dolby II

The Dolby II Landfill, located east of Dolby III, is a closed landfill. Based on quarterly landfill inspections conducted by SME in 2017, the Dolby II Landfill is in general compliance with its closure plans and MEDEP permit. A copy of the 2017 inspection reports for Dolby II can be found in Appendix A-1.

2.3 Dolby III

Waste disposal operations in Dolby III were minimal in 2017 and consisted of only 484 cubic yards of waste placed. The 2017 waste included:

- 91 cubic yards of wood ash from the Town of East Millinocket's Transfer Station,
- 232 cubic yards of wood ash from the Town of Millinocket Transfer Facility,
- 132 cubic yards of wood ash from the Town of Medway Transfer Facility, and
- 26 cubic yards of sludge cover material from the Town of Millinocket Wastewater Treatment Plant
- 3 cubic yards of miscellaneous waste from by Dolby leachate pipeline and pond cleaning (PPE, rags, and piping used in cleaning operations)
- An unspecified (small) amount of leachate pond and pipeline cleaning sediments.

The waste described above was placed within a bermed containment areas on the top of the southeast corner of the Dolby III landfill. Plans for this bermed disposal area were submitted to the MEDEP on July 31, 2017 and approved by the MEDEP on August 3, 2017. Prior to waste placement, landfill cover soils were removed from the disposal area and used to construct the berm around the disposal area (approximately 140 feet x 140 feet). Cover soils were replaced over the disposal area after all waste was disposed of. Based on the quarterly landfill inspections conducted by SME, the Dolby III Landfill is in general compliance with the facility's cell development, closure plan, and MEDEP permit. Copies of the 2017 quarterly inspection reports for Dolby III can be found in Appendix A-1.

2.4 Leachate Pond and Pipeline

Leachate collected from the Dolby II and III Landfills flows by gravity pipeline to the Dolby III leachate storage pond where it is pumped via a force main and gravity line to the wastewater treatment plant at the former GNP East Millinocket Mill. Leachate pond and pipeline work activities completed in 2017 included:

- Tree clearing within the pipeline right-of-way was completed in 2017.
- The entire pipeline was cleaned in late August 2017. The process is described in detail in Appendix A-2. The pipeline flow rates were compared before and after cleaning and have been summarized in Table 2-1.
- New air pressure/vacuum release valves were installed in Manholes 3, 4, 13, 16, 18, 19, and 20 (seven total) replacing one of the two existing air pressure/vacuum valves that were in each manhole.
- Leachate pond was cleaned on August 21, 2017 through August 24, 2017. Inspection of the liner surface was performed in August 24, 2017. One hole and several scratches in the geomembrane were noted in the leachate pond's primary geomembrane. The hole and scratches were repaired by RTD of Madison, Maine on August 25, 2017. The Leachate Pond Inspection memo is included in detail in Appendix A-2.

TABLE 2-1

LEACHATE PUMP STATION
PRE- AND POST-PIPELINE CLEANING FLOW RATE COMPARISON

Pump No.	Pre-Cleaning Flow (gpm)	Post-Cleaning Flow (gpm)	Change in Flow (gpm/%)
1	460	650	190 / 41
2	460	675	215 / 47
1 & 2	500	850[b]	350 / 70

Notes:
a. Pre and Post- cleaning flow evaluations were performed at similar leachate pond elevations to obtain comparable results
b. Flow rate data provided by Mid-South Engineering, Inc.
c. Precleaning flows from August 7, 2017 and post-cleaning flows are from September 19 and 25, 2017.

2.5 Access Road and Other Portions of Site

Annual road maintenance was not performed in 2017 as the road was observed to be in good condition.

2.6 Operator Training

No operator training was conducted in 2017, as agreed to by MEDEP. Annual operator training was conducted by SME in 2011, for the landfill construction subcontractor, local technical support subcontractor, and the environmental staff. Minimal waste placement has occurred in the landfill since 2011.

3.0 2017 LANDFILL OPERATIONS

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

- Sheridan D. Smith, Inc. (Smith) of Chester, Maine to perform daily operations activities, including waste placement and compaction;
- Sheridan D. Smith, Inc. (Smith) of Chester, Maine to construct the temporary containment and disposal area for leachate pipeline and leachate pond cleaning sediments and then reconstructing the cover system over the area after sediment disposal was complete;
- ACV Enviro of Skowhegan, Maine to perform leachate pond and pipeline cleaning;
- Mid-South Engineering, Inc. (MSE) of Millinocket, Maine to act as local technical support to perform routine inspections of the landfill, leachate pond, and leachate transport line;
- Blaine McLaughlin of Medway, Maine to mow the pipeline right-of-way and to finish clearing trees along the leachate pipeline; and
- Katahdin Analytical Services provided laboratory analysis of groundwater and surface water as required by the facilities Environmental Monitoring Plan.

3.1 2017 Waste Received

The waste log for Dolby III for year 2017 (by waste stream) is attached as Appendix B. The waste quantities shown on the log are based on truck count.

3.2 Capacity Used and Remaining Capacity

Aerial survey of Dolby III Landfill was performed by Aerial Survey and Photo of Norridgewock, Maine on October 15, 2015. Based on that aerial survey, the estimated waste storage volume remaining in Cells 15 and 16 was approximately 90,000 cubic yards and the volume in Cell 17 was approximately 245,000 cubic yards (See Section 3.7). This capacity is no longer available in that Cells 15, 16, and 17 were permanently closed and covered in 2016.

3.3 Cover Material Usage

3.3.1 Daily Cover. The Dolby Landfill typically utilizes sludge and/or wood waste as soil daily cover for the landfill operations. In 2017, no soil daily cover was placed due to the minimal volume of other waste placed in the landfill.

3.3.2 Intermediate Cover. Historically, intermediate cover for the Dolby III Landfill has consisted of, from the bottom up, a 6-inch thick layer of sand, followed by a 15-inch thick layer of a sludge/till mixture. There was no intermediate cover placed in 2017.

3.3.3 Final Cover. Landfill areas not slated for any further waste placement have historically received a final cover consisting of, from the bottom up, a 12-inch thick layer of sand, followed by a 24-inch-thick layer of a sludge/till mixture. Approximately 25 acres of Final Cover Upgrade was constructed in 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. No Final Cover was placed in 2017.

3.4 Operating Manual Revisions

The Operating Manual for the Dolby Landfill was last revised and 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 the MEDEP in May 2017.

3.5 Environmental Monitoring Plan Revisions

The Environmental Monitoring Plan (EMP) for the Dolby Landfill was last revised and submitted to the MEDEP in April 2012. No changes to the EMP occurred in 2017.

3.6 Spills, Fires, Accidents, and Unusual Events

There were no fires, chemical spills, accidents, or unusual events reported in 2017.

3.7 Cell Development Plans

The Operating Manual for Dolby III Landfill provides a sequence of development for the facility. The sequence has been followed since start-up of the landfill, however, final landfill cover upgrades constructed over the majority of the open areas of the Dolby III Landfill have essentially ended all cell development.

3.8 Hazardous and Special Waste Handling

There was no waste received at Dolby III in 2017 that qualified to be under the Hazardous and Special Waste Handling Plan.

3.9 Inspection Summary

In 2017, the landfill operations occurred on the top southeast corner of Dolby III. The landfill operations proceeded in an organized manner and followed the procedures specified in the facility's Operating Manual. Landfill inspections were conducted by SME personnel on May 19, August 24, and October 26, 2017.

Manholes and catch basins at the site are visually inspected once every three years. A visual inspection site of the manholes, catch basins, and piping around Dolby II and III was completed by SME on October 26, 2017. The landfill and catch basin inspection reports are included in Appendix A-1.

A visual inspection of the landfill leachate pond was completed by SME on August 24, 2017. The landfill leachate pond inspection memorandum including MEDEP's response is included in Appendix A-1.

Following MEDEP guidance, a compliance self-audit checklist for the Dolby III Landfill is completed by BGS on an annual basis. This completed checklist for 2017 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 that the majority of the water contributing to the increased leak detection flows was from groundwater leaking through the secondary liner system into the leak detection system rather than from leachate leaking through the primary liner system.

Leak detection flows above the facility's approved Action Leakage Rate (ALR) were noted on March 9 and 10, 2015. Investigation into the cause of the leakage found that the water in the existing leachate pond underdrain pump sump had frozen and was holding the float switch down and the pumps off. The ice within the underdrain pump station was removed and the pump was allowed to operate.

Leak detection flows decreased to levels less than the approved ALR after all equipment repairs had been made.

Approximately 299 gallons of leachate were pumped by the leak detection system in 2017. 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 generated from the Dolby III Landfill is collected by a series of perforated pipes and catch basins which flow via gravity to a lined pond for temporary storage. Prior to November 1995, the leachate was pumped from the pond into tank trucks and hauled to the wastewater treatment plant at the former GNP East Millinocket Mill. Since November 1995, the leachate has been pumped through a pipeline constructed from the Dolby Landfill to the wastewater treatment plant at the East Millinocket mill site. Approximately 73.4 million gallons of leachate were pumped from the pond to the treatment plant in 2017. A cumulative total of approximately 1.93 billion gallons of leachate have been treated since the start-up of Dolby III in May 1986.

4.0 ENVIRONMENTAL MONITORING

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

4.1 Monitoring Locations

Tables 4-1 and 4-2 list the water 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. Landfill gas monitoring is also competed three times per year: spring, summer, and fall. The water quality parameters, methods, and standards used for the Dolby Landfill environmental monitoring are summarized in the Environmental Monitoring Plan (EMP) prepared specifically for the Dolby Landfill facility (SME, 2012).

TABLE 4-1

WATER QUALITY SAMPLING 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 South 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 2017 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 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 2017.

4.2.2 Landfill Gas. The landfill gas monitoring program includes the measurement of methane and hydrogen sulfide concentrations. In 2017, the landfill gas measurements were made using a Landtec GEM™ 2000 portable gas analyzer that was designed specifically for use at landfills to monitor landfill gas presence.

4.3 Changes to Environmental Monitoring Program in 2017

There were no changes to the EMP in 2017. The Dolby leachate pond (LP) was sampled for Volatile Petroleum Hydrocarbons (VPH) and Extractable Petroleum Hydrocarbons (EPH) during all three monitoring events in 2017.

It should be noted that in the past, certain 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 earlier 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

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					
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)
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	(4)	X(3)		X(2)
Extractable Petroleum Hydrocarbons (EPH)	MADEP EPH Method	(5)	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 sampled for VPH and EPH during all three monitoring events in 2013 in accordance with recommendations by MEDEP in the memo from Richard Heath.
3. Monitoring wells MW-301, MW-302B, and MW-302C sampled for VPH and EPH once a year (fall).
4. The individual compounds reported for the VPH analysis have reportable detection limits (RDLs) from 0.2 to 5.0 µg/L.
5. The individual compounds reported for the EPH analysis have reportable detection limits (RDLs) from 0.2 to 1.0 µg/L.

Abbreviations:
NA = Not Applicable

AERIAL PHOTO DATED JULY 8, 2008

LEGEND

GROUNDWATER WELLS

SURFACE WATER SITES

500 0 1000 FEET

FIGURE 4-1
WATER SAMPLE SITES
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

SME
SEVEE & MAHER
ENGINEERS

DWG: AERIAL-2008 LMN: WAT SAMPL SITES WO CTB: SME-STD REV: 4/17/2018

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AERIAL PHOTO DATED JULY 8, 2008

500 0 1000 FEET

LEGEND

SAMPLE LOCATIONS

EXISTING MANHOLE/CATCH BASIN

FLOW DIRECTION OF LEACHATE COLLECTION SYSTEM

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

SME
SEVEE & MAHER ENGINEERS

DWG: AERIAL-2008 LMN: CB GAS MONITOR CTB: SME-STD REV: 4/17/2018

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5.0 WATER QUALITY EVALUATION

Water quality at the Dolby Landfill has been monitored since 1982. Summary tables of the historical water quality data including the 2017 monitoring period are presented in Appendix C-1**.** Detailed review of the data by sampling location is contained on the well evaluation data summary sheets presented in Appendix C-2. The data summary sheets include the concentrations for selected water quality parameters analyzed during the 2017 monitoring period, along with the mean and range of the historical record for those same parameters. Also identified on the data summary sheets are 2017 parameter values that exceed a historical minimum or maximum value, as well as values that exceed applicable State or Federal water quality guidelines or standards.

The groundwater data for 2017 was evaluated on a well-by-well basis by comparison to Federal and State of Maine drinking water standards and guidelines, respectively; 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 2017 water quality samples were evaluated to determine if there were notable changes in concentrations of chemical parameters in groundwater and surface water when compared to historical data.

As part of the evaluation of the water quality data, 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 in the box and whisker plots in Appendix C-2. These plots provide a useful means to depict annual and seasonal variation in the data, and help to identify data trends over the entire sampling record. A fast Fourier transform (FFT) of the mean values was performed as part of the trend analysis where sufficient historical rounds of data were available. The results of the FFT were superimposed on the box and whisker plots in Appendix C-2.

An interpretation of the water quality data is presented in Sections 5.1 through 5.3. Noteworthy observations for the 2017 monitoring period, such as large deviations in parameter concentrations from last year's values, occurrence of a new maximum or minimum concentrations at a location, and/or visibly apparent data trends, have been identified and reported herein. Monitoring locations not specifically mentioned in this section had data that were generally consistent with previous years and exhibited no observable trends and no notable occurrences of high parameter values. The data presented in the following sections was grouped by well location relative to the general directions of groundwater flow at the landfill.

5.1 Groundwater Quality

5.1.1 Dolby I. Monitoring wells MW-103 and MW-113 monitor bedrock groundwater quality upgradient and downgradient of the Dolby I Landfill, respectively. Dolby I has been closed for more than 30 years and has consequently been removed from the Environmental Monitoring Program (EMP) for the Dolby facility.[1] To supplement the water quality monitoring for the overall landfill site, field parameters are monitored at MW-103 and MW-113. Notable observations in the 2017 water quality include:

- Well MW-103 yielded an insufficient quantity to collect a sample during the summer monitoring event, likely due to lower than normal precipitation in July and August 2017. Field parameter concentrations in upgradient well MW-103 for spring and fall 2017 were within their historical ranges. There was a visibly apparent decreasing trend in dissolved oxygen concentration from 2005 to 2014. Dissolved oxygen concentrations ranged from 0.1 mg/L in the spring to 1.5 mg/L in the fall, with an average annual concentration of 0.8 mg/L. Dissolved oxygen concentrations were elevated in 2017 relative to 2014 values, but were consistent with the concentrations measured in 2016 and 2015 and within the historical range for this location.
- At downgradient well MW-113, the 2017 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 upgradient well MW-103. A continued decreasing trend in specific conductance, which began in 2002

continued in 2017, with the 2017 annual average value reduced by approximately 39 percent (1,500 to 914 μmhos/cm) over that 15-year period.

5.1.2 Dolby II.

Nine monitoring wells positioned around the Dolby II Landfill were sampled for water quality in 2017 and included one upgradient monitoring well (MW-104B) and eight downgradient 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 outside the northern, southern, and eastern borders of the Dolby II Landfill.

5.1.2.1 Upgradient Monitoring Well

Monitoring well MW-104B monitors bedrock water quality to the south of the Dolby II Landfill. This monitoring well is located a sufficient distance from the landfill and is not considered to be influenced by Dolby II based on the interpreted direction of groundwater flow at the site. Notable observations in the 2017 upgradient water quality include:

- At MW-104B, the 2017 water quality data was consistent with historical data at this location, with no new historical high or low concentrations measured in 2017. The downward trend for manganese measured since 2000 showed one anomaly in 2017. No other distinct upward or downward data trends have been identified at this location. During the summer 2017 sampling event, the concentration of iron exceeded the laboratory reporting limit for the first time since 2012. Iron concentrations were below the laboratory reporting limit during the spring and fall monitoring events. None of the parameters at this location exceeded MCLs or MEGs in 2017.

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

5.1.2.2 Downgradient Monitoring Wells.

Monitoring well MW-202AR is screened in the deep bedrock, while its companion well MW-202B is set at the interface of the 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 2017 water quality at these locations include:

- In 2017, water quality parameter concentrations downgradient and to the east of Dolby II were generally greater than levels found in the upgradient well (i.e., MW-104B) with the exception of sulfate, pH and dissolved oxygen.
- At MW-202AR, the 2017 water quality data was generally consistent with historical data for that location, with the exception of specific conductance which was measured at new historical low values in the spring and fall. No new historic high concentrations were reported in 2017. 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 MW-104B. Specific conductance, magnesium, manganese, TDS, and TOC indicated downward trends in MW-202AR between 2008 and 2017. Increasing trends apparent in MW-202AR since 2008 for arsenic, iron, and ammonia concentrations appear to be slowing or reversing in 2017.
- At MW-202AR, arsenic, manganese, and sodium exceeded their MEGs of 0.01 mg/L, 0.5 mg/L, and 20 mg/L, respectively, during each monitoring event in 2017. No other parameters analyzed at this location exceeded MCLs or MEGs in 2017.
- Monitoring well MW-202B is a shallow companion well to MW-202AR. Spring and fall samples were obtained from MW-202B in 2017, but insufficient water was present for obtaining the summer sample. The parameter concentrations historically measured at MW-202B mimic

similar patterns to those apparent at MW-202AR, but at generally lower concentrations and with more temporal variability.

- At MW-202B, the 2017 water quality data was consistent with historical data at this location, with the exception of potassium which was measured at a new historical high concentration during the fall monitoring event. Sulfate concentrations increased in 2017 after following a decreasing trend since 2003. Manganese exceeded its MEG for the spring and fall 2017 monitoring events. Sodium exceeded the MEG of 20 mg/L during the fall 2017 monitoring event. No other parameters analyzed at MW-202B exceeded MCLs or MEGs in 2017.

Monitoring well pairs MW-205A and MW-205B, MW-206A and MW-206B, MW-303A and MW-303B are interpreted to monitor northwesterly groundwater flow near the northern boundary of the Dolby II Landfill. The "A" designated wells monitor water quality conditions in the bedrock, while the "B" designated wells monitor groundwater in the overburden (i.e., glacial till). Notable observations in the 2017 water quality at these locations include:

MW-205A

- Parameter concentrations at MW-205A are characteristic of groundwater conditions downgradient of an unlined landfill and shows elevated concentrations of specific conductance, metals, and inorganic parameters as compared to upgradient monitoring well MW-104B.
- At MW-205A, a historical low concentration of manganese was measured during the spring monitoring event. Historical low concentrations of TOC were measured during the summer and fall monitoring events. A historical high pH value was measured during the fall monitoring event. All other parameters monitored during 2017 were consistent with the historical data at this location.
- At MW-205A, manganese and sodium exceeded their MEGs of 0.5 mg/L and 20 mg/L, respectively during each of the 2017 monitoring events. No

other parameters analyzed at this location exceeded MCLs or MEGs in 2017.

MW-205B

- At MW-205B, new historic low concentrations of sulfate were measured during the 2017 summer and fall monitoring events. A historical high pH value was measured during the fall monitoring event. Historically decreasing trends continued or have flattened in 2017 for specific conductance, calcium, magnesium, sodium, TDS, sulfate, hardness, bicarbonate, and alkalinity. No increasing trends were identified at MW-205B through 2017.

MW-206A

- Monitoring well MW-206A has parameter concentrations characteristic of groundwater conditions downgradient of an unlined landfill and shows elevated concentrations of specific conductance, metals, and inorganic parameters as compared to upgradient monitoring well MW-104B. No new historical high or low concentrations were measured at MW-104B during 2017. The increasing concentration trends measured in 2016 appear to be diminishing in 2017 for several parameters including: alkalinity, ammonia, arsenic, bicarbonate, calcium, hardness, iron, magnesium, manganese, potassium, specific conductance, sodium, TDS, and TSS; and
- At MW-206A, arsenic, iron, manganese, and sodium exceeded their MEGs of 0.1 mg/L, 5 mg/L, 0.3 mg/L, and 20 mg/L, respectively, during the three monitoring events in 2017. . Ammonia exceeded its MEG of 30 mg/L in the summer and fall of 2017. No other parameters analyzed at this location exceeded MCLs or MEGs in 2017.

MW-206B

- MW-206B was dry during the summer monitoring event in 2017. At MW-206B, parameters monitored during 2017 were generally consistent in concentration with historical data for this location, with the exception of manganese which was measured at a new historical low concentration during the spring monitoring event. Parameter concentrations measured at this location show substantially less landfill influence, if any, when compared to the same parameters in deeper companion well MW-206A. No trends are apparent based on the 2017 results. None of the parameters analyzed at this location exceeded MCLs or MEGs in 2017.

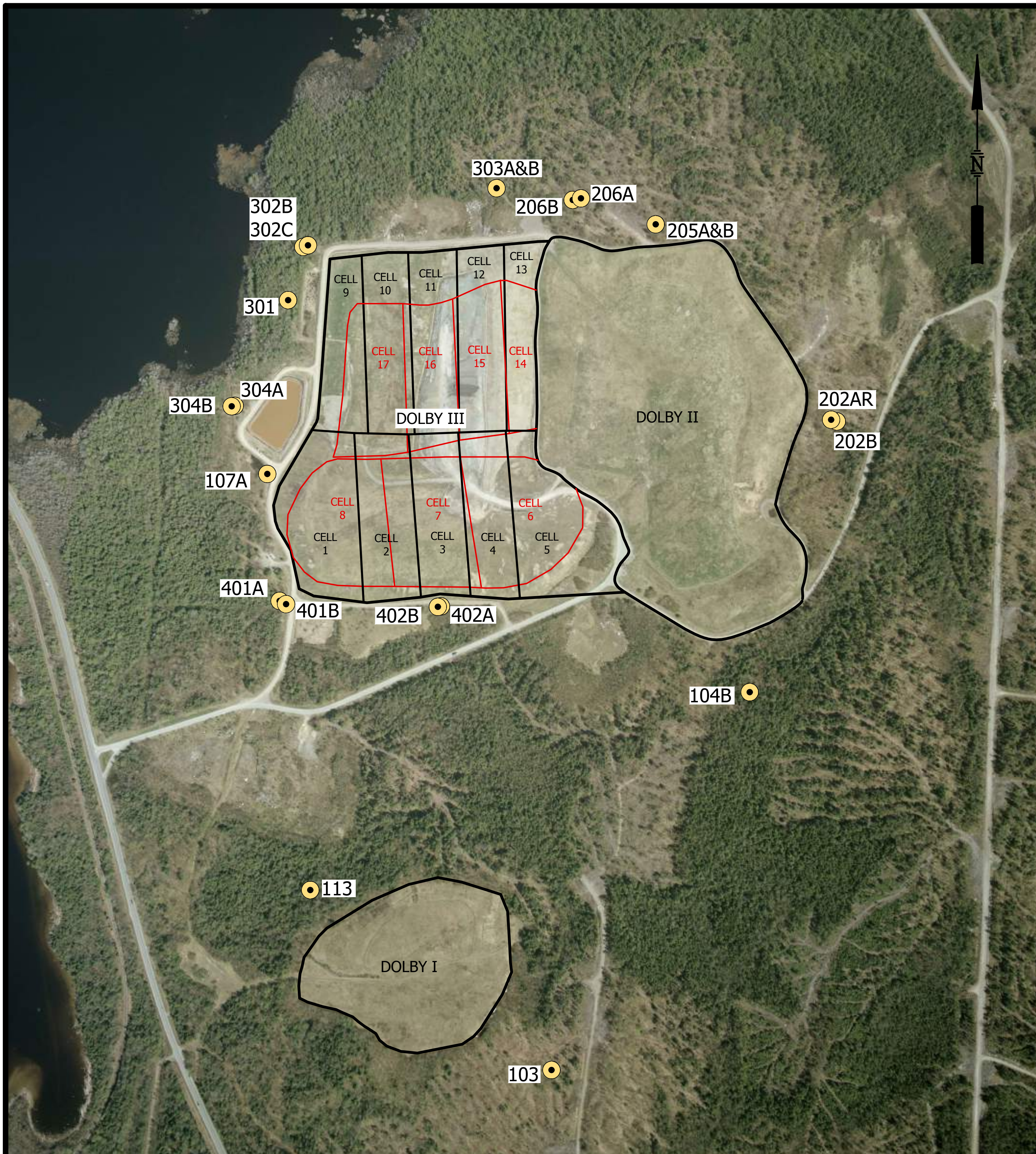
MW-303A

- Comparison of the annual means for the water quality data from MW-303A and MW-303B indicate that similar groundwater conditions exist in the bedrock and overburden at that location. Parameter concentrations at both MW-303A and MW-303B are characteristic of groundwater conditions downgradient of an unlined landfill, showing 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 is apparent in the bedrock.
- At MW-303A, parameter concentrations during 2017 were generally consistent with historical concentrations for that location, with no new historical high or low concentrations measured in 2017. Decreasing trends since approximately 2000 to 2005 continued or lessened through 2017 at MW-303A for ammonia, TDS, specific conductance, alkalinity, bicarbonate, calcium, chloride, hardness, magnesium, potassium, and sodium. Iron concentrations were above the laboratory report limit for the first time since 2013 during the summer and fall monitoring events.
- At MW-303A, manganese exceeded its MEG (0.5 mg/L) during each of the three 2017 monitoring events. No other parameters analyzed at this location exceeded MCLs or MEGs in 2017.

MW-303B

- At MW-303B, noticeable seasonal variation over the monitoring record has been observed for parameters including, specific conductance, calcium, magnesium, hardness, sodium, TOC, and chloride.
- Parameter concentrations during 2017 were generally consistent with historical concentrations for that location, with no new historical high or low concentrations measured in 2017. Decreasing trends since approximately 2000 to 2005 continued or lessened through 2017 at MW-303B for TDS, ammonia, sulfate, potassium, specific conductance, sodium, calcium, chloride, hardness, magnesium, manganese, bicarbonate, and alkalinity. At MW-303B, manganese exceeded its MEG (0.5 mg/L) during each of the three 2017 monitoring events. No other parameters analyzed at this location exceeded MCLs or MEGs in 2017.

5.1.3 Dolby III. Ten monitoring wells were sampled around the Dolby III Landfill during 2017. Figure 5-1 shows the location of the 10 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 along 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 west to southwestern perimeter of the Dolby III Landfill. Three monitoring wells (MW-301, MW-302B, and MW-302C) are located adjacent to the northwestern portion of Dolby III downgradient of Cells 9 through 16. Monitoring wells MW-304A and MW-304B are located near the northwest side of the Dolby III Landfill leachate pond, to the west and downgradient of the landfill. Because of the location of the Dolby III Landfill relative to the Dolby II Landfill, the Dolby III monitoring wells are also hydraulically downgradient of Dolby II based on the interpreted groundwater flow directions at the site. In addition, because of the Dolby II and III Landfills' close proximity to each other, the monitoring well interpreted to be upgradient of Dolby II (MW-104B) also serves the same function for Dolby III.



LEGEND

GROUNDWATER WELLS

400 0 800 FEET

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

SME
SEVEE & MAHER ENGINEERS

DWG: AERIAL-2008 LMN: FIGURE 5-1 CTB: SME-STD REV: 4/12/2018

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5.1.3.1 Cross-gradient Monitoring Wells.

Monitoring well pair MW-402A and MW-402B monitor bedrock and overburden groundwater quality, respectively, cross gradient of Cells 3A and 3B relative to the southern portion of Dolby III. Notable observations in the 2017 water quality include:

- At MW-402A, water quality has generally remained consistent with historical data throughout its monitoring history. Parameter concentrations suggest limited groundwater degradation may be occurring at this location. TDS, specific conductance, alkalinity, bicarbonate, calcium, chloride, hardness, sulfate, magnesium, manganese, and sodium, have shown increasing trends through 2017. No other upward or downward trends have been identified. None of the water quality parameters analyzed at this location exceeded MCLs or MEGs in 2017.
- At MW-402B, several parameter concentrations are approximately five times greater than in the deeper MW-402A monitoring well. Parameter concentrations in 2017 were within the range of historical values at MW-402B, with no new historical high or low concentrations. Concentrations of several parameters (dissolved oxygen, sulfate, TOC, and chloride) exhibit decreasing concentration trends over the last several years.
- At MW-402B, manganese and sodium exceeded their MEG of 0.5 mg/L and 20 mg/L, respectively, during the three monitoring events in 2017. None of the other parameters analyzed at this location exceeded MCLs or MEGs in 2017.

5.1.3.2 Downgradient Monitoring Wells.

Monitoring wells MW-107A, MW-401A, and MW-401B serve as downgradient wells for Dolby III Landfill Cells 1 through 8. The two wells designated with the “A” suffix are screened in bedrock, while the MW-401B well is set in overburden. Notable observations in the 2017 water quality downgradient of Cells 1 through 8 include:

- Elevated parameter concentrations at the MW-107A, MW-401A, and MW-401B locations are not unexpected in the groundwater as the landfill was designed and permitted without a liner. This is evidenced by elevated specific conductance, metals, and inorganic parameters at MW-107A, MW-401A, and MW-402B when compared to the upgradient well for the landfill.

MW-107A

- At MW-107A, parameter concentrations during 2017 were generally consistent with historical concentrations for this location, with the exception of manganese which was measured at a historical high concentration during the spring monitoring event.
- Concentrations increased in 2017 for several parameters including TDS, specific conductance, dissolved oxygen, calcium, magnesium, manganese, potassium, sodium, hardness, bicarbonate, TOC, and chloride.
- At MW-107A, manganese and sodium exceeded their MEGs of 0.5 mg/L and 20 mg/L, respectively, during the three 2017 monitoring events. No other parameters analyzed at this location exceeded MCLs or MEGs in 2017.

MW-401A

- At MW-401A, parameter concentrations were generally consistent with historical data at this location, with the exception of alkalinity and bicarbonate which was measured at new historical low concentrations during the spring 2017 monitoring event. Increasing concentration trends apparent for the last five years, or longer, for several parameters including calcium, iron, magnesium, sodium, arsenic, TDS, sulfate, hardness, bicarbonate, and alkalinity appeared to be slowing or reversing in 2017. Concentrations of TSS, ammonia, nitrate, and organic carbon were below laboratory reporting limits during the three 2017 monitoring events. No other upward or downward trends have been observed at this location. Arsenic was above its MEG and MCL (0.01 mg/L for each) during each of the 2017 monitoring events. No other parameters analyzed at this location exceeded MCLs or MEGs in 2017.

MW-401B

- At MW-401B, parameter concentrations are typically greater than those at MW-401A, with the exception of arsenic and dissolved oxygen. Historical high concentrations of magnesium and dissolved oxygen were measured for at least one monitoring event in 2017. Alkalinity, hardness, bicarbonate, calcium, magnesium, and TDS continue to show gradual increasing trends since 2003. Chloride concentrations have decreased at this location since 1999. Sulfate and potassium indicate decreasing trends since 2013. No other upward or downward trends have been observed at this location.
- At MW-401B, manganese exceeded its MEG of 0.3 mg/L for the summer and fall 2017 monitoring events. No other parameters analyzed at this location exceeded MCLs or MEGs in 2017.

Three monitoring wells are positioned downgradient of Dolby III Cells 9 through 16. Monitoring well MW-301 is set in overburden, while monitoring wells MW-302B and MW-302C are screened in bedrock and overburden, respectively. Notable observations in the 2017 water quality downgradient of Cells 9 through 16 include:

- Overall, a similar range of parameter concentrations and trends has been detected in MW-301, MW-302B, and MW-302C over the historical monitoring period with few exceptions. The groundwater parameter concentrations at these locations are expected in that the landfill was designed and permitted without a liner. This is evidenced by elevated and generally increasing trends in specific conductance, metals, and inorganic parameters at these three locations when compared to upgradient monitoring well MW-104B.
- At MW-301, increases in specific conductance, calcium, hardness, magnesium, TOC, sodium, TDS, bicarbonate, and alkalinity, have been

measured since the late 1990s. Decreasing trends have been observed for manganese and chloride since 2015. New historical high concentrations of calcium, sodium, and hardness were measured at MW-301 during at least one monitoring event in 2017.

- At MW-301, manganese and sodium exceeded their MEGs of 0.5 mg/L and 20 mg/L, respectively, during each of the 2017 monitoring events. None of the other parameters analyzed at this location exceeded MCLs or MEGs in 2017.
- VPH and EPH analyses were performed on groundwater samples obtained from MW-301 for the fall 2017 monitoring event. No VPH or EPH constituents were detected above the laboratory reporting limits in 2017.
- At MW-302B and MW-302C, specific conductance, bicarbonate, alkalinity, magnesium, manganese, sodium, and TDS have been increasing since the 1990s. Chloride concentrations decreased at MW-302B and MW-302C in 2017.
- At MW-302B dissolved oxygen, magnesium, manganese, sodium, and TDS were measured at new historical high concentrations during at least one monitoring event in 2017. At MW-302C, magnesium, manganese, sodium, TDS, bicarbonate, and alkalinity were measured at new historical high concentrations during at least one monitoring event in 2017.
- At MW-302B and MW-302C, manganese and sodium exceeded their MEGs of 0.5 mg/L and 20 mg/L, respectively, during each of the 2017 monitoring events. None of the other parameters analyzed at these locations exceeded MCLs or MEGs in 2017.
- VPH and EPH analyses were performed on groundwater samples obtained from MW-302B and MW-302C during the fall 2017 monitoring event. No VPH or EPH constituents were detected above the laboratory reporting limits at either location in 2017.

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. Notable observations in the 2017 water quality downgradient of the leachate pond include:

- Both wells have exhibited similar improving trends over their monitoring record. The improving trends seen in the groundwater quality 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 have also been observed beginning in 2005, approximately one year after redirecting the leachate pond underdrain outlet from discharging to the native ground surface to being collected and pumped to the leachate pond.
- At MW-304A, all parameter concentrations remained within their historical range in 2017. Decreasing trends observed since 2005 for specific conductance and calcium continued in 2017. Dissolved oxygen, iron, and manganese concentrations increased in 2017. Concentrations of all other parameters measured at MW-304A have remained consistent over the past two to five years. None of the parameters analyzed at this location exceeded MCLs or MEGs in 2017.
- At MW-304B, all parameter concentrations have remained within their historical range in 2017 with the exception of sulfate which was measured at a new historical low concentration during the summer monitoring event. Concentrations of dissolved oxygen, alkalinity, and bicarbonate have continued to increase since 2012. A decrease in sodium, manganese, and iron concentrations was measured in 2017. No other upward or downward trends were noted for this location through 2017. None of the parameters analyzed at this location exceeded MCLs or MEGs in 2017.

5.2 Surface Water Quality

Surface water quality sample locations are shown on Figure 4-1. Partridge Brook Flowage is sampled in 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 PBF and was sampled for the first time in 2012. PBF was discontinued 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 location for the leachate pond underdrain.

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 sample location designations are SPOS (Sediment Pond Outlet South – Sediment Pond #1), SPO (Sediment Pond Outlet – Sediment Pond #2), and SPOW (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 2017. SPO was not sampled for any of the monitoring events in 2017 due to dry conditions and insufficient water at the sample collection site. Surface water at the SPON was not sampled during the summer 2017 monitoring event, due to dry conditions. Surface water at the SPOS was not sampled during the summer 2017 monitoring event, due to dry conditions. Notable observations in the water quality data at the surface water locations associated with the Dolby III Landfill in 2017 include:

- At the PBFB location, parameters were generally within the historical range of concentrations for that location during 2017 with the exception of dissolved oxygen and magnesium which were measured at historical high concentrations during the fall 2017 monitoring event. Increasing concentration trends observed since 2011 for TDS, magnesium, sodium, hardness, and chloride continued in 2017. No other upward or downward trends were noted for this location during 2017. None of the parameters analyzed in 2017 for this location exceeded the MFCCC limits.

- At the PBFR location historical high concentrations of dissolved oxygen, iron, manganese, nitrate, TDS, and sulfate were measured during the fall 2017 monitoring event. Historical high concentrations of TSS were measured during the summer and fall monitoring events. Historical low concentrations of bicarbonate and alkalinity were measured during the fall monitoring event.
- Since sampling began at PBFB in 2012, no consistent concentration trends have been established. Copper, arsenic, potassium, ammonia, and phosphate phosphorus concentrations have been below laboratory reporting limits during most of the sampling events since 2012.
- Sample location ND was not analyzed in 2017 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.
- Surface water sample location SPO has been periodically dry since monitoring began at that location in 1991. SPO was dry or contained inadequate water for sampling during the three 2017 monitoring events.
- Aside from seasonal fluctuations, parameter concentrations for SPON and SPOS have remained relatively stable since 2005, when monitoring was initiated at those locations. Historical high dissolved oxygen was measured at SPON in the fall of 2017. The increasing concentration trend observed at SPON for dissolved oxygen since 2015 continued in 2017. Iron, manganese, potassium, sodium, TDS, sulfate, and chloride concentrations decreased in 2017 compared to 2016. No other increasing or decreasing trends were observed at SPON during 2017.
- At SPOS, all parameter concentrations remained within their historical range during 2017. Aside from seasonal fluctuations no consistent increasing or decreasing trends are apparent at SPOS.

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. Notable observations in the 2017 water quality for leachate include:

- LP, LDS, and LPD2 parameter concentrations were generally consistent with historical data for each location. A historical low concentration of TSS was measured at LP during the spring 2017 monitoring event. Historical high concentrations of sulfate were measured at LDS during the spring and fall 2017 monitoring events. Historical high concentrations of nitrate and sulfate were measured at LPD2 during the spring and fall 2017 monitoring events, respectively.
- Decreasing trends were observed for TSS and iron, at LDS through 2017. Specific conductance, dissolved oxygen, calcium, magnesium, potassium, sodium, ammonia, TDS, sulfate, hardness, bicarbonate, alkalinity, organic carbon, and chloride concentrations increased in 2017 compared to 2016. No other increasing or decreasing trends were observed at LDS during 2017.
- VPH and EPH were added to the LP monitoring parameters in 2012. No VPH or EPH constituents were detected during the 2017 monitoring events at the LP monitoring location.
- Comparison of the water quality for LP and LDS shows that the leachate (i.e., the LP sample) has higher mean concentrations than the leak detection liquid (i.e., the LDS sample) for several indicator parameters including specific conductance, alkalinity, ammonia, bicarbonate, chloride, dissolved oxygen, hardness, magnesium, nitrate, potassium, sodium sulfate, and TOC.
- Water quality data obtained at LP and LDS in 2017 was generally consistent with historical data obtained at these locations. Minimal leakage into the leak detection system occurred in 2017 (see Section 3.10).
- 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 2017 at LPD2 was generally within the historical range. The LPD2 data has shown considerable variability over time. No increasing or decreasing trends were observed at LPD2 during 2017.

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 include the utilization of standardized sample collection procedures and data records, calibration of field instruments, and the 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 2017.

Data validation documentation for the Dolby Landfill monitoring events has been previously submitted to MEDEP as part of the data submittals for each of the individual 2017 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 2017 at locations where landfill gas may collect and pose a potential health or safety threat. 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 2017 and the results of that monitoring are presented as Appendix C-3. A Landtec GEM 2000-Landfill Gas Monitor (i.e. the 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,
- Ten 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 ensure the health and safety of landfill personnel as well as detect any potential migration of landfill gases. During 2017, landfill gas concentrations measured at the operator shack were all below the instrument detection limits.

6.2 Dolby III Leachate Pond

During 2017, landfill gas concentrations measured at the leachate pump station control room and sump were all below the instrument 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 well bore at MW-107B since May 2002. During 2017, methane and hydrogen sulfide concentrations in MW-107B were all below the instrument detection limits.

6.4 Manholes/Catch Basins

During 2017, landfill gas readings were taken at 9 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 during the three monitoring events in 2017:

CB #4 – **23** percent methane and <**0.1** ppm H_2S,
CB #6A – **4.2** percent methane and <**0.1** ppm H_2S,
CB #13 – **<0.1** percent methane and <**0.1** ppm H_2S,
CB #21 – **0.1** percent methane and <**0.1** ppm H_2S,
CB #22 – **1.1** percent methane and <**0.1** ppm H_2S,
CB #35 – **15** percent methane and <**0.1** ppm H_2S,
CB #39 – **0.3** percent methane and <**0.1** ppm H_2S,
CB #43 – **<0.1** percent methane and <**0.1** ppm H_2S, and
CB #45 – **0.3** percent methane and <**0.1** ppm H_2S.

The landfill gas readings from the manholes/catch basins are generally consistent with leachate collection structures at similar landfills. 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

A total of 484 cubic yards of solid waste were delivered to the Dolby III Landfill in 2017. Table 7-1 summarizes the quantities delivered by waste stream.

TABLE 7-1

WASTE DISPOSED OF AT DOLBY LANDFILL

Month	Ash[1]	Cover Material[2]	Misc. Waste[3]
January			
February			
March			
April			
May			
June			
July			
August	349		
September	106	26	3
October			
November			
December			
Total (CY)	455	26	3
Cumulative Total (CY)	484		

Notes:
1. Ash included 232 cy of ash from Millinocket transfer station, 91 cy of ash from the East Millinocket transfer station, and 132 cy of ash from Medway transfer station.
2. Cover material included delivery of 26 cy of sludge cover material from the Town of Millinocket Wastewater Treatment Plant in September 2017.
3. Waste materials from landfill leachate pond and pipeline cleaning (gloves, rags, piping, etc.) performed in 2017.

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 BGS 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 484 cubic yards of waste was placed in the Dolby III Landfill in 2017. In years previous to 2011, more than 100,000 cubic yards of waste were placed annually. The leachate pond leak detection system pumped 299 gallons of leak detection fluid in 2017, which is significantly less than the action leakage rate for the leachate pond liner system.

The leachate pond and the entire length of the leachate transport pipeline was cleaned in September 2017. The pumping flow rates before and after the cleaning were measured and the cleaning increased the total pumping capacity by more than 40 percent.

Review of the 2017 water quality data from Dolby I, Dolby II, and Dolby III indicates that water quality at the site remains generally consistent with, or improved from, that reported in previous years.

The following observations are offered relative to site water quality and landfill operation for 2017:

- 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 monitoring location.
- Monitoring wells downgradient of Dolby II indicated parameter concentrations that were generally consistent with historical data.
- Monitoring wells downgradient of Dolby III (with the exception of MW- 304A and MW-304B) indicate increasing trends for several parameters through 2017. The trend increases are believed to be generally consistent with similar monitoring wells positioned downgradient of unlined pulp and paper mill sludge landfills.

- 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 2017, 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 the leachate or groundwater in 2017.

MEDEP primary drinking water standards (i.e., MCLs and MEGs) were exceeded in several of the groundwater monitoring wells one or more times in 2017. Arsenic exceeded its respective MCL and MEG at three monitoring well locations. Iron exceeded its respective MEG in one monitoring well; 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 upgradient monitoring wells, at concentrations in excess of its MEG. The MFCCC was not exceeded at any of the four surface water sampling 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

At this time, no changes to the EMP or operations for the Dolby Landfill facility 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

INSPECTION REPORTS

SME
SEVEE & MAHER
ENGINEERS

SME

Sevee & Maher Engineers, Inc.

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

CC: Matt Muzzy, SME

FROM: Brian Pierce, SME BAP

DATE: May 19, 2017

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

The Dolby I, II, and III Landfill inspection was completed by Brian Pierce of SME on April 27, 2017. An inspection form and photographs are attached.

The landfill inspection identified several general items in need of attention this year as indicated on the attached inspection form.

This inspection identified several items related to the Phase 1 Cover Upgrade that should be addressed in 2017. The items are listed below:

- A broken gas vent in the upper northeast corner of the Phase 1 Cover Upgrade area;
- Soil erosion at several areas adjacent to the soil lined terraced ditch and riprap lined ditch transition areas;
- Ponded water in one portion of the upper terrace ditch.
- Soil erosion in several grass-lined downspouts which is causing sedimentation further downstream;
- Sparse grass growth on the overall Phase 1 cover system;
- Lack of sufficient freeboard between open waste areas and cover areas in the Northeast corner of the Phase 1 Cover Upgrade area.
- Erosion noted on the top (laydown area) and south end of the east slope of Dolby III;
- Wood crane mats should be moved from top south end of the Dolby III landfill to another area as they will be in the way of potential lagoon sludge disposal this summer; and
- Regrade then seed and mulch disturbed areas with erosion and sparse grass growth on the top and south end of the west side of the Dolby III landfill. This area was used by Sargent to construct the Phase 1 Cover and needs to be stabilized.

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Sargent Corporation has been notified of the items listed above and a site visit is planned in the next several weeks to review the items and prepare a plan to address them.

The maintenance items recommended for attention in 2017 include the following:

- The outlet of the culvert crossing the Landfill perimeter road between the southwest corner of Dolby III and the southwest sedimentation basin is damaged. Consideration should be given to repair or replacement of this culvert when Phase 2 of the cover upgrade construction occurs in the southwest corner of the Dolby III landfill.

- Growth of woody vegetation on the Dolby I Landfill cover system was also noted during last year's site visits. Consideration should be given to removal of this vegetation as it is growing in size and abundance.

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

Thank you.

Attachments

First Inspection 2017

DOLBY LANDFILL
LANDFILL INSPECTION CHECKLIST

Date: April 27, 2017 Time: 9:00 a.m. to 2:00 p.m.

Weather: Overcast 50's Inspected By: Brian Pierce

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

First Inspection 2017

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	X	
Pumps Functioning Properly (amps, noises)	X	
Valves Functioning Properly (free turning)	X	
Flow Conditions (low, medium, or high)	X (High)	
Properly Vented	X	
Electrical Panel Inspection (corrosion, etc.)	X	
Flow Meter Inspection – Flow meter not working	X	
LEAK DETECTION SYSTEM		
Pump functioning properly (amps, noises)	X	
Flow Conditions (low, medium, high)	X (High)	
Flow Meter Inspection		X (4)
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 (High)	
WEST SEDIMENT POND (SEDIMENT POND 2)		
Check Outlet Structure for Condition	X	
Water Level (low, medium, or high)	X (High)	
SOUTHWEST SEDIMENT POND (SEDIMENT POND 1)		
Check Outlet Structure for Condition	X	
Water Level (low, medium, or high)	X (High)	
SITE ROADWAYS AND DRAINAGE		
Check Catch Basins for Build-up of Sediment	X	
Check Culverts for Blocked Drainage and/or damage	X (5)	
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	
General condition of Leachate Pipeline Access Road	X	

First Inspection 2017

COMMENTS:

(1) Access Road to Dolby I was covered with snow and soft, therefore, Dolby I Inspection was not performed.

(2) Erosion around the downspouts in the phase 1 construction area was observed.

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

(4) Leak Detection Flow meter is not working but the leak detection flow totalizer is working.

(5) The outlet of the culvert crossing the landfill perimeter road between the southwest corner of Dolby III and the southwest sedimentation basin is damaged but functional. Consideration should be given to repair or replacement of this culvert when cover upgrade occurs in this corner of Dolby III.

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

RECOMMENDED ACTIONS:

- Consider woody vegetation removal from Dolby I landfill.
- Repair Phase 1 Cover Upgrade area erosion and consider reseed and mulch this area.

ACTION TAKEN SINCE LAST REPORT:

-Clearing along the leachate transport pipeline from the leachate pond to the transition station continued in April of 2017.

April 27, 2017 Site Inspection
Dolby Landfill Facility
East Millinocket, Maine


Leachate pond from Phase I cover upgrade area.


West slope Dolby III Phase I cover area.


Grass ditch
Phase I cover upgrade area.


Phase I cover upgrade area.

Ponded water observed in upper terrace
Phase I cover upgrade area.

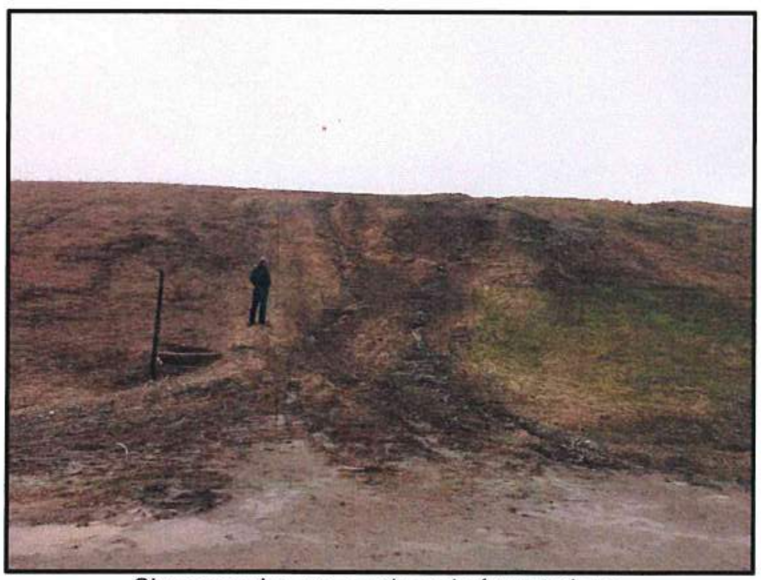
Erosion in Phase I cover upgrade grass downspout.

Erosion in Phase I cover upgrade grass downspout.

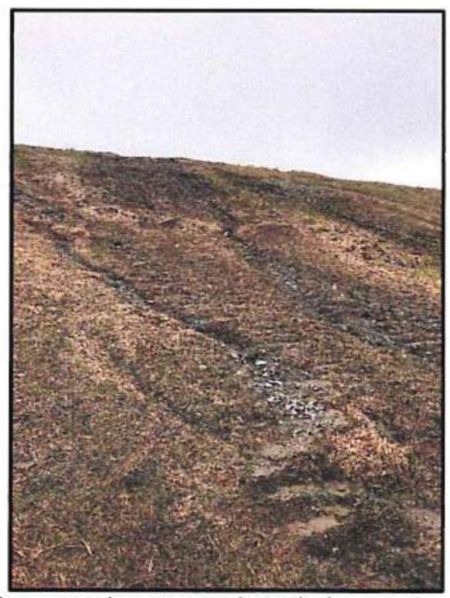
Erosion at Phase I cover upgrade area.
Slope terrace/downspout transition.

Broken gas vent on Phase I cover upgrade area.

Erosion at Phase I cover upgrade grass downspout.



Slope erosion on south end of west slope.



Slope erosion on south end of west slope.

April 27, 2017 Site Inspection
Dolby Landfill Facility
East Millinocket, Maine

Dolby III Leachate Pond.

Dolby III Leachate Pond.

Northwest sediment basin inlet pipe.

Northwest sediment basin outlet pipe.

April 27, 2017 Site Inspection
Dolby Landfill Facility
East Millinocket, Maine

Northwest sediment basin.

Southwest sediment pond outlet.

Southwest sediment pond.

West sediment pond.

West sediment pond outlet.

Dolby II Leachate Pond.

4

Dolby II Landfill.

Second Inspection 2017

DOLBY LANDFILL
LANDFILL INSPECTION CHECKLIST

Date: August 24, 2017 Time: 12:00 p.m. to 2:00 p.m.

Weather: Sunny 80 F Inspected By: Brian Pierce

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)		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	
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	
DOLBY III LANDFILL		
COVER SYSTEM		
Erosion, Channeling, Eruptions	X (3)	
Excessive Settling, Crack Development	X	
Grass Die-off-Failure to Thrive	X (3)	
Mowing Required	X	
Germination of Trees, Deep Root Vegetation	X	
Poor Drainage, Ponding	X	
Animal Burrowing	X	
Access Road Condition	X	
PERIMETER DRAIN AND CATCH BASINS		
Build-up of Sediment in Catch Basins	X	
Valves Functioning Properly (free turning)	X	

Second Inspection 2017

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	**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 – Flow meter not working	**X**	
LEAK DETECTION SYSTEM		
Pump functioning properly (amps, noises)	**X**	
Flow Conditions (low, medium, high)	**X (Low)**	
Flow Meter Inspection		**X (4)**
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 (5)**	
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**	
General condition of Leachate Pipeline Access Road	**X**	

Second Inspection 2017

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 vegetation (failure to thrive) on Dolby II and III landfills.

(4) Leak Detection Flow meter is not working but the leak detection flow totalizer is working.

(5) The outlet of the culvert crossing the landfill perimeter road between the southwest corner of Dolby III and the southwest sedimentation basin is damaged but functional. Consideration should be given to repair or replacement of this culvert when cover upgrade occurs in this corner of Dolby III.

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

RECOMMENDED ACTIONS:

- Consider woody vegetation removal from Dolby I landfill.
- Repair Phase 1 Cover Upgrade area erosion and consider reseed and mulch this area.

ACTION TAKEN SINCE LAST REPORT:

-Mowing of the Pipeline Right-of-Way was performed..

-Dolby III Phase 1 Cover Upgrade area erosion areas were repaired by Sargent Corp this spring.

SME
SEVEE & MAHER
ENGINEERS

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

CC: Matt Muzzy, SME

FROM: Brian Pierce, SME BDP

DATE: November 17, 2017

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

The Dolby I, II, and III Landfill inspection was completed by Brian Pierce of SME on October 26, 2017 during a period of heavy rain. Site rain gauge readings indicated that approximately 4.9-inches of rain had fallen since the rain gauge was checked on October 25, 2017 (approximately 30-hours prior). Manhole Inspection was also performed on October 26, 2017 in accordance with facilities' Leachate Manhole Inspection Plan; manhole inspection included inspection of approximately one-third of all Landfill manholes. This manhole inspection schedule allows inspection of each manhole at least once every three years. Inspection forms and photographs are attached.

The maintenance items recommended for consideration/implementation in 2018 include the following:

- A gas vent located on the top of the Dolby III Phase 1 Cover upgrade area was broken and should be fixed as part of the future Phase 2 Cover upgrade.

- Flowing water was observed between the vegetative soil and geosynthetic layers (geomembrane/geocomposite). The flowing water was observed downslope of the downstream end of the surface swale and adjacent to the upstream end of the south-most riprap downspout. Consideration should be given to repair of this area next spring when vehicles can access the landfill without damaging the cover system. The approximate location of the flowing water is shown on attached Figure 1.

- The outlet of the culvert crossing the Landfill perimeter road between the southwest corner of Dolby III and the southwest sedimentation basin is damaged but functional. Consideration should be given to repair or replacement of this culvert when cover upgrade construction occurs in the southwest corner of the Dolby III landfill. The location of the culvert is shown on attached Figure 1.

- Growth of woody vegetation on the Dolby I Landfill cover system was also noted during the site visit. Consideration should be given to removal of this vegetation as it is growing in size and abundance.

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

Thank you.

Attachments

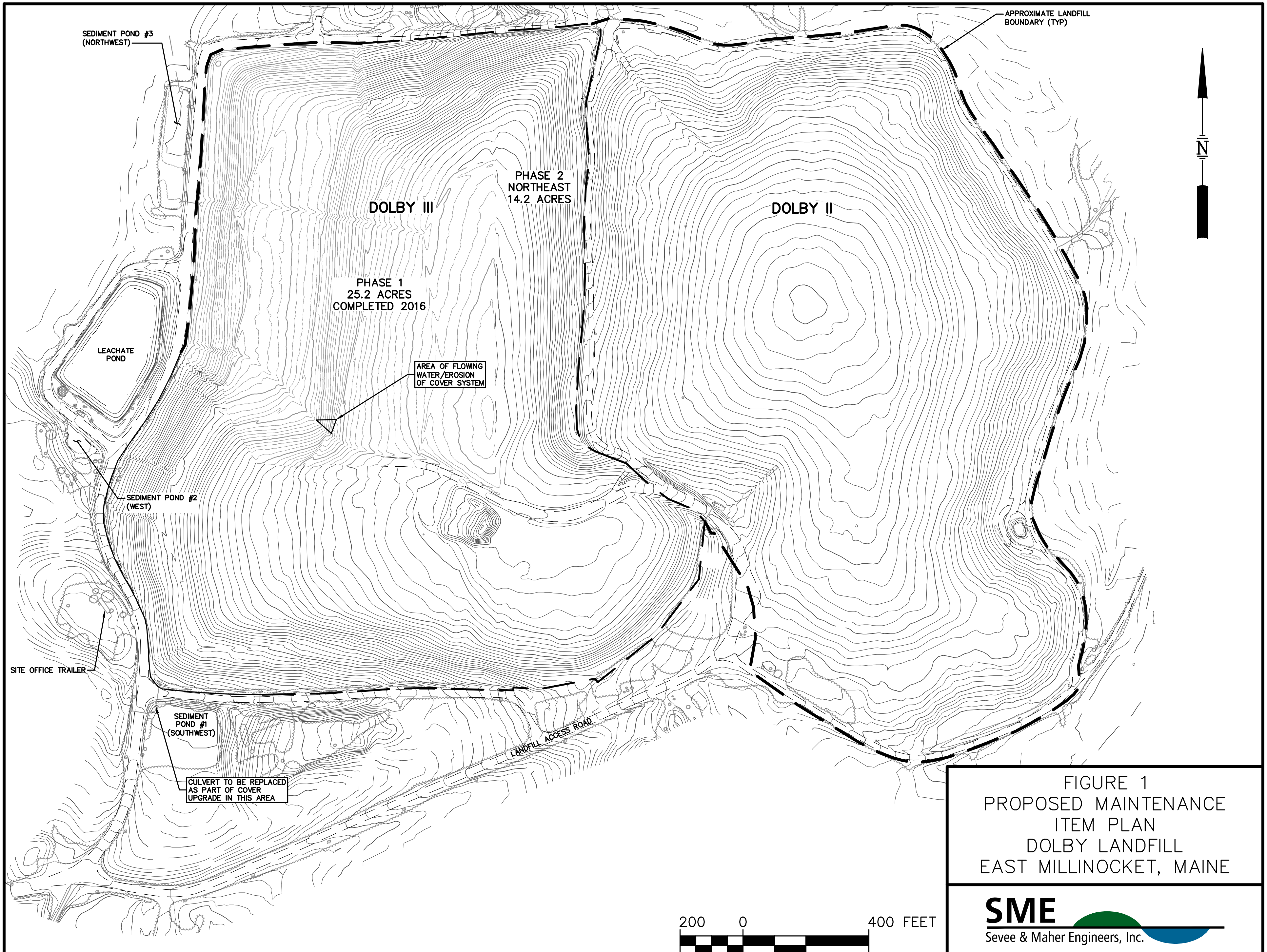


FIGURE 1
PROPOSED MAINTENANCE ITEM PLAN
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

SME
Sevee & Maher Engineers, Inc.
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

DWG: BASE LMN: MAINTENANCE CTB: SME-STD REV: 11/17/2017

\\Nserver\cfs\Kpc\Dol\COVER UPGRADE\Phase 2-3\Acad\Plans\BASE.dwg, 11/17/2017 11:24:12 AM, sjm

DOLBY LANDFILL
LANDFILL INSPECTION CHECKLIST

Date: October 26, 2017 Time: 11:00 a.m. to 5:30 p.m.

Weather: Rain 60 F Inspected By: Brian Pierce

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)		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	
DOLBY III LANDFILL		
COVER SYSTEM		
Erosion, Channeling, Eruptions	X (3,5)	
Excessive Settling, Crack Development	X	
Grass Die-off-Failure to Thrive	X (3)	
Mowing Required	X	
Germination of Trees, Deep Root Vegetation	X	
Poor Drainage, Ponding	X	
Animal Burrowing	X	
Access Road Condition	X	
PERIMETER DRAIN AND CATCH BASINS		
Build-up of Sediment in Catch Basins	X	
Valves Functioning Properly (free turning)	X	

Third Inspection 2017

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	**X**	
Pumps Functioning Properly (amps, noises)	**X**	
Valves Functioning Properly (free turning)	**X**	
Flow Conditions (low, medium, or high)	**X (High)**	
Properly Vented	**X**	
Electrical Panel Inspection (corrosion, etc.)	**X**	
Flow Meter Inspection – Flow meter not working	**X**	
LEAK DETECTION SYSTEM		
Pump functioning properly (amps, noises)	**X**	
Flow Conditions (low, medium, high)	**X (Low)**	
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 (High)**	
WEST SEDIMENT POND (SEDIMENT POND 2)		
Check Outlet Structure for Condition	**X**	
Water Level (low, medium, or high)	**X (High)**	
SOUTHWEST SEDIMENT POND (SEDIMENT POND 1)		
Check Outlet Structure for Condition	**X**	
Water Level (low, medium, or high)	**X (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**	
General condition of Leachate Pipeline Access Road	**X**	

Third Inspection 2017

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 vegetation (failure to thrive) on Dolby II and III landfills.

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

(5) Cap erosion noted at top of southmost downspout on Phase I of Cover Upgrade area.

(6) Leak Detection Flow meter is not working but the leak detection flow totalizer is working.

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

RECOMMENDED ACTIONS:

- Consider woody vegetation removal from Dolby I landfill.
- Repair Phase 1 Cover Upgrade area erosion next spring 2018.

ACTION TAKEN SINCE LAST REPORT:

- Cleaned Leachate Pond and Leachate Pipeline
- Recovered Sediment Disposal area on top of Dolby II.

OCTOBER 26, 2017 SITE INSPECTION
DOLBY LANDFILL FACILITY
EAST MILLINOCKET, MAINE

DOLBY I COVER SYSTEM/ACCESS ROAD

DOLBY I COVER SYSTEM

DOLBY I COVER SYSTEM

DOLBY I EAST POND

DOLBY I WEST POND

DOLBY II ACCESS ROAD

DOLBY II COVER SYSTEM – SOUTH SIDE

DOLBY II SOUTH SIDE

DOLBY II LEACHATE POND – EAST SIDE

DOLBY II COVER SYSTEM – EAST SIDE

DOLBY II ON LEFT SIDE OF ROAD AND
DOLBY III ON RIGHT SIDE OF ROAD

DOLBY II WEST

DOLBY III TOP OF PHASE I COVER UPGRADE AREA

DOLBY III BROKEN GAS VENT ON TOP OF PHASE I COVER UPGRADE AREA

DOLBY III TOP OF PHASE I COVER AREA LOOKING SOUTH

DOLBY III AREA OF SOIL EROSION AT TOP OF SOUTHERN-MOST DOWNSPOUT ON PHASE I COVER UPGRADE AREA

DOLBY III AREA OF SOIL EROSION AT TOP OF SOUTHERN-MOST DOWNSPOUT ON PHASE I COVER UPGRADE AREA

GRASS-LINED DITCH ON PHASE I COVER UPGRADE AREA

DOLBY III LANDFILL WITH LEACHATE POND IN BACKGROUND

DOLBY III LANDFILL WITH NORTHWEST SEDIMENT POND IN BACKGROUND

DOLBY III LANDFILL WITH LEACHATE POND IN BACKGROUND

DOLBY III GRASS CHANNEL ON PHASE I COVER UPGRADE

DOLBY III RIPRAP DOWNSPOUT AND COVER DRAIN ON PHASE I COVER UPGRADE AREA

DOLBY III PHASE I COVER UPGRADE AREA LOOKING SOUTH

DOLBY III WITH LEACHATE POND AND NORTHEAST SEDIMENT POND IN BACKGROUND

DOLBY III OPEN AREA LEACHATE INLET

DOLBY III TOE DITCH ON NORTH SIDE OF PHASE I COVER UPGRADE AREA

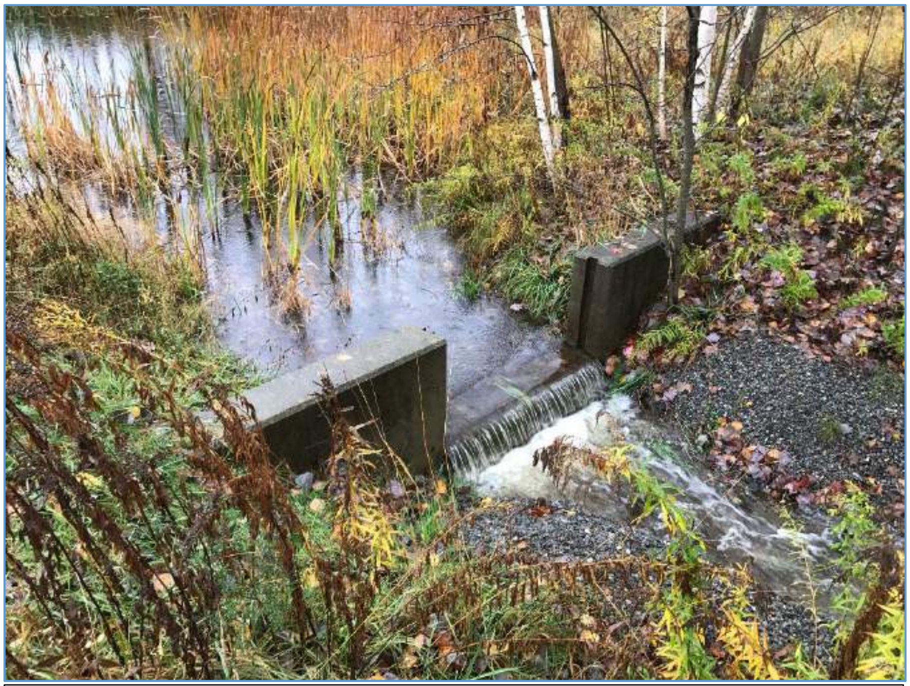
DOLBY III TOE DITCH AT WESTSIDE OF PHASE I COVER UPGRADE AREA

DOLBY III CULVERT INLET TO NORTHEAST SEDIMENT POND

DOLBY III LEACHATE POND SEDIMENT DISPOSAL AREA

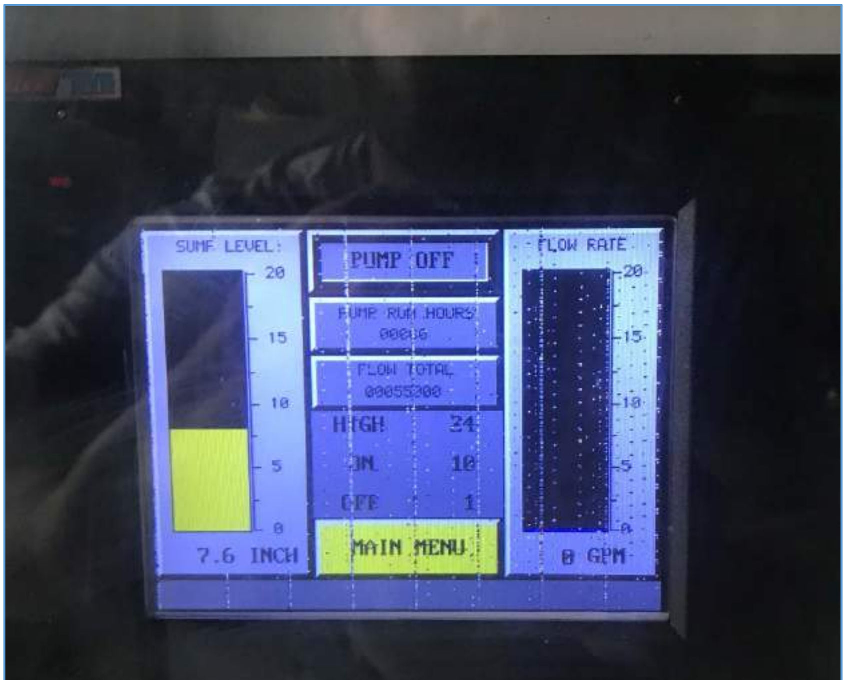
DOLBY III LEACHATE POND SEDIMENT DISPOSAL AREA

DOLBY III LEACHATE POND SEDIMENT DISPOSAL AREA



WEST SEDIMENT POND OUTLET

LEACHATE PUMP STATION CONTROL PANEL



LEAK DETECTION SYSTEM CONTROL PANEL

LEACHATE PUMP PRESSURE GAUGES

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #2

Landfill Location: Dolby III - west side at corner of Cell 1 and Cell 9

Date: 10/26/2017 Time: 14:47

Weather: Rain 60° Inspected by: BDP

Date of last inspection: 8/20/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: One small chunk missing from west side

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Some at bottom (1/4” to 1/2”)

Seeps: None

Other: None - Flow from all pipes; most from north side.

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #2 Exterior

CB #2 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #3

Landfill Location: West side of Dolby III on Cell 1

Date: 10/26/2017 Time: 14:53

Weather: Rain 60º Inspected by: BDP

Date of last inspection: 8/20/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: None

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: None – High flow from North and South inlets.

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #3 Exterior

CB #3 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #4

Landfill Location: West side of Dolby III on Cell 1

Date: 10/26/2017 Time: 13:23

Weather: Rain 60º Inspected by: BDP

Date of last inspection: 8/20/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Moderate flaking on bottom section 1" thick

Seeps: At baffle joints only.

Other: Sludge/sediment should be removed before closure.

Corrective Action required (Y/N): Prior to closure on this side, clean structure to remove sediment.

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #4 Exterior

CB #4 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #5

Landfill Location: West side of Dolby III on Cell 1

Date: 10/26/2017 Time: 15:05

Weather: Rain 60º Inspected by: BDP

Date of last inspection: 8/20/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Minor flaking along edge of concrete cover

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: Some sediment in sump

Corrective Action required (Y/N): None – Clean sediment before final closure.

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #5 Exterior

CB #5 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #6

Landfill Location: Southwest corner of Dolby III on Cell 1

Date: 10/26/2017 Time: 13:30

Weather: Rain 60º Inspected by: BDP

Date of last inspection: 8/20/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Some on Northwest Corner

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: Bacterial growth on south wall (12" pipe)

Corrective Action required (Y/N): None – Clean before final closure in this area.

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #6 Exterior

CB #6 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #6A

Landfill Location: Southwest corner of Dolby III on Cell 1

Date: 10/26/2017 Time: 15:15

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #6A Exterior

CB #6A Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #7

Landfill Location: Southwest corner of Dolby III on Cell 1

Date: 10/26/2017 Time: 15:18

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Spalling exterior

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Minimal

Seeps: None

Other: None

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #7 Exterior

CB #7 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #8

Landfill Location: South side of Dolby III on Cell 1/ Cell 2

Date: 10/26/2017 Time: 15:20

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #8 Exterior

CB #8 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #9

Landfill Location: South side of Dolby III on Cell 2

Date: 10/26/2017 Time: 15:22

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Surface only

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: None

Corrective Action required (Y/N): None - Clean/vacuum 12" pipe inlet before final closure.

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #9 Exterior

CB #9 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #10

Landfill Location: South side of Dolby III on Cell 2 / Cell 3A

Date: 10/26/2017 Time: 15:27

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Slight on middle concrete section

Seeps: None

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #10 Exterior

CB #10 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #13

Landfill Location: South side of Dolby III on Cell 3A / Cell 3B

Date: 10/26/2017 Time: 15:30

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: None

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #13 Exterior

CB #13 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #14

Landfill Location: South side of Dolby III on Cell 3B Cell 4

Date: 10/26/2017 Time: 15:33

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Some to cover

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #14 Exterior

CB #14 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #17

Landfill Location: South side of Dolby III on Cell 4 / Cell 5

Date: 10/26/2017 Time: 15:37

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Minimal but some

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: Some sediment buildup but not excessive

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #17 Exterior

CB #17 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #18

Landfill Location: East side of Dolby III on Cell 5 / Cell 13

Date: 10/26/2017 Time: 15:50

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: Odor

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Some flaking on cover MH section (1' deep)

Seeps: None

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #18 Exterior

CB #18 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #19

Landfill Location: East side of Dolby III on Cell 5

Date: 10/26/2017 Time: 15:52

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: Low seepage quantity

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #19 Exterior

CB #19 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #20

Landfill Location: East side of Dolby III on Cell 5

Date: 10/26/2017 Time: 15:56

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #20 Exterior

CB #20 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #21

Landfill Location: East side of Dolby III on Cell 5

Date: 10/26/2017 Time: 16:02

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: None – Majority of flow is from Dolby II.

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #21 Exterior

CB #21 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #22

Landfill Location: East side of Dolby III on Cell 5

Date: 10/26/2017 Time: 16:07

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #22 Exterior

CB #22 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #23

Landfill Location: East side of Dolby III on Cell 5

Date: 10/26/2017 Time: 16:09

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: None

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other:

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #23 Exterior

CB #23 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB #24

Landfill Location: Southeast corner of Dolby III on Cell 5

Date: 10/26/2017 Time: 15:38

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: Yes. Cover flake out.

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: None – Majority of flow is from Dolby II.

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #24 Exterior

CB #24 Interior

DOLBY LANDFILL

CONCRETE MANHOLE INSPECTION FORM

Manhole / Catch Basin No: CB-#25

Landfill Location: Dolby III, North Slope

Date: 10/26/2017 Time: 15:45

Weather: Rain 60's Inspected by: BDP

Date of last inspection: 8/21/2014

Exterior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Interior Condition (Comments): Good

Cracks: None

Holes: None

Flaking: None

Seeps: None

Other: NA

Corrective Action required (Y/N): None

Date and Details of Corrective Actions (if needed): None

Attachments: Photos

Manhole Inspection
Dolby Landfill, East Millinocket, Maine
October 26, 2017

CB #25 Exterior

CB #25 Interior

APPENDIX A-2

PIPELINE AND LEACHATE POND 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

VIA EMAIL

MEMO TO: Michael Barden

CC: Matthew Muzzy, P.E.

FROM: Brian D. Pierce, P.E. BDP

DATE: September 25, 2017

SUBJECT: **2017 LEACHATE PIPELINE CLEANING SUMMARY DOLBY LANDFILL, EAST MILLINOCKET, MAINE**

INTRODUCTION

The leachate pipeline which connects the Dolby Landfill to the former Great Northern Paper Mill's (GNP Mill) wastewater treatment plant (WWTP) in East Millinocket, Maine was cleaned from August 24, 2017 to September 1, 2017. Sevee & Maher Engineers, Inc. (SME) planned the cleaning and Mid-South Engineering (MSE) observed the cleaning. ACV Enviro (ACV) of Skowhegan, Maine was contracted to perform the pipeline dewatering, disassembly, cleaning, and reassembly. This memorandum describes the cleaning procedures, observations, and follow-up recommendations. Figure 1 (attached) shows the leachate pond, pipeline, and manhole locations from the Dolby Landfill to the GNP Mill.

LEACHATE PIPELINE CLEANING

Leachate pipeline cleaning was performed from August 24, 2017 to September 1, 2016. Prior to the cleaning, the leachate pond was drained to its lowest practical level, power to the pumps was shut off, the electrical power supply was locked out by MSE and ACV using standard lock-out/tag-out safety protocol. ACV then drained (dewatered) the leachate pipeline at Manhole Nos. 1, 8, 14, & 27. During pipeline dewatering, approximately 20,000 gallons of leachate was removed from the manholes and trucked to the WWTP for disposal.

Following pipeline dewatering, pipe connections were dismantled at Manhole Nos. 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 27, and 28. Pipe dismantling generally consisted of removing two Victaulic Style 995 couplings and a section of HDPE pipe spool to allow access for the cleaning equipment. Manholes 3, 4, 13, 16, 18, 19, and 20 included dismantling a vacuum/air release valve assembly.

The pipeline cleaning process utilized a high-pressure nozzle attached to a one-inch diameter hose which was inserted into the pipeline. Water was discharged backwards through the nozzle at a pressure of approximately 2,500 psi to help advance the hose into the pipeline and remove scale accumulated on the pipe wall during the forward pass. The hose was 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 back to points (manholes) in the pipeline where it was transferred into a tank truck and hauled to the WWTP for disposal. Clean water for the leachate pipeline cleaning was obtained from an East Millinocket Water Works hydrant in East Millinocket, Maine.

Approximately 19,705 linear feet of pipeline was cleaned from leachate pond outlet pipe to the pipelines outlet to the outlet structure of the Emergency Primary Lagoon at the Town of East Millinocket's Wastewater Treatment Plant. After the pipeline was cleaned, the pipe fittings, couplings, and flanged connections were cleaned, lubricated, and assembled. The existing gaskets on the Victaulic couplings were reused if found in good condition. One two-inch flange gasket and one 10" Victaulic gasket were used from the facilities equipment inventory. A new air/vacuum release valve was installed in Manholes 3, 4, 13, 16, 18, 19, and 20 (seven total). ACV also purchased an assortment of other pipe fittings needed for installing the new air/vacuum release valves. The air/vacuum valves that were removed from the pipeline were pressure washed and placed near the landfill office trailer. Table 1 (attached) is an inventory of the remaining equipment available for pipeline maintenance and repairs.

On September 18, 2017, the leachate pond pumps were manually operated after the pipeline reassembly and each pipe connection was checked for leaks. A small amount of leakage was observed from a check valve cover into Manhole 1 and temporary repairs to the cover O-ring gasket were performed. A new O-ring was installed in the check valve on September 22, 2017 and leakage was no longer observed at this location.

CONCLUSIONS AND RECOMMENDATIONS

Table 2 (attached) provides a summary of the length of pipe cleaned, pipe condition prior to cleaning, and observations made during the pipeline cleaning process.

Peak flows were observed during the August 7, 2017 (pre-cleaning) and September 19 and 25, 2017 (post-cleaning) were approximately 460 gallons per minute (gpm) and approximately 660 gpm respectively with one pump running during each flow test indicating that pipe cleaning caused a 200 gpm (43%) increase in leachate flow. Combined flow with both Pumps 1 and 2 running was recorded also on September 25, 2017 and was approximately 850 gpm.
The results of the 2017 pipeline cleaning are similar to past pipe cleaning events when the entire pipeline was cleaned.

SME recommends that pipeline flows continue to be monitored during the remainder of 2017 and the first half of 2018. Pipeline cleaning should be considered if pipeline flows decrease significantly over the next year.

Attachments:

- Figure 1 - Leachate Pipeline Manhole Locations
- Table 1 - Leachate Pipeline Available Parts Summary
- Table 2 - August/September 2017 Leachate Pipeline Cleaning Summary Table

FIGURE 1

LEACHATE PIPELINE MANHOLE LOCATIONS

SME
SEVEE & MAHER
ENGINEERS

NOTES

BASE MAP FROM GOOGLE EARTH PHOTO DATED 9/18/13.

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, Inc.

ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

DWG: PIPELINE LMN: CTB: SME-STD REV: 9/22/16

\\Nserver\cfs\Kpc\Dol\ACAD\Leachate Line\PIPELINE.dwg, 9/22/2016 2:45:35 PM, paf

TABLE 1

LEACHATE PIPELINE AVAILABLE PARTS SUMMARY

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ENGINEERS

TABLE 1

LEACHATE PIPELINE PARTS INVENTORY - SEPTEMBER 19, 2017
DOLBY LANDFILL
EAST MILLINOCKET, MAINE

PART	QUANTITY	NOTES
Spool Pieces		
8" Dia x 10' Long	1	Has 2" threaded saddle
10" Dia x 48" Long	2	Has 2" threaded saddle
10" Dia x 47.5" Long	1	Has 2" threaded saddle
10" Dia x 37.5" Long	1	Has 2" threaded saddle
Vacuum Release		
Crispin	1	Model SL20AB, New
Crispin (Used)	7	Removed from pipeline during August 2017 cleaning
Couplings		
8" Victaulic 991	3	Flange adapter, 1 New, 2 Used, 1 half piece.
8" Victaulic 995	6	4 New with bolts and gaskets, 2 used without gaskets or bolts
10" Victaulic 995	1	
Victaulic Gaskets		
8" Style 995	26	
10" Style 995	14	
8" Style 994	3	
18" Victaulic 995	4	
Flange Gaskets		
2" EPDM	19	
8" EPDM	6	
10" EPDM	2	
6" Rubber	8	
10" Rubber	3	
Check Valve Gaskets		
8" Nitrile O-Rings (1/4" Thick)	2	Purchased from Seals Unlimited, Portland, Maine
Stainless Steel Hardware		
3/4 x 4-3/4" Hex Bolts	61	
3/4" Flat Washers	169	
3/4" Nut	78	
5/8" Flat Washers	100	
Victaulic 5 x 3/4" Bolt and Nut	15	For 10" coupling, 7 sets have been used
Victaulic 3-1/4 x 5/8" Bolt and Nut	47	For 8" coupling

TABLE 2

AUGUST/SEPTEMBER 2017 LEACHATE PIPELINE CLEANING SUMMARY TABLE

SME
SEVEE & MAHER ENGINEERS

TABLE 2

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 2017 (ft)	Cleaning Water Condition Observed During Cleaning[a]	Notes
Force Main Section	Pump Station Wet Well	N	0+81			-	Very Dirty	b
				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	Very Dirty	
	MH No. 3	Y	8+31					MH Opened
				8	915	915	Very Dirty	
	MH No. 4	Y	17+46					MH Opened
				8	1750	1750	Fairly Dirty	
	MH No. 5	N	34+96					MH Opened
				8	398	398	Fairly Dirty	
	MH No. 6	N	38+94					MH Opened
				8	206	206	Fairly Dirth	
	MH No. 7	N	41+00					Not Opened
				8	1050	1050	Very Dirty	
	MH No. 8	N	51+50					MH Opened
				8	1190	1190	Very 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	Fairly Dirty	
	MH No. 11	N	78+35					MH Opened
				10	695	695	Fairly Dirty	
	MH No. 12	N	85+30					MH Opened
				10	620	620	Very Dirty	
	MH No. 13	Y	91+50					MH Opened
				10	1650	1650	Very Dirty	
	MH No. 14	N	108+00					MH Opened
				10	1200	1200	Very Dirty	
	MH No. 15	N	120+00					MH Opened
				10	767	767	Fairly Dirty	
	MH No. 16	Y	127+67					MH Opened
				10	833	833	Fairly Dirty	
	MH No. 17	N	136+00					MH Opened
				10	1060	1060	Fairly Dirty	
	MH No. 18	Y	146+60					MH Opened
				10	1216	1216	Fairly Dirty	
	MH No. 19	Y	158+76					MH Opened
				10	809	809	Fairly Dirty	
	MH No. 20	Y	166+85					Not Opened
				10	515	515	Fairly Dirty	
	MH No. 21	Y	169+40					MH Opened
				10	690	690	Fairly Clean	
	MH No. 22	N	176+30					Not Opened
				10	174	174	Fairly Clean	
	MH No. 23	N	178+04					MH Opened
				10	539	539	Fairly Clean	
	MH No. 24	N	183+43					Not Opened
				10	278	278	Fairly Clean	
	MH No. 25	N	186+21					Not Opened
				10	233	233	Fairly Clean	
	MH No. 26	N	188+54					Not Opened
				10	60	60	Fairly Clean	
	MH No. 27[c]	N	189+14					MH Opened
				8	12	12	Fairly Dirty	
	MH No. 28	N	189+26					MH Opened
				18	120	120	Clean	
	MH No. 29	N	190+46					Not Opened
				18	482	482	Fairly Dirty	
	MH No. 30	N	195+28					Not Opened
				18	112	112	Fairly Dirty	
	WWTP	N	196+40					
			total		19,754	19,754		

Notes:
a. Cleaning water condition observed during cleaning was rated Clean, Fairly Clean, Dirty, Fairly Dirty, or Very Dirty.
b. Wet Well Cleaned in 2017.
c. Flow Meter Building

SME
SEVEE & MAHER
ENGINEERS

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info@smemaine.com
smemaine.com

MEMO TO: Mike Barden, State of Maine **(via email)**

CC: Matt Muzzy, Sevee & Maher Engineers, Inc.

FROM: Brian Pierce, Sevee & Maher Engineers, Inc. BOP

DATE: September 7, 2017

SUBJECT: **LANDFILL LEACHATE POND INSPECTION**
DOLBY LANDFILL FACILITY
EAST MILLINOCKET, MAINE

The Dolby Landfill Leachate Pond inspection was performed by Brian Pierce and of Sevee & Maher Engineers, Inc. (SME) on August 24, 2017. SME was accompanied by Michael Barden of the Maine Department of Economic and Community Development (MEDECD), Dick Angotti of Mid-South Engineering (MSE), and Lou Pizzuti and Kathy Tarbuck of the Maine Department of Environmental Protection (MEDEP). The previous three days, prior to the inspection, ACV Environmental of Skowhegan, Maine cleaned and vacuumed the pond liner to remove sediment and leachate. Sludge removed from the leachate pond was disposed of within a bermed disposal area in the southeast corner of the Dolby III Landfill.

Leachate pond inspection methodology included observation of geomembrane seams, panels, and pipe boots within the leachate pond. No testing was performed as part of the inspection.

The geomembrane was observed to be in generally good condition. One small hole was noted in the geomembrane on Panel P-12. The hole was roughly the size of the tip of a pen and appeared to be all the way through the liner. The location was near the ice line in the pond and SME believes it is likely the result of ice damage.

Several surficial scratches and dents were noted on the geomembrane surface. The scratches appeared to be the result of cleaning equipment (likely squeegees) with sharp edges. Most scratches were shallow and did not extend past the texture of the liner, however, some were deeper. The location of the deeper scratches were noted during the liner inspection and their locations were documented (see Figure 1).

Some small areas of liquid trapped between the leachate pond's primary and secondary liners were noted on the west side of the leachate pond. The trapped liquid is in localized low spots and requires no further investigations.

Pipe boots for all three penetrations (24-inch diameter pond inlet pipe, 12-inch diameter pump station inlet pipe, and 6-inch diameter pump-out pipe) were observed to be in good condition during the inspection. Caulk sealant was observed to be peeling on the 24-inch diameter inlet pipe penetration; however, the extent of peeling was similar to that which was observed after the last pond cleaning in 2014 and no replacement action was taken.

SME and MEDEP discussed the hole in Panel P-12 and agreed that it should be repaired as its elevation is within the operating range for the pond. Scratches and dents were also discussed and it was decided that no immediate action was required for these items, however, the scratches should be inspected after the next pond cleaning. Scratches were likely the result of cleaning equipment (squeegees) with sharp edges that were used during bulk sediment removal. SME recommends a review of all equipment to be used for future pond cleanings.

On August 25, 2017, RTD visited the site to make repairs to the leachate pond primary geomembrane. All accessible holes, scratches, and dents in the primary geomembrane liner that were accessible were repaired by grinding and application of a molten bead of HDPE (extrusion welding) the area of damage. Several scratches in the southeast corner of the leachate pond could not be repaired as leachate was covering them. Dick Angotti (MSE) observed all geomembrane repair work. All repairs are noted on attached Figure 1.

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

Thank you.

Attachments

ATTACHMENT 1

FIGURE 1

SME
SEVEE & MAHER
ENGINEERS

NOTES:

1. LOCATION OF PANELS, REPAIRS AND DESTRUCTIVE SEAM TEST LOCATIONS WERE MEASURED RELATIVE TO THE INNER EDGE OF THE ANCHOR TRENCH, TIE-IN SEAMS, OR BUTT TIE-IN SEAMS AND ARE APPROXIMATE.

2. LENGTH OF PANELS SHOWN ON THIS PLAN ARE AS MEASURED IN THE FIELD. GEOMEMBRANE PANELS ARE 22' WIDE UNLESS NOTED IN PANEL PLACEMENT OR SEAMING LOGS. THE ACTUAL GEOMEMBRANE PANEL LENGTHS AS MEASURED IN THE FIELD MAY BE LONGER THAN SHOWN ON THIS LAYOUT.

3. GEOMEMBRANE IS 60 MIL TEXTURED HDPE GEOMEMBRANE WITH SMOOTH EDGE AS MANUFACTURED BY SOLMAX INTERNATIONAL OF QUEBEC, CANADA.

4. GEOMEMBRANE LINER INSTALLED BY RTD ENTERPRISES OF MADISON, MAINE. INSTALLATION WAS COMPLETED ON OCTOBER 2, 2007.

5. GEOMEMBRANE DAMAGE AS NOTED AND FIELD MEASURED BY SME AUGUST 20, 2014 AND AUGUST 24, 2017.

LEGEND

P-1	PRIMARY PANEL #1
DT-1	DESTRUCTIVE SEAM TEST #1
	DENT OR SCRATCH NOTED (2014)
	DENT OR SCRATCH NOTED (2017)
	REPAIRED BY RTD ON AUGUST 25, 2017

25 0 50 100 FEET

FIGURE 1
LEACHATE POND
PRIMARY GEOMEMBRANE DAMAGE
KATAHDIN PAPER COMPANY LLC
EAST MILLINOCKET, MAINE
DOLBY III LANDFILL

SME
Sevee & Maher Engineers, Inc.
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

DWG: LPOND LMN: DAMAGE CTB: SME-STD REV: 8/28/2017

ATTACHMENT 2

LEACHATE POND CLEANING AND INSPECTION PHOTOS

SME
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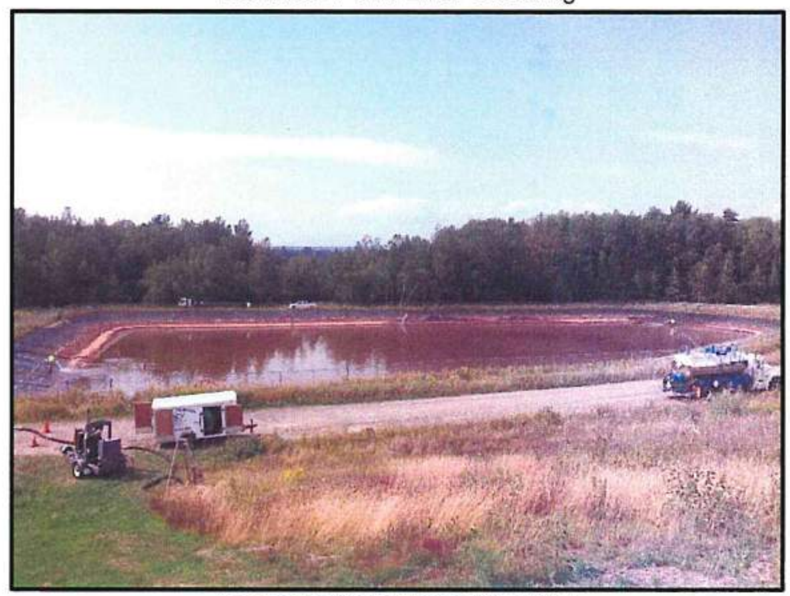
ENGINEERS

Leachate Pond Cleaning and Inspection Photos
Dolby Landfill
East Millinocket, Maine


Leachate Pond Liner Cleaning


Leachate Pond Liner Cleaning


Leachate Pond Liner Cleaning


Leachate Pond Liner Cleaning

Leachate Pond Cleaning and Inspection Photos
Dolby Landfill
East Millinocket, Maine

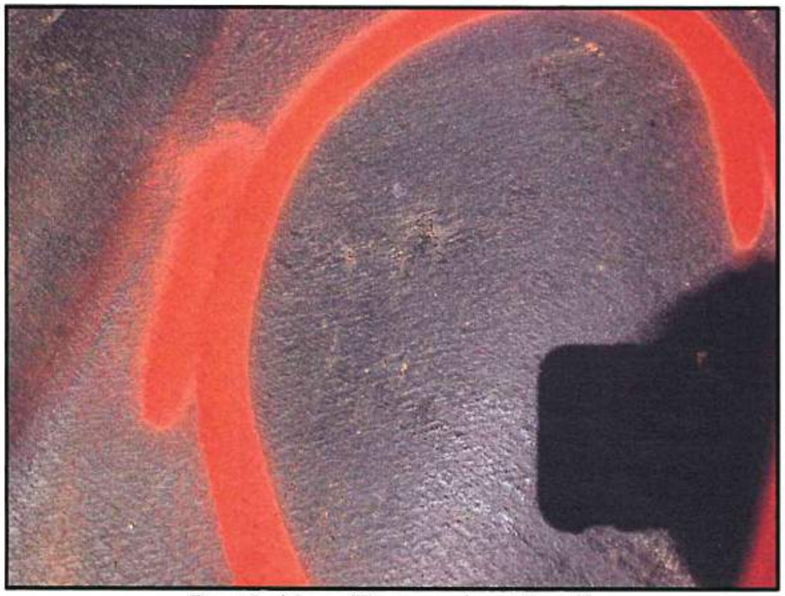

Leachate Pond Liner Cleaning


Leachate Pond Liner Cleaning

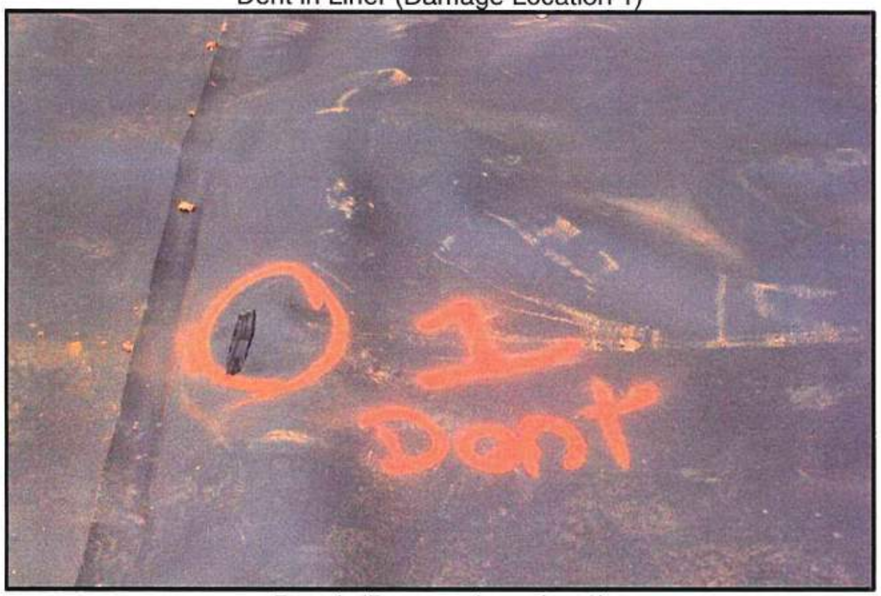

Leachate Pond Liner Cleaning


Leachate Pond Sediment Disposal Area

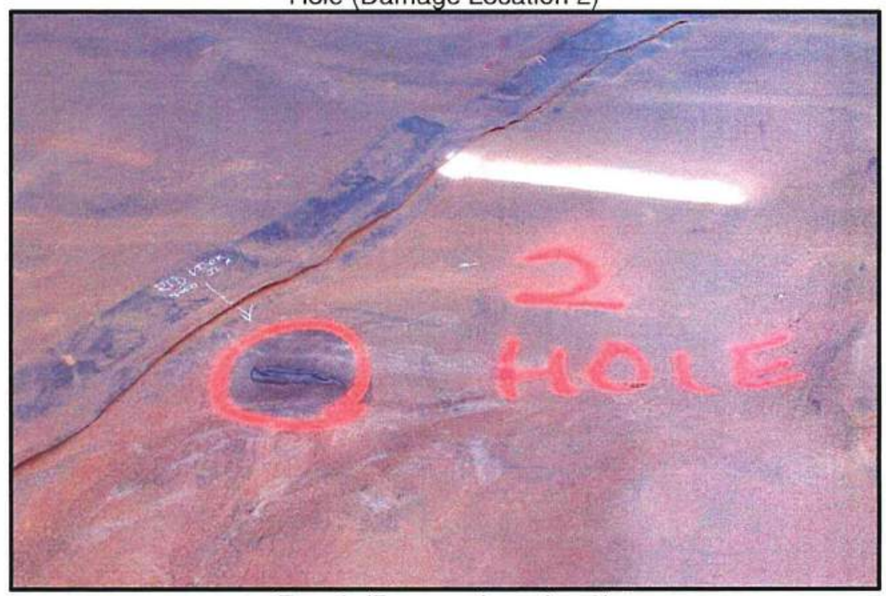
Leachate Pond Cleaning and Inspection Photos
Dolby Landfill
East Millinocket, Maine


Dent in Liner (Damage Location 1)


Hole (Damage Location 2)



Repair (Damage Location 1)

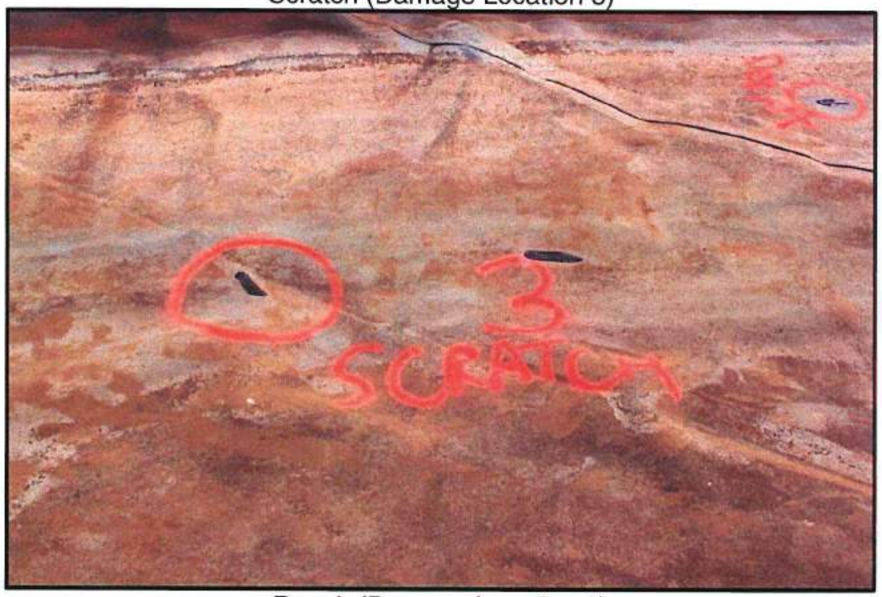


Repair (Damage Location 2)

Leachate Pond Cleaning and Inspection Photos
Dolby Landfill
East Millinocket, Maine

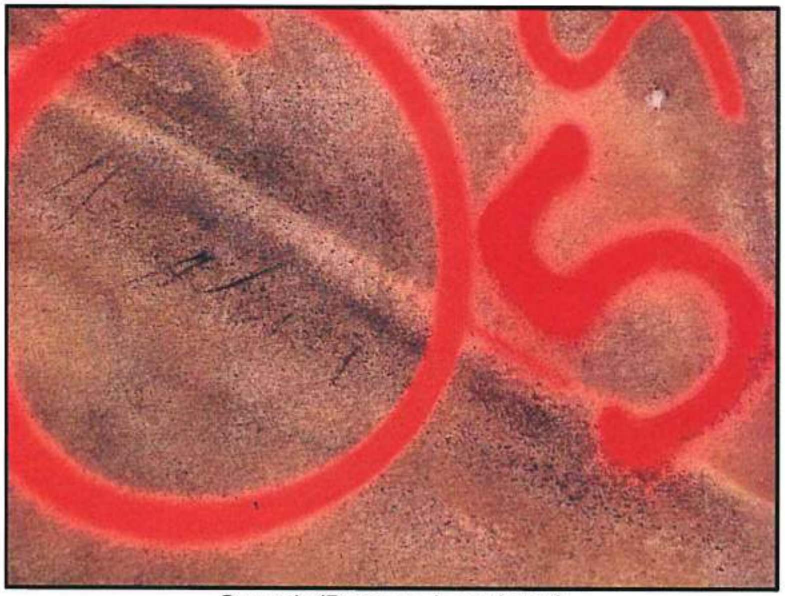
Scratch (Damage Location 3)

Dent (Damage Location 4)



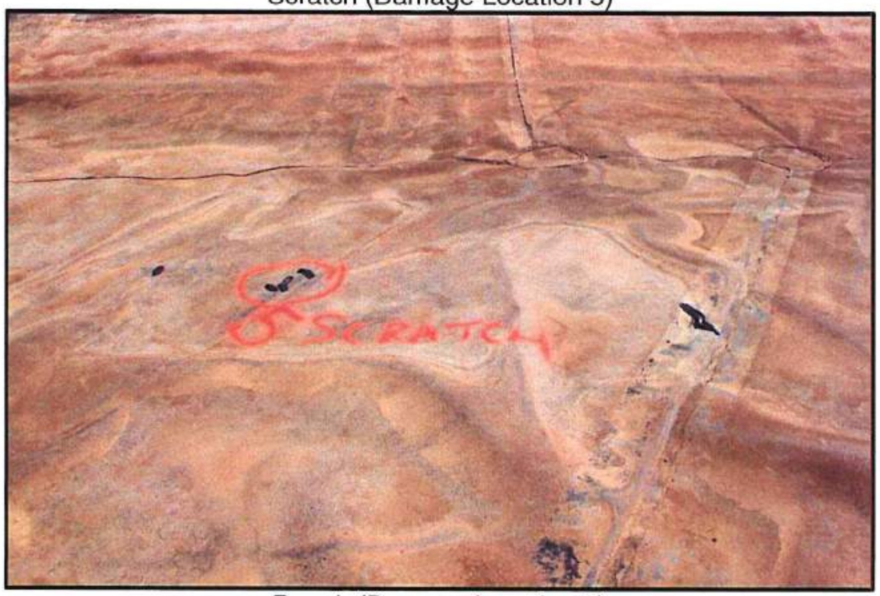
Repair (Damage Location 3)

Repair (Damage Location 4)



Scratch (Damage Location 5)

Scratch (Damage Location 6)

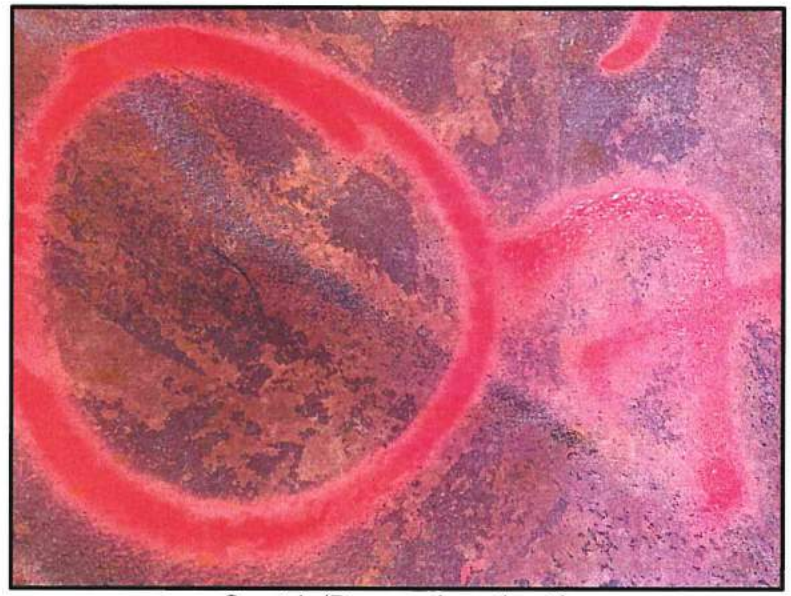


Repair (Damage Location 5)

Scratch (Damage Location 6)

Leachate Pond Cleaning and Inspection Photos
Dolby Landfill
East Millinocket, Maine

Scratch (Damage Location 6)

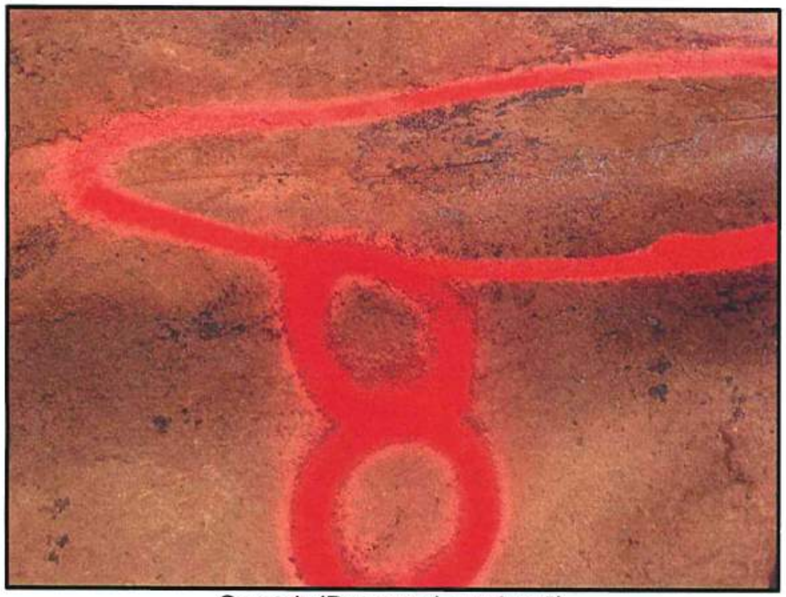


Scratch (Damage Location 7)

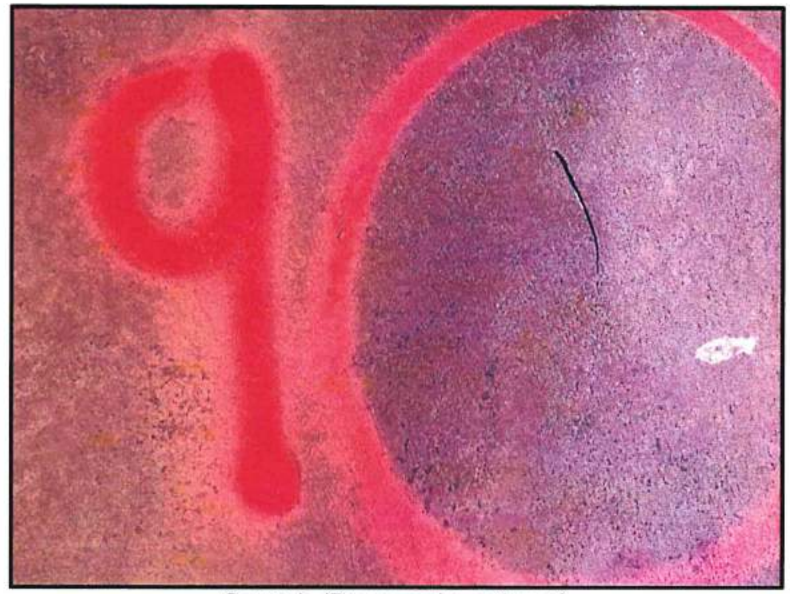
Repair (Damage Location 6)

Repair (Damage Location 7)

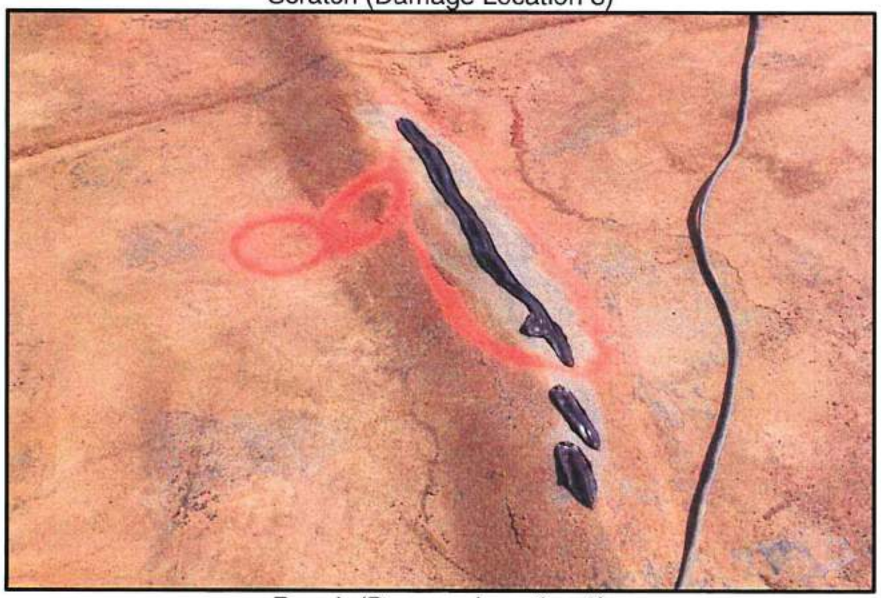
Leachate Pond Cleaning and Inspection Photos
Dolby Landfill
East Millinocket, Maine



Scratch (Damage Location 8)



Scratch (Damage Location 9)



Repair (Damage Location 8)

Repair (Damage Location 9)

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: 2017

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:

Chapter 400 Requirements

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

If no, reason the fee was not submitted: MEDEP needs to submit an invoice to BGS for the annual fee.

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:4/27/2017) ☐ 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

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: _____

* 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: Note, minimal waste was placed in 2017. When appropriate, daily cover (i.e., sludge or soil) was placed over waste to control potential for wind erosion.

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: _____

Evaluator

Manager, State Owned Landfills
Title

4/23/18
Date

APPENDIX B

WASTE LOGS

SME
SEVEE & MAHER
ENGINEERS

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
January-2017

	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	No. of Truck Loads
1																						
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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	0

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

\\Nserver\cfs\Kpc\Dol\Xls\2017\2017 Waste Disposed.xls
11/29/2017

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
February-2017

	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																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
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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.

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
March-2017

	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.

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
April-2017

	WASTE DISPOSAL (Cubic Yards[1])																					
	EAST MILLINOCKET					MILLINOCKET						OTHER										
Day	WWTP Sludge	RFP Sludge	Wood Yard	Trash	Ash	WWTP Sludge	Trash	Wood Yard	Ash	oodlands	Liquor Sludge	Andino	Signal Sherman	Oily Waste	Coal Ash	Asbestos	Cover Material	Constructio n 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	0	0	0

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

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
May-2017

	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	No. of Truck Loads
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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	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.

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
June-2017

Day	WASTE DISPOSAL (Cubic Yards[1])																					No. of Truck Loads
	EAST MILLINOCKET					MILLINOCKET						OTHER										
	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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31																						
Total Yards	0	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 weight as reported by D&S Engineering and assuming ash weight of 65 lb/CY.
1. Waste Disposal Quantities based on truck count as reported by Mid South Engineering.

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
July-2017

	WASTE DISPOSAL (Cubic Yards)																					
	EAST MILLINOCKET					MILLINOCKET						OTHER										No. of Truck Loads
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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Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
August-2017

	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
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23					91				126							132		3			
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Total Yards	0	0	0	0	91	0	0	0	126	0	0	0	0	0	0	132	0	3	0	0	0

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

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
September-2017

	WASTE DISPOSAL (Cubic Yards)																					
	EAST MILLINOCKET					MILLINOCKET						OTHER										No. of Truck Loads
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									14													3
29						26			92													12
30																						
31																						
Total Yards	0	0	0	0	0	26	0	0	106	0	0	0	0	0	0	0	0	0	0	0	0	15

Notes:
1. All volumes and truck loads as reported by Mid-South Engineering.

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
October-2017

	WASTE DISPOSAL (Cubic Yards)																					
	EAST MILLINOCKET					MILLINOCKET						OTHER										No. of Truck Loads
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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Total Yards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
November-2017

	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	No. of Truck Loads
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30																						
Total Yards	0	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.

ATTACHMENT 2
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
WASTE DISPOSAL AT DOLBY LANDFILL
December-2017

	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	No. of Truck Loads
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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	0	0	0

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

APPENDIX C-1

WATER QUALITY DATA SUMMARY TABLES

SME
SEVEE & MAHER
ENGINEERS

SUMMARY REPORT

Field Parameters

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

(103)

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
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

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)											
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	I
11/13/2017	XX	GW103X3AC	25	7	9.3	13.95	425.62	439.57	16.09	9.9	0.2
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
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

SUMMARY REPORT

Field Parameters

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
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

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
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
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

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

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
(107A)											
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
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
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

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
10/26/2010	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

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
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
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

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

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
(202AR)											
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
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

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
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
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

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
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

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
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
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
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

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
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
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

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
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

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
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
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

SUMMARY REPORT

Field Parameters

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

(206B)

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
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
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

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
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

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
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
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

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

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
(301)											
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
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
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

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
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

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
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
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

SUMMARY REPORT

Field Parameters

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
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

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
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

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
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
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

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
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

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

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Depth Feet	Water Level Elevation Feet	Water Level Reference Point Feet	Well Depth Feet	Dissolved Oxygen mg/L	Turbidity (field) NTU
(303B)											
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
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
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

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FOR: Dolby Landfill

SUMMARY REPORT

Field Parameters

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
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
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

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
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

SUMMARY REPORT

Field Parameters

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
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
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

401A

SUMMARY REPORT

Field Parameters

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
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
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

(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
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

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
5/3/2000	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
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

SUMMARY REPORT

Field Parameters

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
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
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
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

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
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

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
5/3/2000	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
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

(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
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

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

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
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
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						
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

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
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
LPD2											
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

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
11/16/2017	XX	LTXXXX3A7	285	6.8	3.7					3.4	5.6

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
5/3/2000	XX	NDXX36649	D	D	D						
8/9/2000	XX	NDXX36747	D	D	D						
11/8/2000	XX	NDXX36838	D	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
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

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
11/5/2015	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
11/16/2017	XX	SWXXXX3A2	D	D	D					D	D

PBFR

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	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

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
5/3/2000	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
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

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
5/21/2007	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

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
5/3/2000	XX	SPOXX36649	D	D	D						
8/9/2000	XX	SPOXX36747	D	D	D						
11/8/2000	XX	SPOXX36838	D	D	D						
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

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
5/12/2005	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
11/16/2017	XX	SWXXXX3A3	D	D	D					D	D

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
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

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
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
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

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
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

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.
F6 - No flow. Sample not taken.
I - The sampling location yielded insufficient quantity to collect a sample.
U - Not Detected above the laboratory reporting limit.
Z3 - Reference Point (Top of PVC) Changed.

REPORT PREPARED: 1/18/2018 08:16

FOR: Dolby Landfill

SUMMARY REPORT

EPH (part 1 of 2)

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

(301)

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
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
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
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
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
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

REPORT PREPARED: 1/18/2018 08:16 FOR: Dolby Landfill	SUMMARY REPORT EPH (part 1 of 2)	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

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.

REPORT PREPARED: 1/18/2018 08:17

FOR: Dolby Landfill

SUMMARY REPORT

EPH (part 2 of 2)

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

(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
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
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
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
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

SEVEE & MAHER ENGINEERS, INC.
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

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.

REPORT PREPARED: 1/18/2018 08:17

FOR: Dolby Landfill

SUMMARY REPORT

VPH

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
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
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
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
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

(QCBT)

QCBT

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
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

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.

SUMMARY REPORT

Inorganics

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

(104B)

104B

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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	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

(104B) Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
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
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

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(107A)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
8/11/2009	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

202AR

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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	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
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

(202AR)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/10/2007	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
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

(202B)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
4/28/2004	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
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
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

SUMMARY REPORT

Inorganics

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

(205A)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
10/17/2001	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
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

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

(205A)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
8/30/2017	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
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
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

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

(205B)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
8/19/2014	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

206A

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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

(206A)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/17/2011	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
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
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

(206B)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/5/2009	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
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

301

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/3/2000	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

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(301)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/9/2007	XX	GW301X0A7	0.5 U	0.5 U		500	3.2	27	500	420	442	1.1	38
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
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
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

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

(302B) Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/4/2004	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
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

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

(302C)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
7/31/2001	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
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

(302C)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
8/20/2014	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

303A

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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	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
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

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

(303A)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
10/21/2009	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

303B

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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	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

(303B)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
10/29/2007	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
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

304A

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/3/2000	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

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(304A)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
7/28/2005	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
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

(304A)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
11/8/2016	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

304B

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/3/2000	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

SUMMARY REPORT

Inorganics

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

(304B)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
10/31/2012	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
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

401A

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/3/2000	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
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

(401A)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
8/17/2010	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

401B

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/3/2000	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
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

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

(401B)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
8/20/2008	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

402A

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/3/2000	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
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

SUMMARY REPORT

Inorganics

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

(402A)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
8/2/2006	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

402B

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/3/2000	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

SUMMARY REPORT

Inorganics

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

(402B)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/11/2004	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
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

LDS

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
6/10/2008	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

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

(LDS)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/7/2009	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
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

LPD2

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/19/2005	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

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
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(LPD2)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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	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
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
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

SUMMARY REPORT

Inorganics

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

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
(ND)													
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
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
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

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

(PBF)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/21/2007	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
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

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/14/2012	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

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

(PBFR)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
11/16/2017	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

PBFB

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
5/3/2000	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
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

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

(PBFB)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
9/3/2015	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
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
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

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

(SPO) Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
7/24/2013	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
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
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

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
(SPON)													
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
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
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

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

(SPOS)			Ammonia (N)	Nitrate (N)	Phosphate 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

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.

REPORT PREPARED: 1/18/2018 08:21

FOR: Dolby Landfill

SUMMARY REPORT

LP Inorganics

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

(LP)

LP

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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
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	

REPORT PREPARED: 1/18/2018 08:21

FOR: Dolby Landfill

SUMMARY REPORT

LP Inorganics

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

(LP)

Date	Type	Sample ID	Ammonia (N) mg/L	Nitrate (N) mg/L	Phosphate 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	Phosphate 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		

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.

SUMMARY REPORT

Metals

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

(103)

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
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

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
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

(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

107A

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
5/3/2000	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
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

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

(107A)

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
6/4/2014	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
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
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

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

(202AR)

202AR

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
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
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

(202AR)

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
11/12/2014	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

202B

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
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
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

(202B)

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
8/15/2012	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

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
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
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

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(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
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

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
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

(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
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
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

206A

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
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

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(206A)

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
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
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
206B										
4/27/2000	XX	206BXX36643				0.02 U		0.12	3.18	2.42
8/2/2000	XX	206BXX36740				D		D	D	D

(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
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
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

(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
8/30/2017	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

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
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

(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
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
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

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
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
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

(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
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

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
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
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

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
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
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

303A

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
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

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

(303A)

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
10/17/2001	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
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

(303B)

303B

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
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
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

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

(303B)

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
11/3/2015	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

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
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
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

(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
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
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

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
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

(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
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
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

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
5/3/2000	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
5/22/2002	XX	401AXX37398	0.13	14.9		0.066	5.5	0.01	1.544	9.6

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(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
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

401B

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
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
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

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
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

402A

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
5/3/2000	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
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

(402A)

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	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

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
5/3/2000	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
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

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
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

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
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
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

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
(LDS)										
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
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
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
ND										
5/3/2000	XX	NDXX36649				D				D
8/9/2000	XX	NDXX36747				D				D

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

(ND)

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
11/8/2000	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
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

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

(ND)

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
8/31/2017	XX	SWXXXX388	D	D		D	D	D	D	D
11/16/2017	XX	SWXXXX3A2	D	D		D	D	D	D	D
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
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

(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
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
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

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
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
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

(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
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

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
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
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

SUMMARY REPORT

Metals

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
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

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
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

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
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

SPOS

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
5/12/2005	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

REPORT PREPARED: 1/18/2018 08:19

FOR: Dolby Landfill

SUMMARY REPORT

Metals

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

(SPOS)

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
10/21/2010	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

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.

REPORT PREPARED: 3/5/2018 14:06

FOR: Dolby Landfill

SUMMARY REPORT

LP Metals (part 1 of 2)

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

(LP)

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
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

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.

REPORT PREPARED: 3/5/2018 14:07

FOR: Dolby Landfill

SUMMARY REPORT

LP Metals (part 2 of 2)

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

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.

DATE: 3/5/2018 14:07 FOR: Dolby Landfill	WATER LEVEL SUMMARY Water Levels	SEVEE & MAHER ENGINEERS, INC. 4 BLANCHARD ROAD CUMBERLAND CENTER, ME 04021

Location Date	Height Above Measuring Point (feet)	Depth Below Measuring Point (feet)	Measuring Point Elevation (feet)	Water Level Elevation (feet)
302			Current ground surface elevation: (feet)	
5/17/2012		6.18		
8/16/2012		9.21		
10/30/2012		5.85		
5/21/2013		7.15		
7/25/2013		7.92		
10/3/2013		7.20		
6/2/2014		7.40		
8/20/2014		8.18		
11/14/2014		6.31		
6/5/2015		6.47		
9/3/2015		7.54		
11/5/2015		6.40		
6/15/2016		7.40		
9/22/2016		8.88		
11/10/2016		7.69		
6/12/2017		7.44		
8/31/2017		9.55		
11/16/2017		6.90		
403			Current ground surface elevation: (feet)	
5/17/2012		2.69		
8/15/2012		6.00		
10/30/2012		5.30		
5/21/2013		3.59		
7/25/2013		4.31		
10/3/2013		4.51		
6/2/2014		3.78		
8/20/2014		4.82		
11/14/2014		3.83		
6/5/2015		3.12		
9/3/2015		4.45		
11/5/2015		3.23		
6/15/2016		3.96		
9/22/2016		5.91		
11/10/2016		5.20		
6/12/2017		3.87		
8/31/2017		5.72		
11/16/2017		6.65		
404			Current ground surface elevation: (feet)	
5/17/2012		4.98		
8/15/2012		6.28		
10/30/2012		2.80		
5/21/2013		6.60		
7/25/2013		7.25		
10/3/2013		16.43		
6/2/2014		6.46		
8/20/2014		7.90		
11/14/2014		6.52		

WATER LEVEL SUMMARY

Water Levels

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

Location Date	Height Above Measuring Point (feet)	Depth Below Measuring Point (feet)	Measuring Point Elevation (feet)	Water Level Elevation (feet)
(404)				
6/5/2015		5.52		
9/3/2015		7.38		
11/5/2015		5.75		
6/15/2016		6.85		
9/22/2016		9.11		
11/10/2016		8.30		
6/12/2017		6.64		
8/31/2017		8.80		
11/16/2017		1.84		

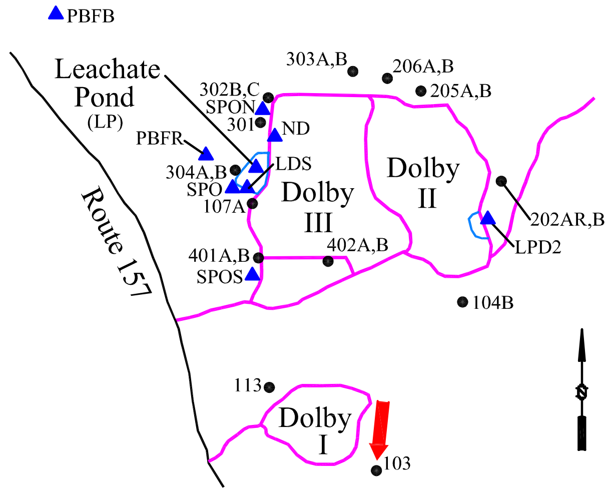
APPENDIX C-2

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		28	I	25	16	to	45	29	±	1	60
pH (STU)		6.3	I	7	4.58	to	9.1	6.3	±	0.079	60
Dissolved Oxygen (mg/L)		10.5	I	9.9	1	to	14.3	8.4	±	0.47	38

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

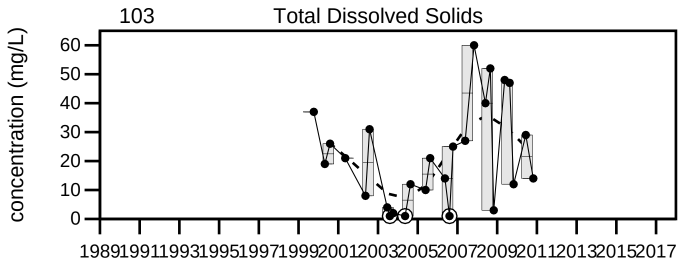
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

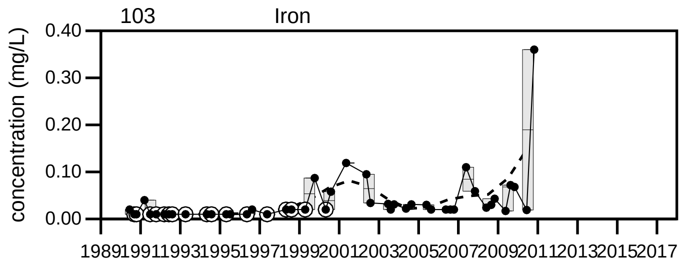
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

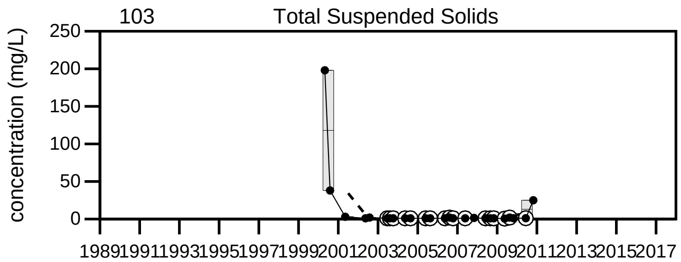
Comments

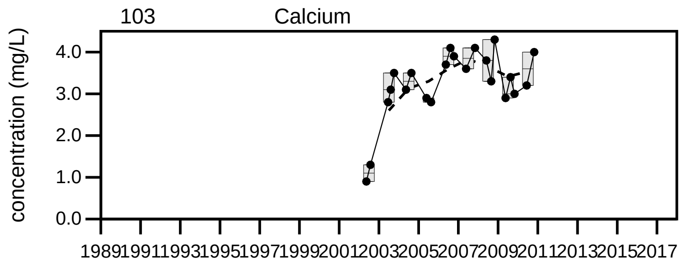
Q2= June 2017 Q3= August 2017 Q4= November 2017

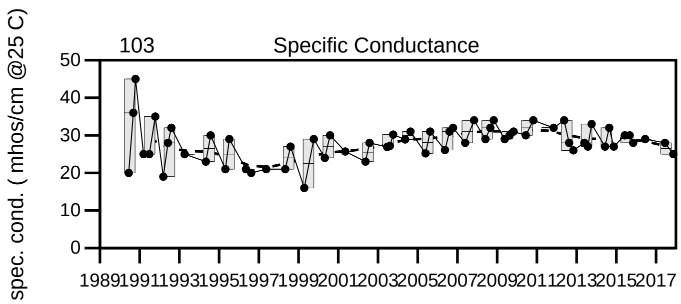
I=The sampling location yielded insufficient quantity to collect a sample.

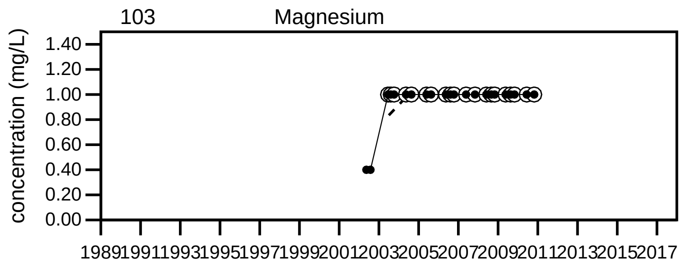


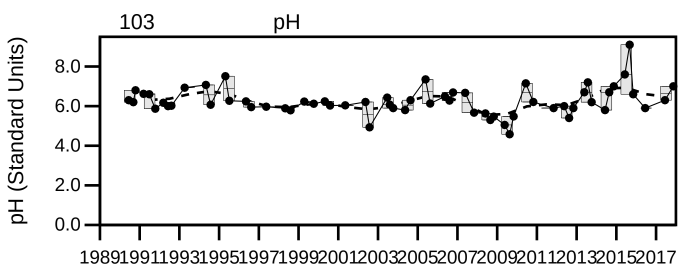


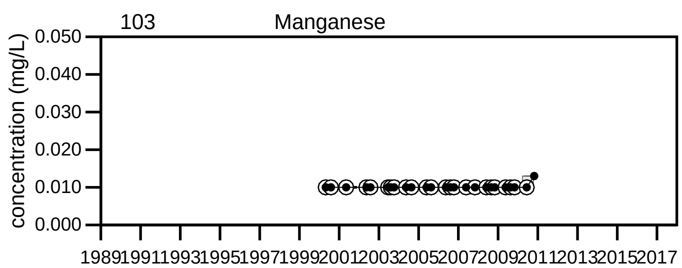


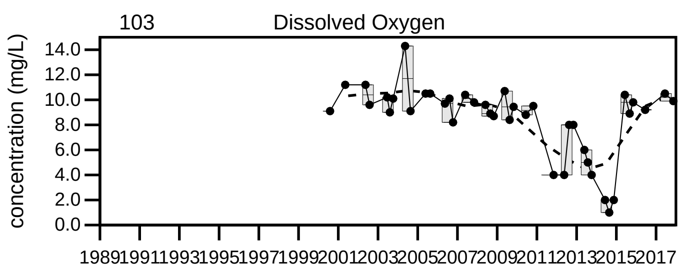


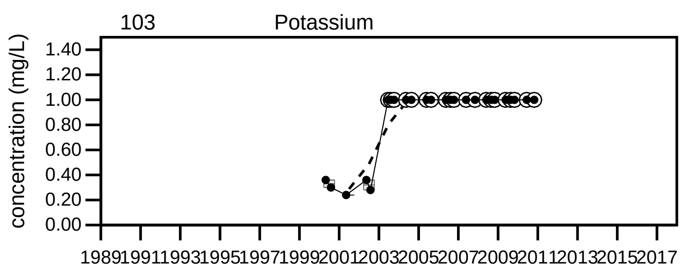


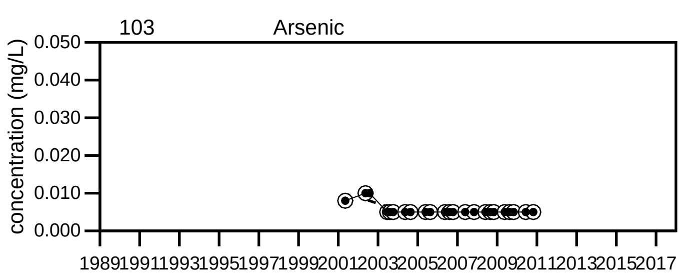


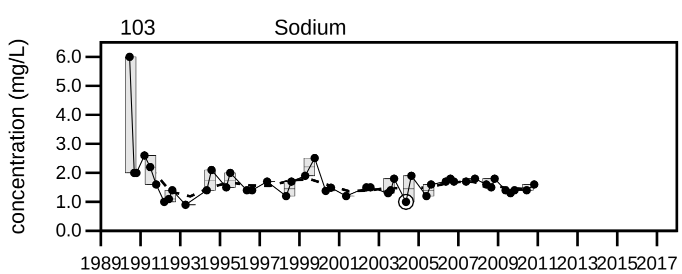












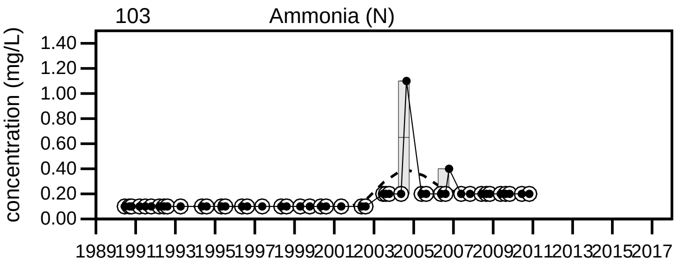
LEGEND

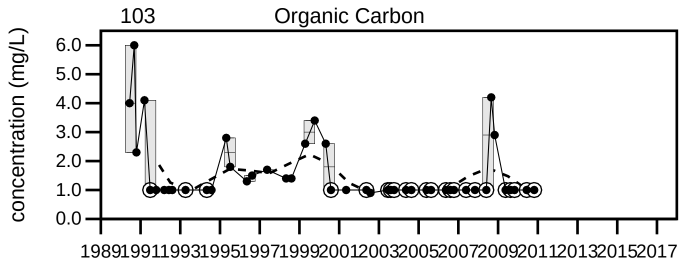
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

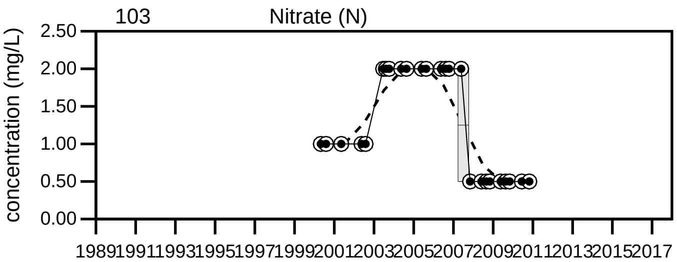
Dolby Landfill

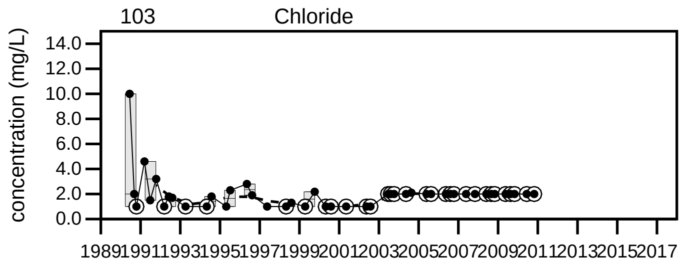
103

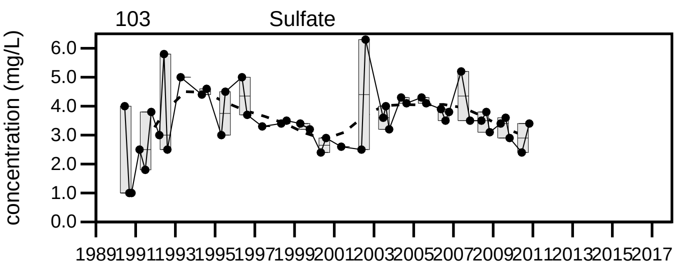
Sevee & Maher Engineers, Inc.

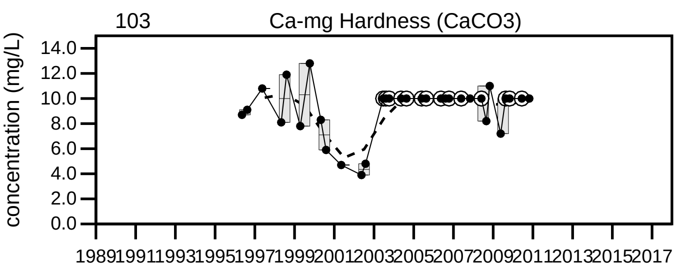


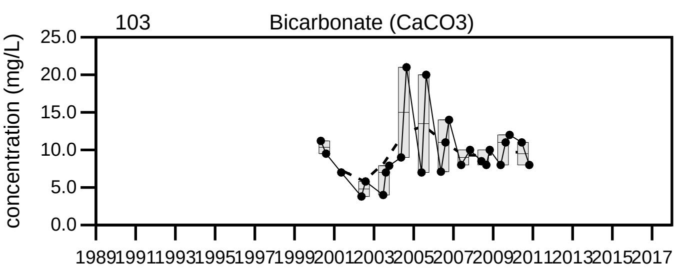


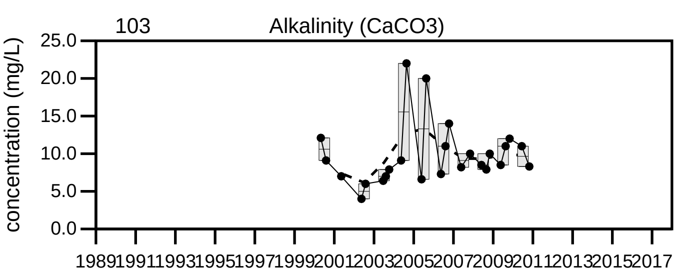












LEGEND

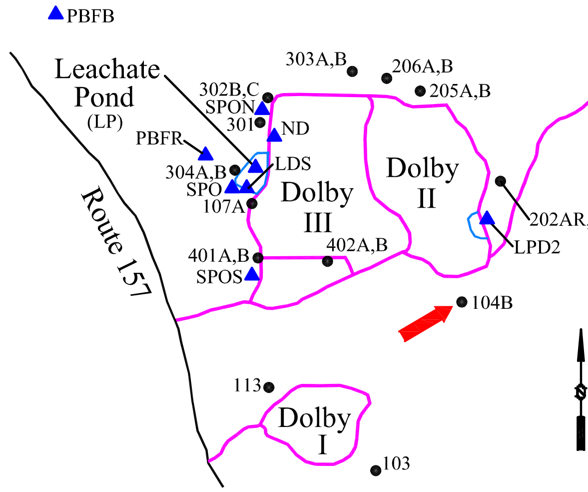
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

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

	2017				Historical (1/1/1990 - 12/31/2017)				
Indicator Parameters	Q1	Q2	Q3	Q4	Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		66	100	85	34	to 140	91	± 2.8	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to 186	5.5	± 3.6	51
Specific Conductance (µmhos/cm @25°C)		137	153	150	113	to 167	140	± 1.4	84
pH (STU)		8.1	8.2	8	6.34	to 8.31	7.6	± 0.041	83
Dissolved Oxygen (mg/L)		0.8	0.8	0.4	0.2	to 4	1	± 0.078	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.01 U	0.006	± 0.000	49
Iron (mg/L)		0.1 U	0.297	0.1 U	0.01 U	to 0.329	0.042	± 0.005	84
Calcium (mg/L)		21.9	22	22.1	9.1	to 27	21	± 0.54	45
Magnesium (mg/L)		1.83	1.76	1.7	1.5	to 2	1.7	± 0.019	45
Manganese (mg/L)		0.0277	0.0552	0.0166	0.014	to 0.132	0.042	± 0.003	51
Potassium (mg/L)		1.22	1.05	1	0.91	to 1.3	1	± 0.01	51
Sodium (mg/L)		4.32	4.5	4.51	3.3	to 5.3	4.3	± 0.059	84
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to 0.9	0.14	± 0.009	84
Nitrate (N) (mg/L)		0.11	0.065	0.05 U	0.05 U	to 2 U	0.81	± 0.099	51
Sulfate (mg/L)		18	17	16	11	to 19.8	16	± 0.23	84
Ca-mg Hardness (CaCO3) (mg/L)		62.2	62.2	62.2	29.2	to 76	58	± 1.4	63
Bicarbonate (CaCO3) (mg/L)		49	49	52	37	to 57	48	± 0.51	51
Alkalinity (CaCO3) (mg/L)		49	49	52	37	to 57	49	± 0.43	51
Organic Carbon (mg/L)		1 U	1 U	1 U	0.5 U	to 11	2.3	± 0.27	84
Chloride (mg/L)		3.1	2.6	2 U	1	to 10.3	2.9	± 0.15	84

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

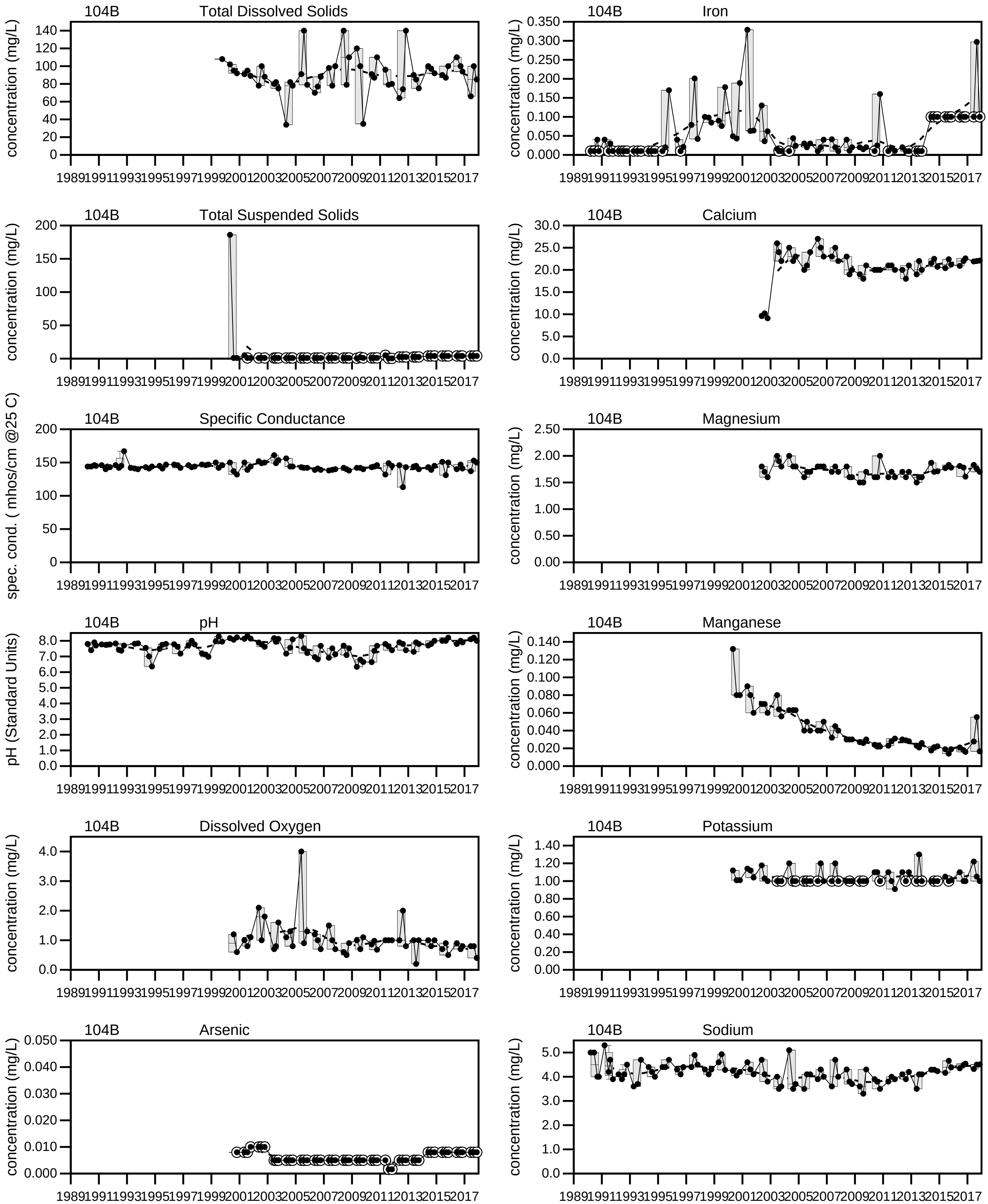
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.



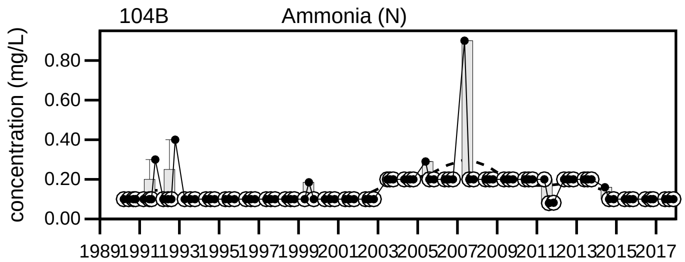
LEGEND

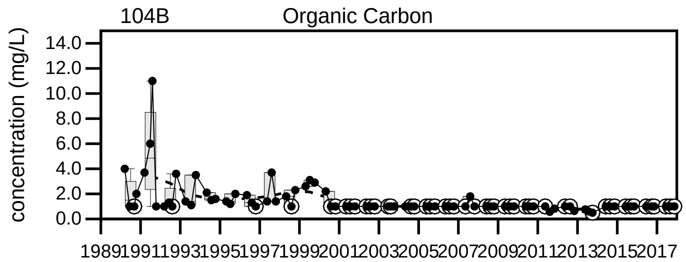
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

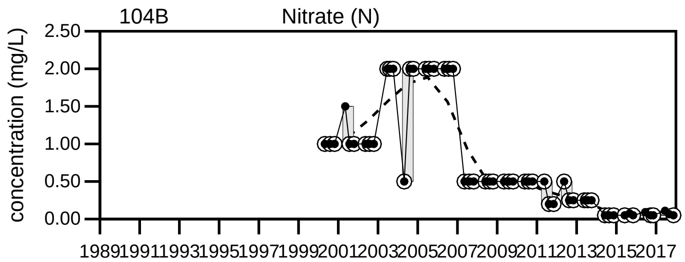
Dolby Landfill

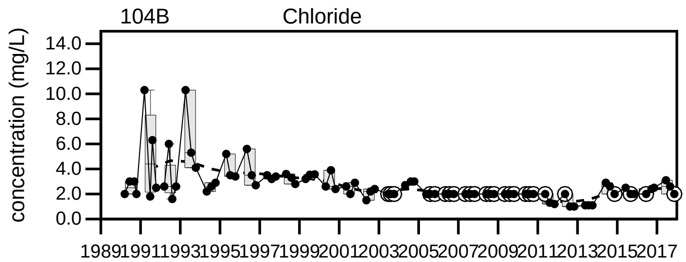
104B

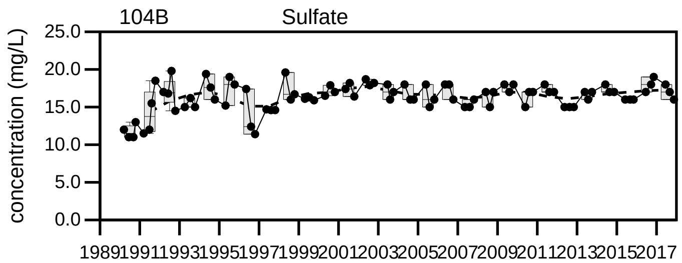
Sevee & Maher Engineers, Inc.

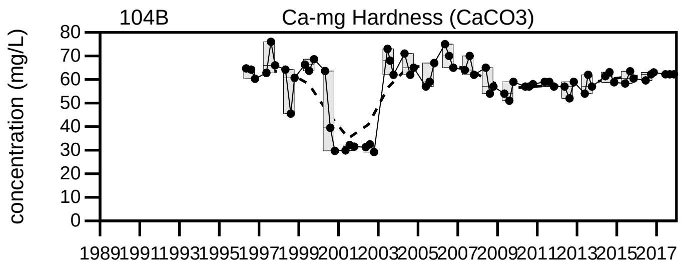


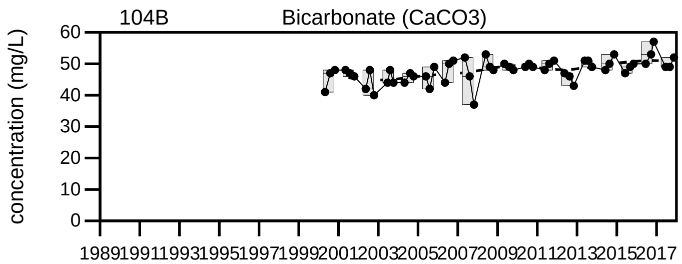


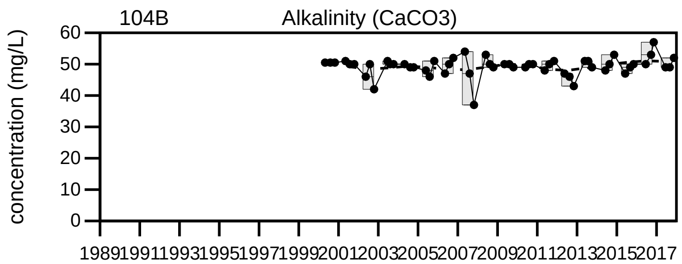












LEGEND

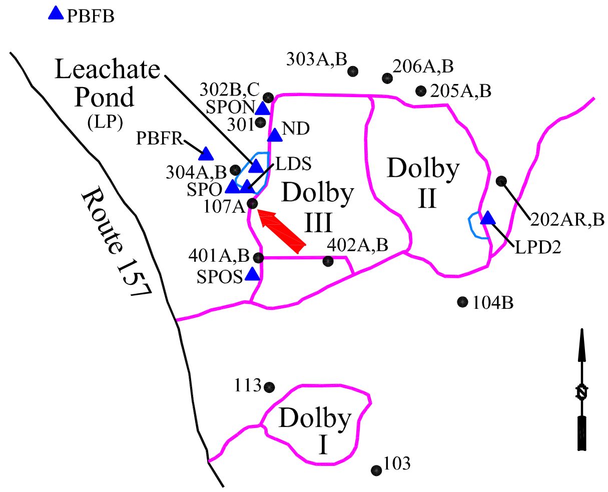
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

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

	2017				Historical (1/1/1990 - 12/31/2017)				
Indicator Parameters	Q1	Q2	Q3	Q4	Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		930	930	880	280	to 1834	680	± 55	52
Total Suspended Solids (mg/L)		4 U	4	4 U	0.32 U	to 43	3.1	± 0.83	51
Specific Conductance (µmhos/cm @25°C)		1271	1543	1415	279	to 2710	710	± 54	83
pH (STU)		6.5	6.7	6.7	5.98	to 7.07	6.7	± 0.031	84
Dissolved Oxygen (mg/L)		0.4	0.5	0.6	0.1	to 2	0.67	± 0.05	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.043	0.0077	± 0.001	49
Iron (mg/L)		0.519	0.678	0.597	0.01 U	to 1.85	0.27	± 0.036	84
Calcium (mg/L)		143	126	108	50	to 370.2	110	± 10	45
Magnesium (mg/L)		124	98.2	99.9	18.6	to 140	55	± 5.1	45
Manganese (mg/L)		↑ **72.5**	**43**	**36.2**	0.79	to 61	20	± 2.2	51
Potassium (mg/L)		12.2	13.6	24	1.1	to 28.9	3.6	± 0.56	51
Sodium (mg/L)		**52.4**	**47.3**	**56**	4.6	to 93.2	23	± 2	79
Ammonia (N) (mg/L)		0.26	0.59	1.5	0.08 U	to 2.2	0.16	± 0.02	84
Nitrate (N) (mg/L)		0.15	0.05 U	0.05 U	0.05 U	to 2	0.93	± 0.11	51
Sulfate (mg/L)		1 U	1 U	1 U	1 U	to 21.8	10	± 0.36	84
Ca-mg Hardness (CaCO3) (mg/L)		867	720	682	112.5	to 1548.1	410	± 32	84
Bicarbonate (CaCO3) (mg/L)		900	840	880	240	to 1429	520	± 40	51
Alkalinity (CaCO3) (mg/L)		900	840	880	250	to 1440	550	± 43	51
Organic Carbon (mg/L)		25	17	16	1 U	to 79.9	8	± 1	84
Chloride (mg/L)		88	57	42	1 U	to 222	47	± 4.3	84

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

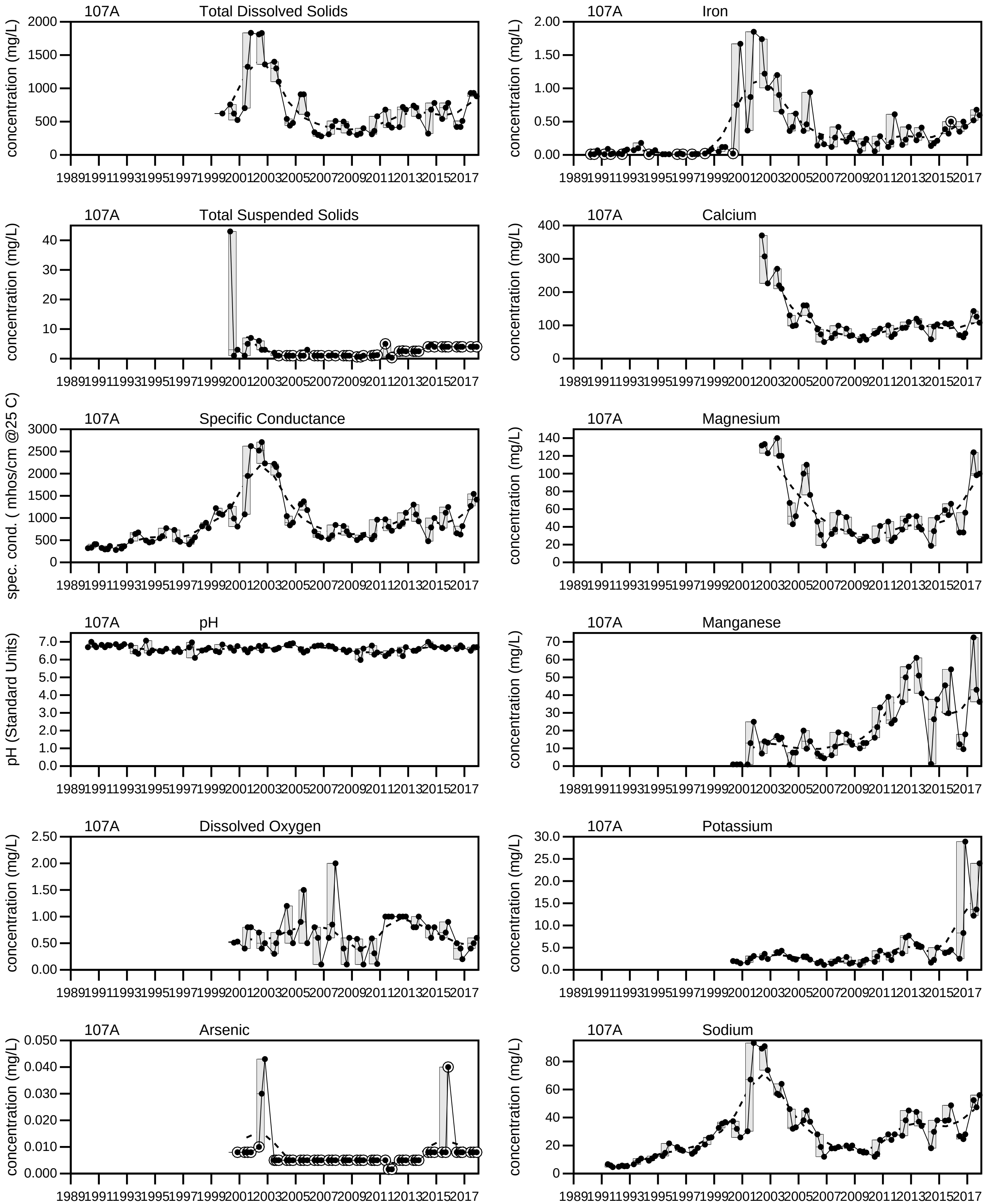
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.



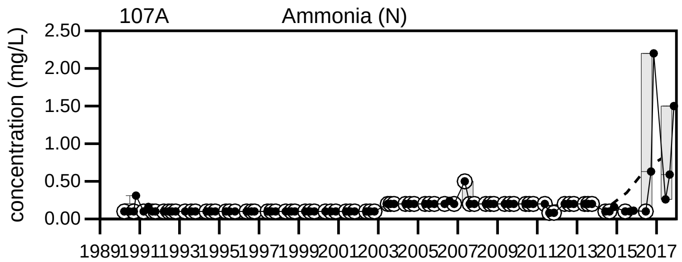
LEGEND

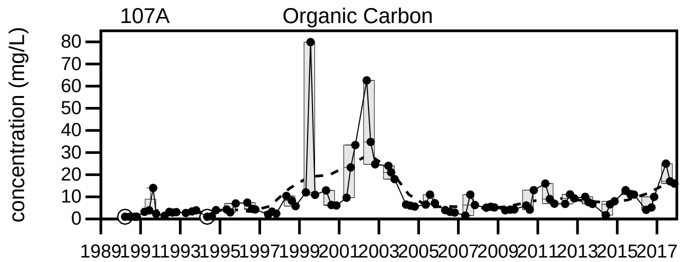
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

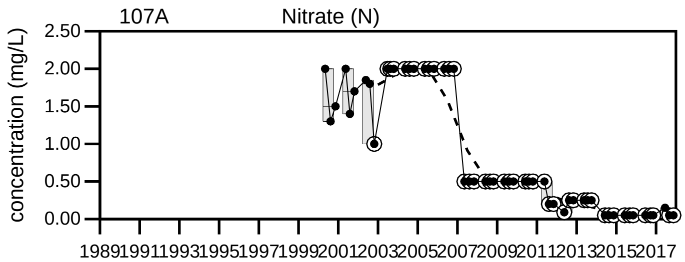
Dolby Landfill

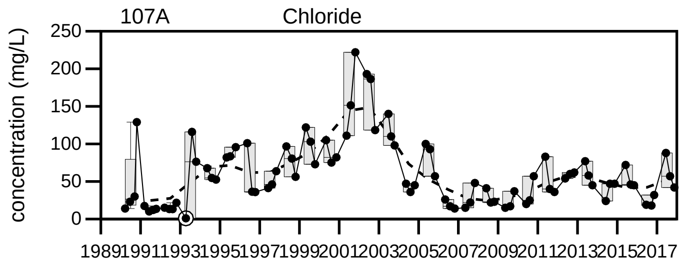
107A

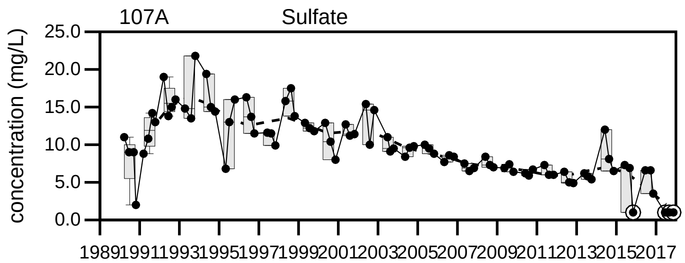
Sevee & Maher Engineers, Inc.

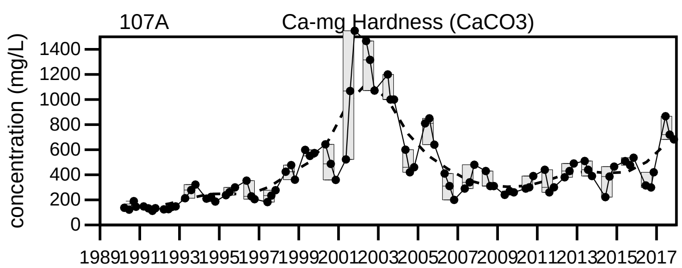


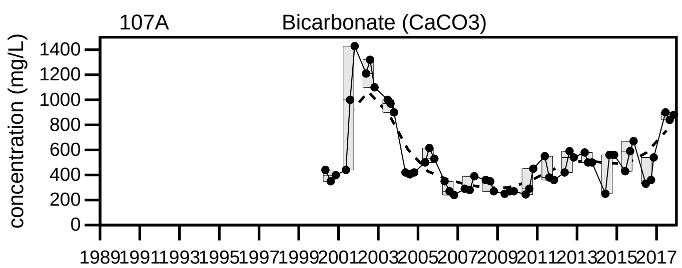


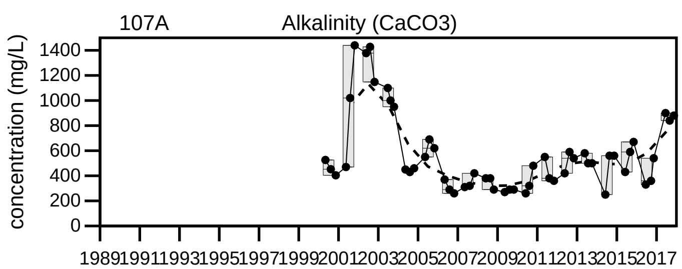


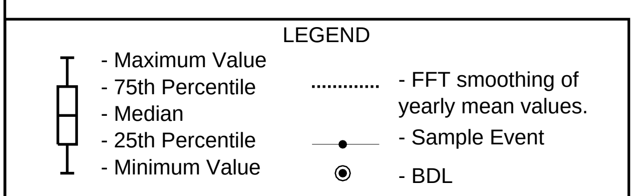












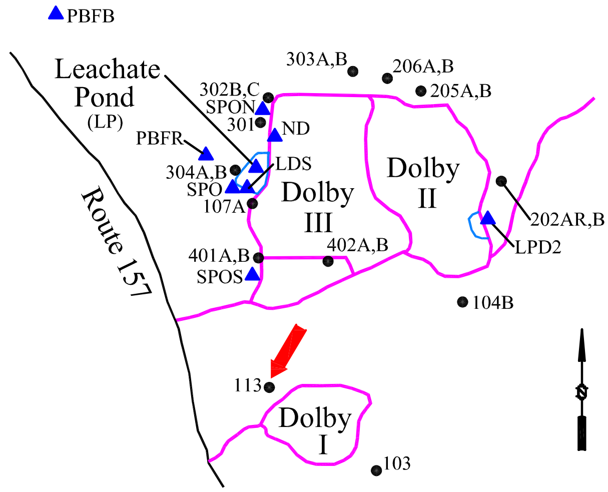
Dolby Landfill

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

	2017				Historical (1/1/1990 - 12/31/2017)				
Indicator Parameters	Q1	Q2	Q3	Q4	Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		924	1094	1023	924	to 1630	1300	± 25	80
pH (STU)		6.4	6.6	6.3	6	to 6.9	6.5	± 0.021	80
Dissolved Oxygen (mg/L)		0.1	0.8	1.5	0.1	to 3	0.71	± 0.078	48

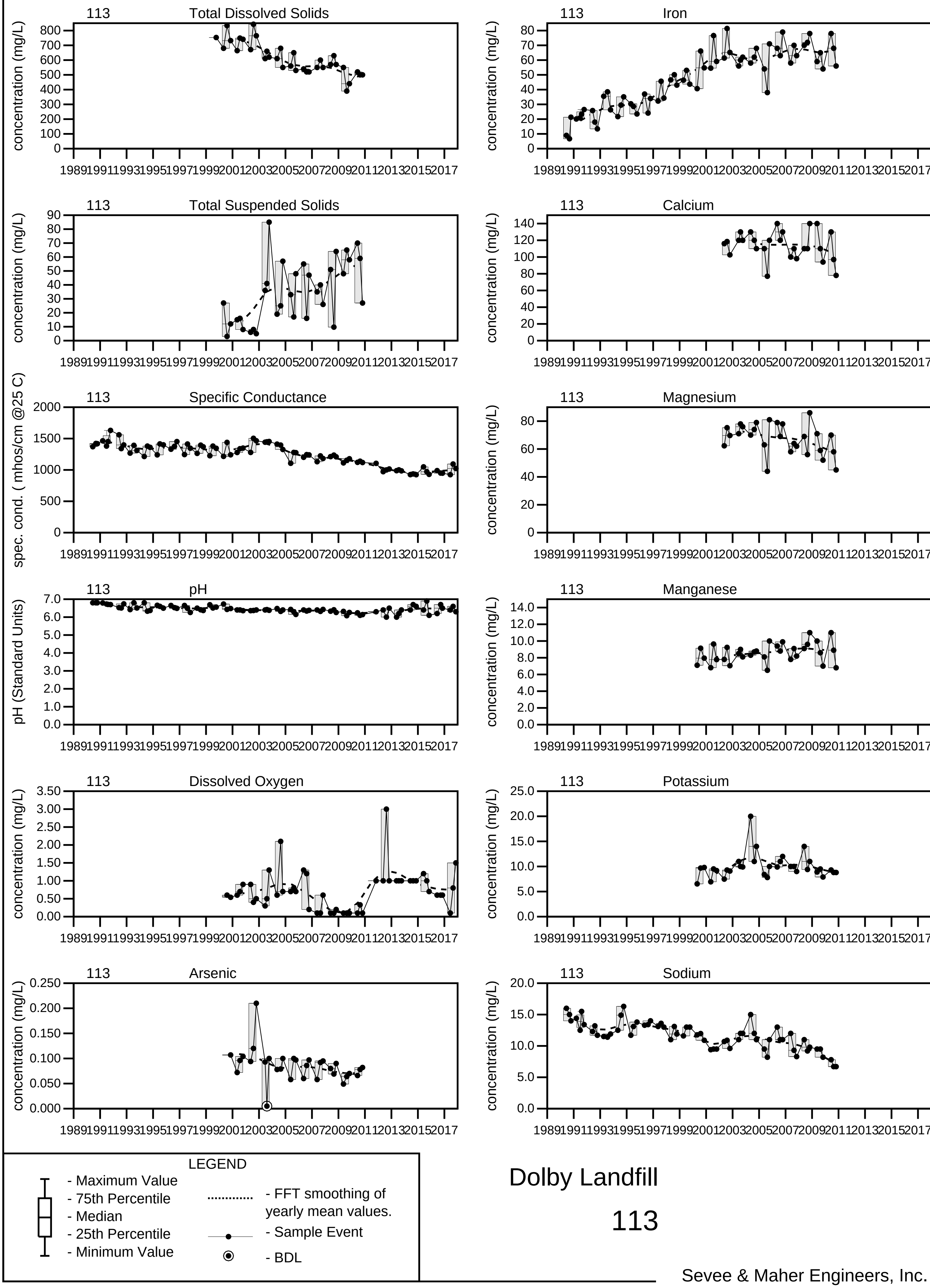
underlined/bold - values exceed a regulatory standard listed below.

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

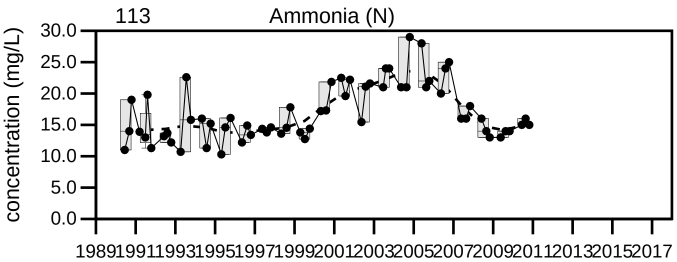
Q2= June 2017 Q3= August 2017 Q4= November 2017

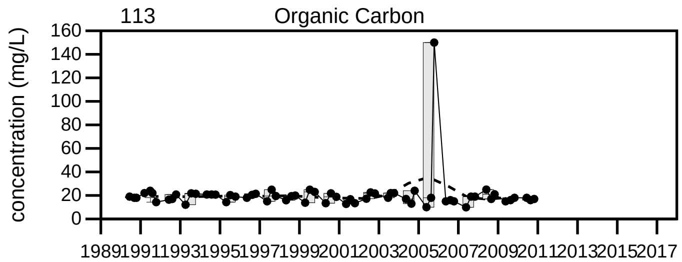


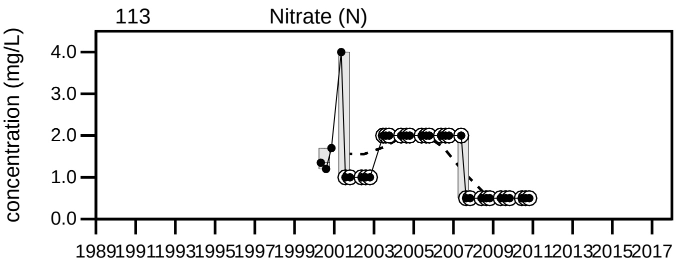
Dolby Landfill

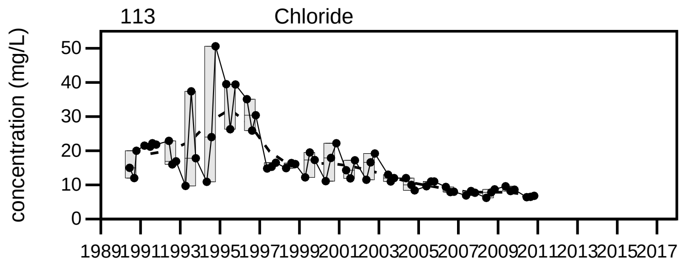
113

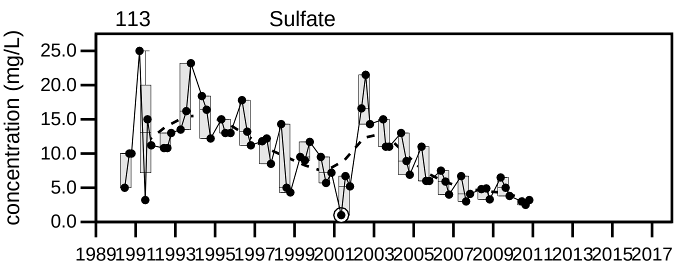
Sevee & Maher Engineers, Inc.

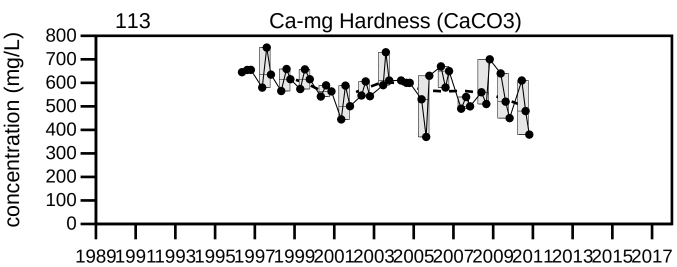


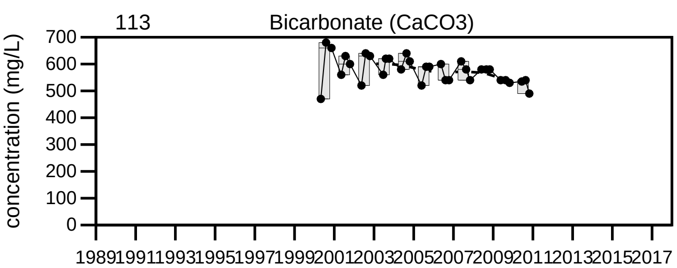


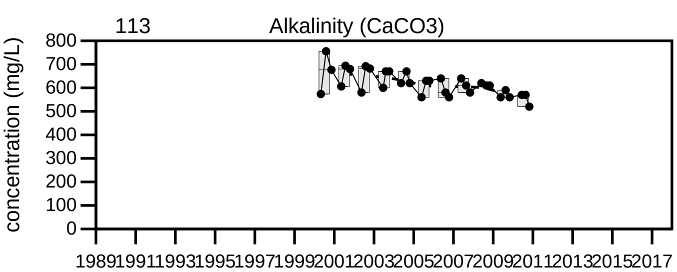


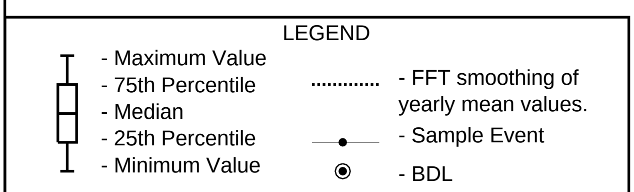












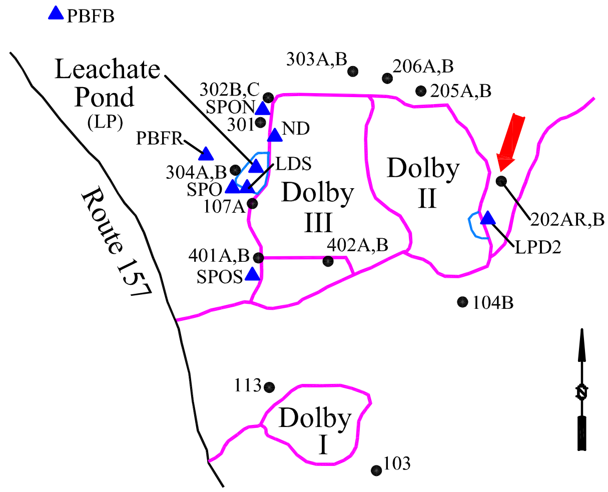
Dolby Landfill

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

	2017				Historical (1/1/1990 - 12/31/2017)					
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean	SE	n
Total Dissolved Solids (mg/L)		920	900	860	840	to	1176	1000	± 11	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.6 U	to	17	3.2	± 0.35	51
Specific Conductance (µmhos/cm @25°C)		↓1400	1435	↓1394	1429	to	1995	1700	± 17	67
pH (STU)		6.6	6.4	6.8	6.06	to	6.85	6.6	± 0.016	67
Dissolved Oxygen (mg/L)		3	0.3	0.6	0.1	to	5.56	0.97	± 0.16	50
Arsenic (mg/L)		**<u>0.0125</u>**	**<u>0.014</u>**	**<u>0.014</u>**	0.005 U	to	0.071	0.013	± 0.002	49
Iron (mg/L)		1.73	1.52	1.75	0.06	to	2.04	1	± 0.058	67
Calcium (mg/L)		206	204	209	122.8	to	500	250	± 9.2	45
Magnesium (mg/L)		74.8	71	72.8	39.5	to	130	85	± 2.2	45
Manganese (mg/L)		**<u>15.2</u>**	**<u>15.3</u>**	**<u>15.5</u>**	14.5	to	26	18	± 0.36	51
Potassium (mg/L)		13.1	12.8	13.1	8.32	to	17	13	± 0.27	51
Sodium (mg/L)		**<u>22.6</u>**	**<u>21.9</u>**	**<u>23</u>**	21.2	to	39.7	27	± 0.46	67
Ammonia (N) (mg/L)		3.6	3.7	3.5	0.784	to	4.8	2.6	± 0.12	67
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2.7	0.93	± 0.12	51
Sulfate (mg/L)		1 U	1 U	1 U	1 U	to	12.5	6.2	± 0.38	67
Ca-mg Hardness (CaCO3) (mg/L)		822	801	822	389.5	to	1700	960	± 24	63
Bicarbonate (CaCO3) (mg/L)		870	880	830	98	to	1105	910	± 18	51
Alkalinity (CaCO3) (mg/L)		870	880	830	100	to	1110	950	± 20	51
Organic Carbon (mg/L)		9.4	8.9	8.6	7.5	to	47	14	± 0.63	67
Chloride (mg/L)		18	16	17	16	to	116	31	± 2.2	67

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

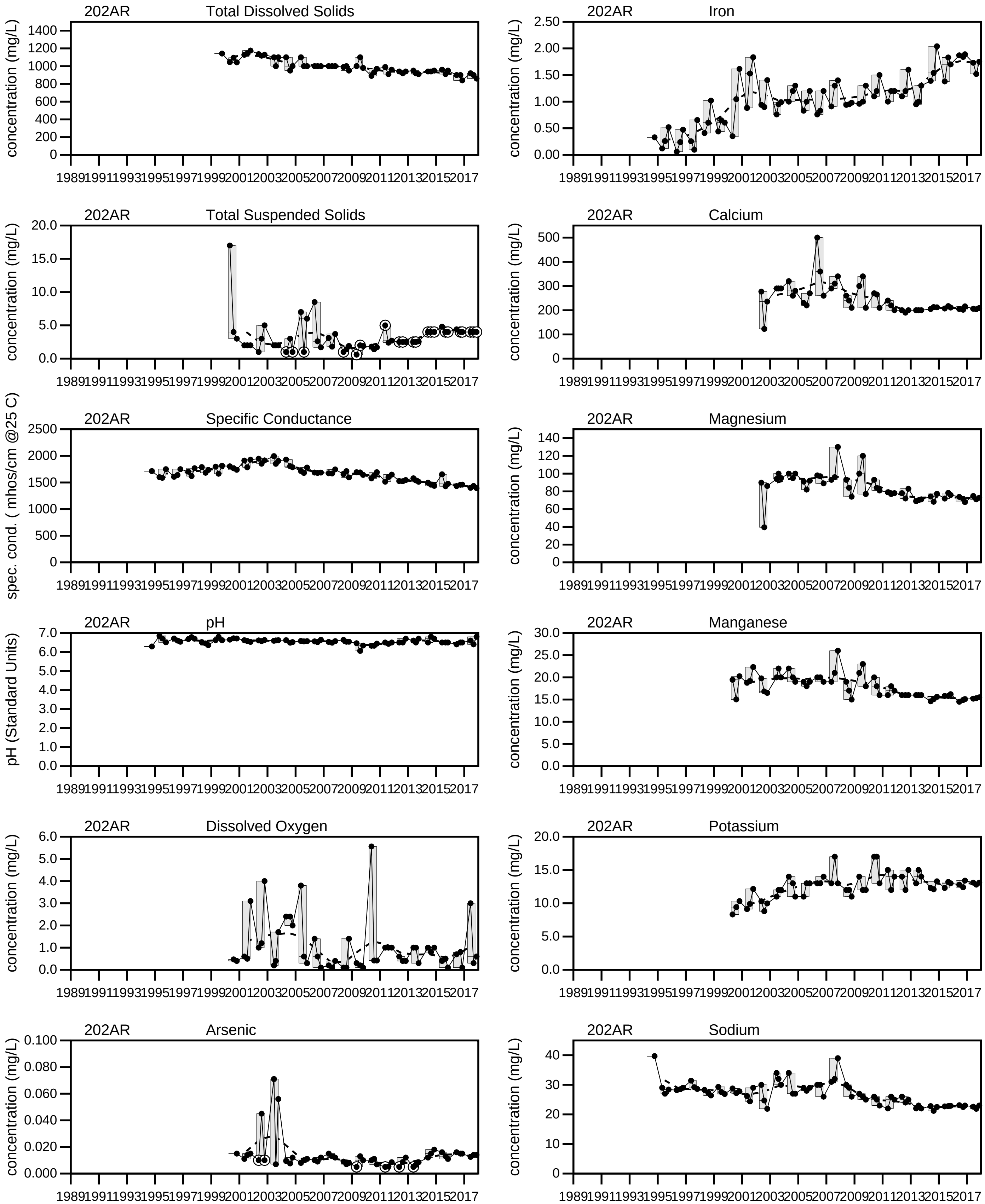
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.



LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

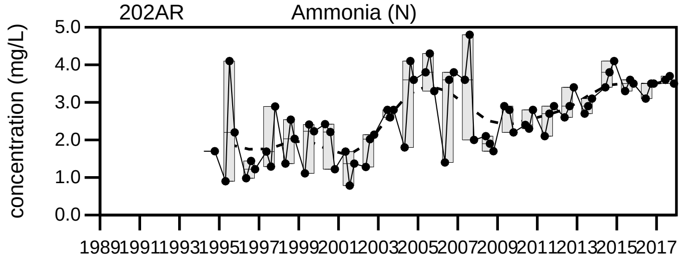
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

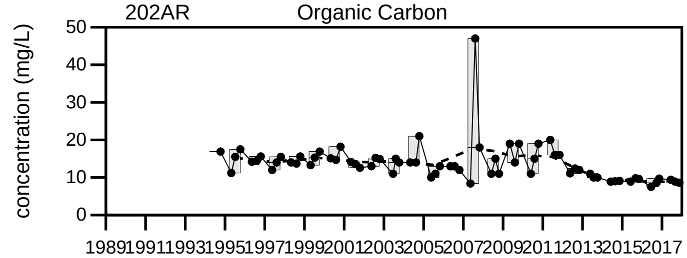
202AR

Sevee & Maher Engineers, Inc.

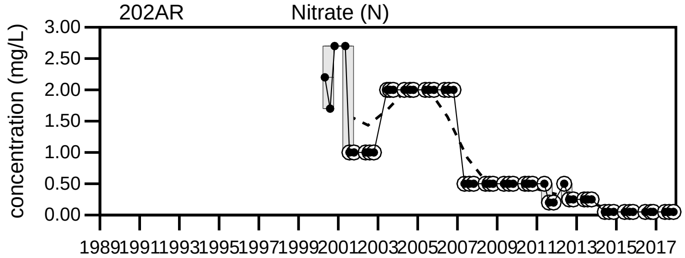
202AR Ammonia (N)



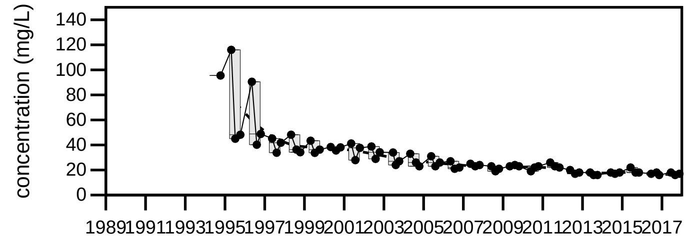
202AR Organic Carbon



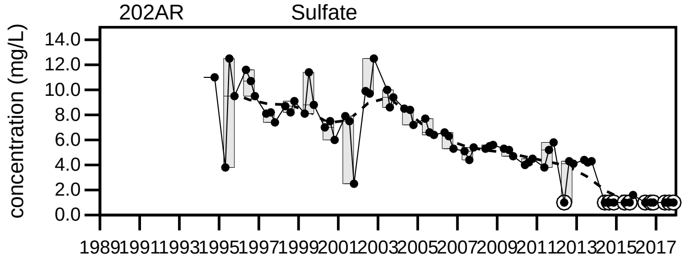
202AR Nitrate (N)



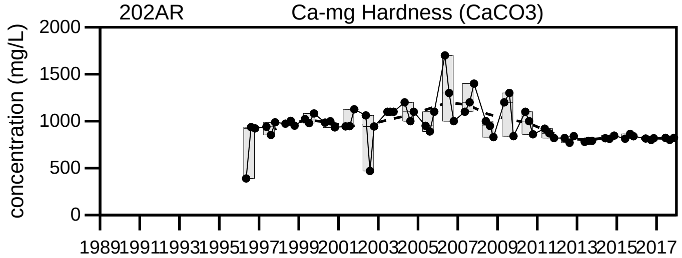
202AR Chloride



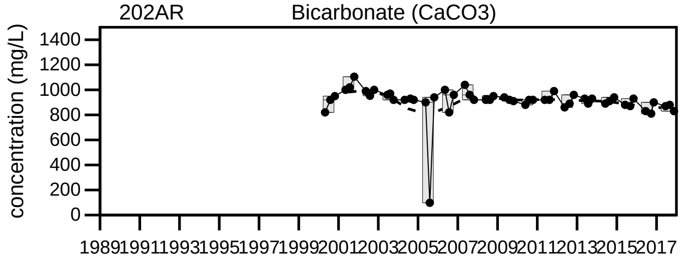
202AR Sulfate



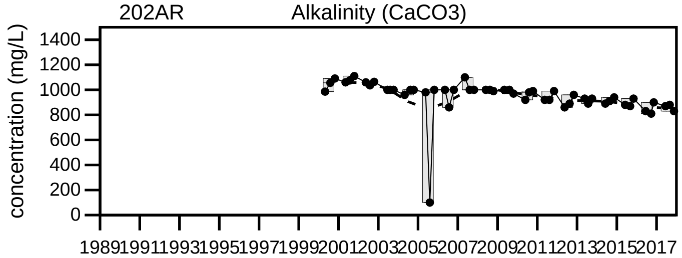
202AR Ca-mg Hardness (CaCO3)



202AR Bicarbonate (CaCO3)



202AR Alkalinity (CaCO3)



LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

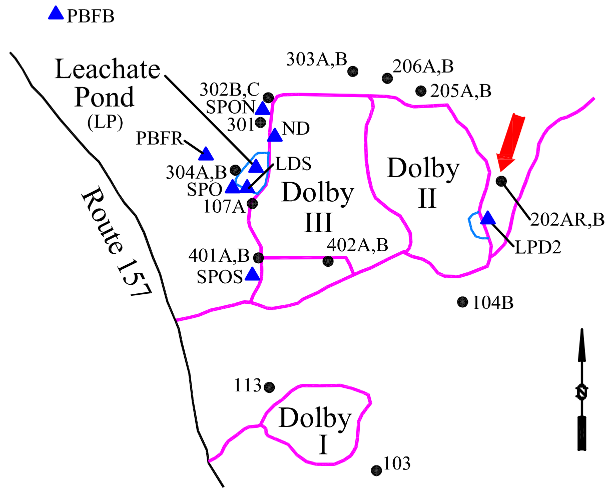
Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		560	I	720	380	to	1241	670	±	31	50
Total Suspended Solids (mg/L)		5.6	I	14	1 U	to	540	31	±	12	49
Specific Conductance (µmhos/cm @25°C)		847	I	1108	131	to	1910	1200	±	37	76
pH (STU)		6.6	I	6.6	5.77	to	7.6	6.6	±	0.024	76
Dissolved Oxygen (mg/L)		1	I	0.6	0.1	to	6.29	0.92	±	0.15	48
Arsenic (mg/L)		0.008 U	I	0.008 U	0.0016 U	to	0.031	0.0072	±	0.000	47
Iron (mg/L)		2.86	I	3.11	0.01 U	to	10.6	1.4	±	0.33	76
Calcium (mg/L)		101	I	141	25	to	230	120	±	6.8	43
Magnesium (mg/L)		53	I	78	22	to	130	68	±	3.7	43
Manganese (mg/L)		**<u>7.08</u>**	I	**<u>8.42</u>**	3.1	to	15.96	8.9	±	0.39	49
Potassium (mg/L)		11	I	↑ 15.2	4	to	15	9.9	±	0.34	49
Sodium (mg/L)		15.2	I	**<u>26.4</u>**	5.3	to	48.4	24	±	0.96	76
Ammonia (N) (mg/L)		1.6	I	1.9	0.1 U	to	5.4	1.6	±	0.12	76
Nitrate (N) (mg/L)		0.05 U	I	0.16	0.05 U	to	10	1.3	±	0.23	49
Sulfate (mg/L)		8.4	I	15	1 U	to	33	11	±	1	76
Ca-mg Hardness (CaCO3) (mg/L)		472	I	673	170	to	1100	630	±	28	61
Bicarbonate (CaCO3) (mg/L)		480	I	670	370	to	1130	620	±	26	49
Alkalinity (CaCO3) (mg/L)		480	I	670	370	to	1196.9	650	±	29	49
Organic Carbon (mg/L)		5.4	I	9.2	4	to	47	16	±	1.2	76
Chloride (mg/L)		13	I	17	4.3	to	118	39	±	2.9	76

<u>underlined/bold</u> - 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

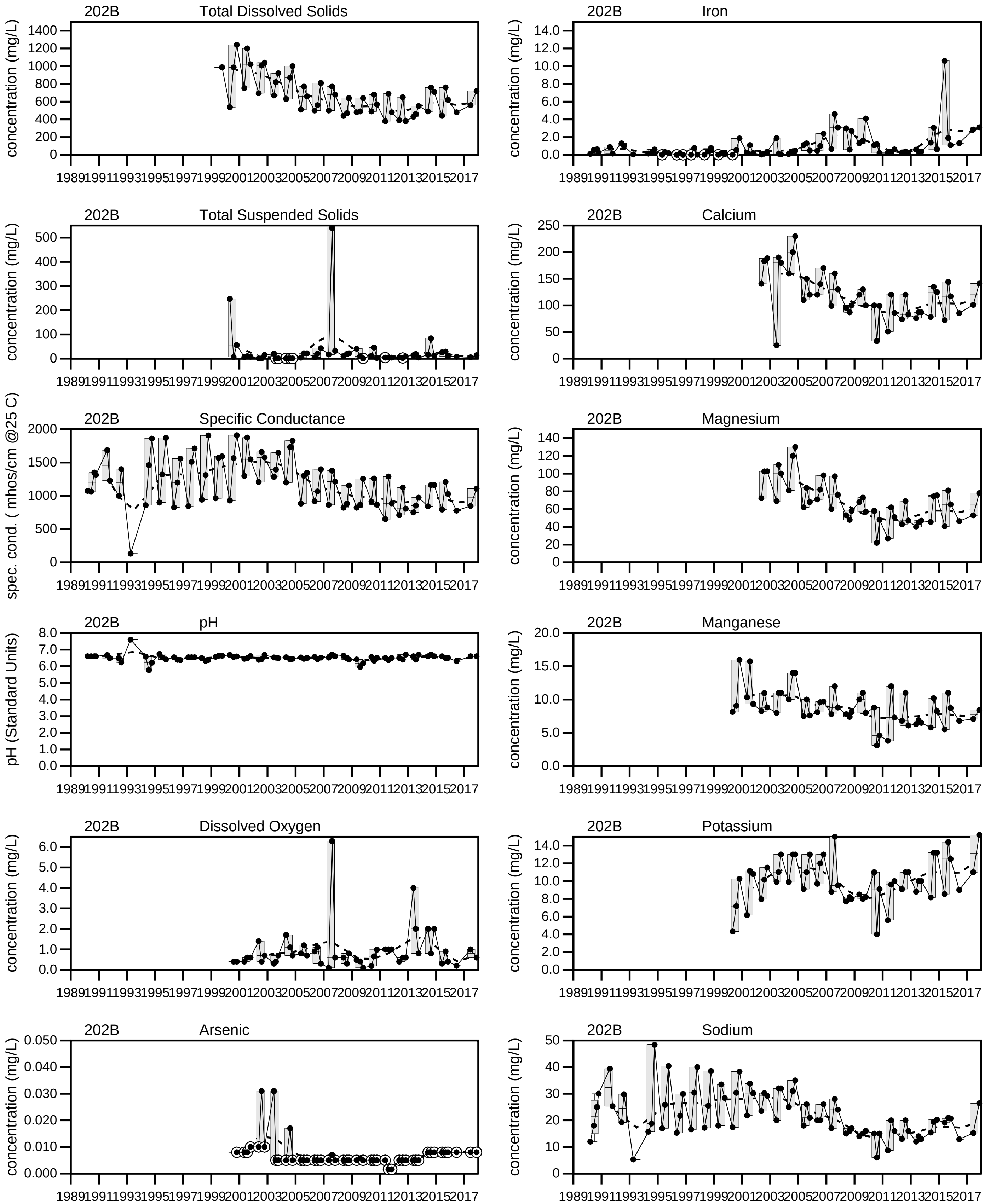
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

I = The sampling location yielded insufficient quantity to collect a sample.



LEGEND

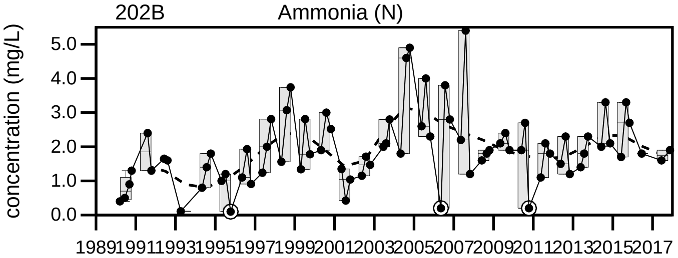
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

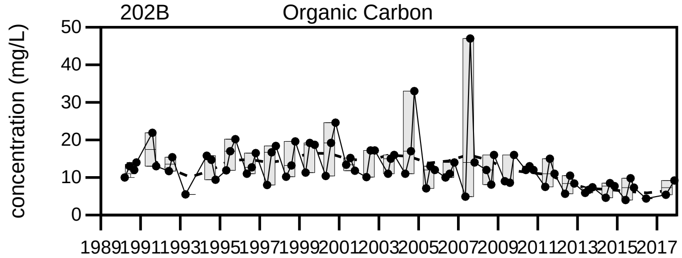
202B

Sevee & Maher Engineers, Inc.

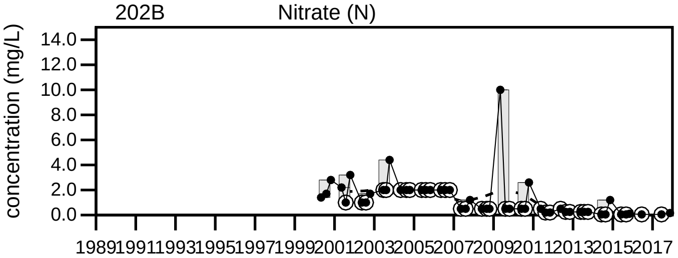
202B Ammonia (N)



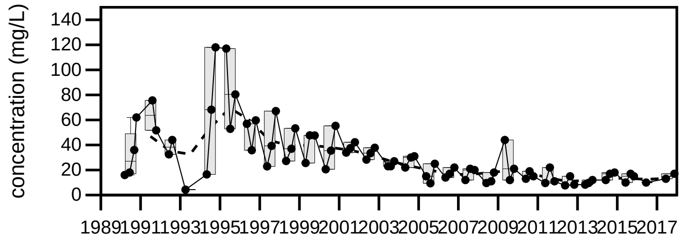
202B Organic Carbon



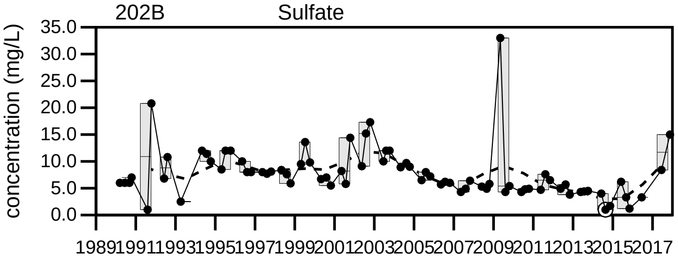
202B Nitrate (N)



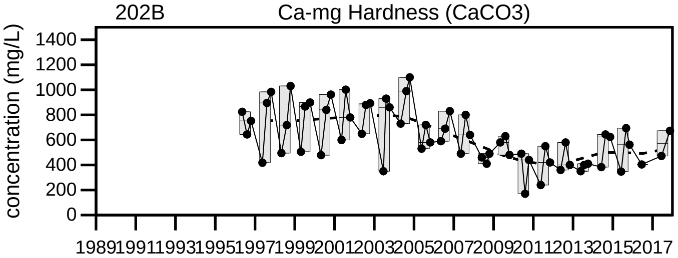
202B Chloride



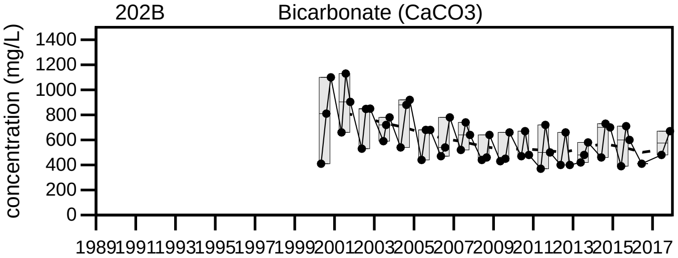
202B Sulfate



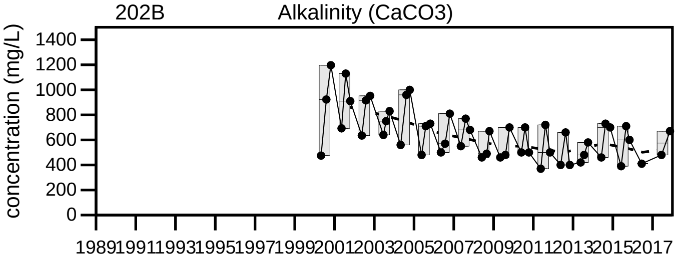
202B Ca-mg Hardness (CaCO3)



202B Bicarbonate (CaCO3)



202B Alkalinity (CaCO3)



LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

- FFT smoothing of yearly mean values.
- Sample Event
- BDL

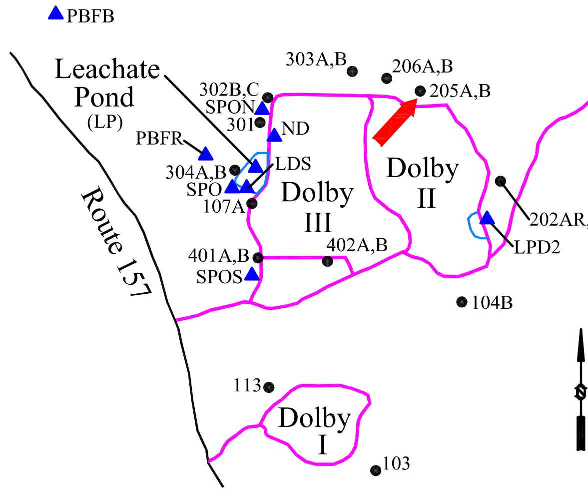
Dolby Landfill

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

	2017				Historical (1/1/1990 - 12/31/2017)						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		340	320	260	95	to	550	370	±	14	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	1 U	to	6	2.5	±	0.18	51
Specific Conductance (µmhos/cm @25°C)		508	508	488	306	to	1066	680	±	19	84
pH (STU)		7.4	6.9	↑ 7.8	6.25	to	7.7	7	±	0.023	84
Dissolved Oxygen (mg/L)		0.9	1	0.3	0.1	to	8.6	1	±	0.18	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.016	0.0065	±	0.000	49
Iron (mg/L)		0.162	0.175	0.378	0.01 U	to	8.7	5	±	1.3	84
Calcium (mg/L)		65.6	68	63.6	55.8	to	180	100	±	5.3	45
Magnesium (mg/L)		13.7	14.3	13.2	12	to	39	22	±	1.1	45
Manganese (mg/L)		↓ **0.302**	**1.28**	**0.816**	0.59	to	1.7	1	±	0.028	51
Potassium (mg/L)		1.81	1.9	1.9	1.44	to	4.5	2.6	±	0.11	51
Sodium (mg/L)		**21.2**	**22.4**	**21.9**	12.1	to	42	22	±	0.74	84
Ammonia (N) (mg/L)		0.1 U	0.19	0.36	0.08 U	to	1.78	0.32	±	0.023	84
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	10	1.1	±	0.21	51
Sulfate (mg/L)		10	9.3	7.7	3.1	to	33	13	±	0.76	84
Ca-mg Hardness (CaCO3) (mg/L)		220	228	213	188	to	610	320	±	14	63
Bicarbonate (CaCO3) (mg/L)		200	210	180	160	to	480	290	±	13	51
Alkalinity (CaCO3) (mg/L)		200	210	180	40	to	500	300	±	14	51
Organic Carbon (mg/L)		1.4	↓ 1.3	↓ 1.3	1.4	to	63.7	6.8	±	0.76	84
Chloride (mg/L)		40	40	41	6.8	to	74.5	45	±	2.1	84

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

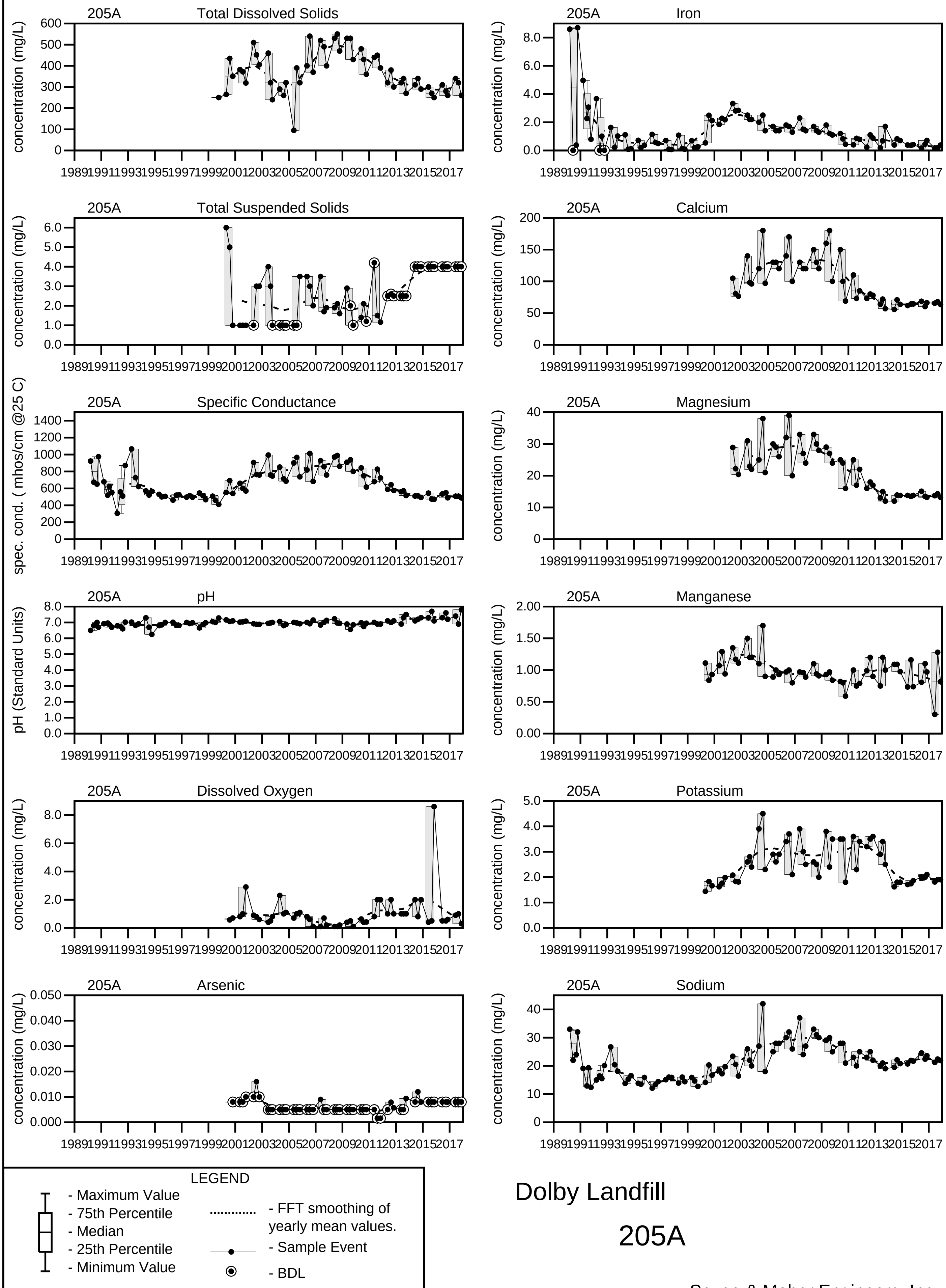
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

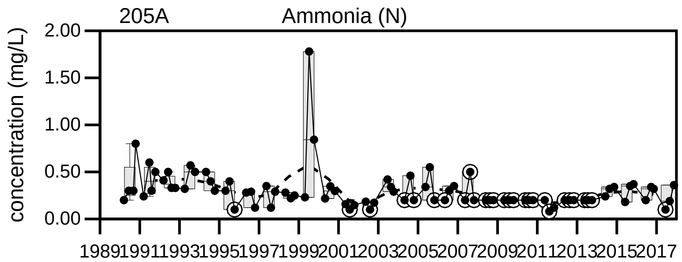
U= Not Detected above the reported sample detection limit.

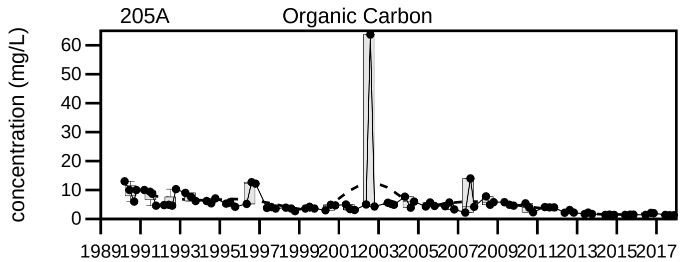


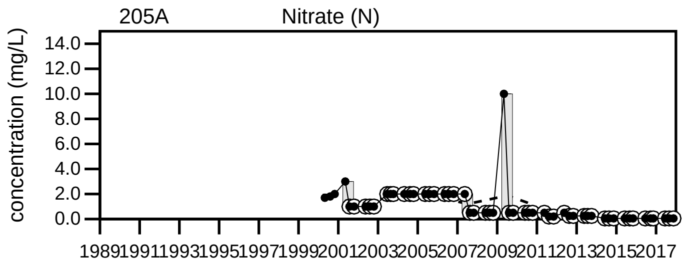
Dolby Landfill

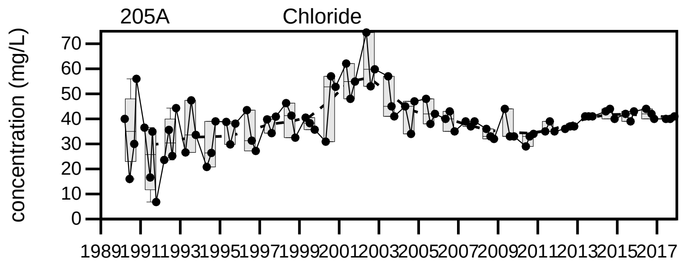
205A

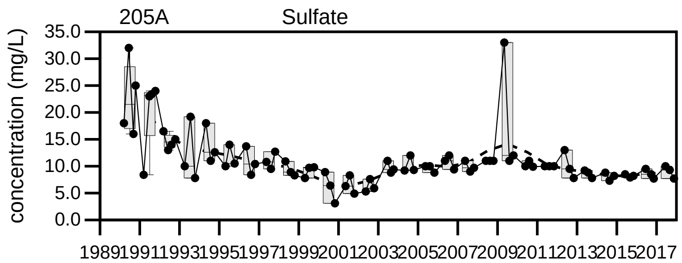
Sevee & Maher Engineers, Inc.

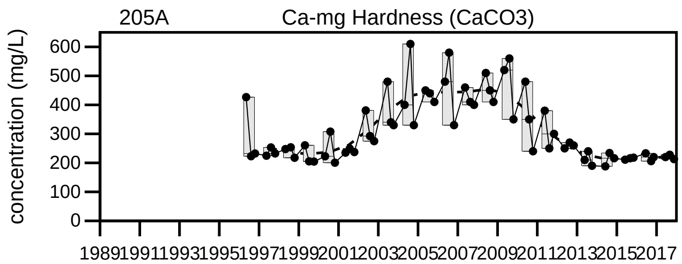


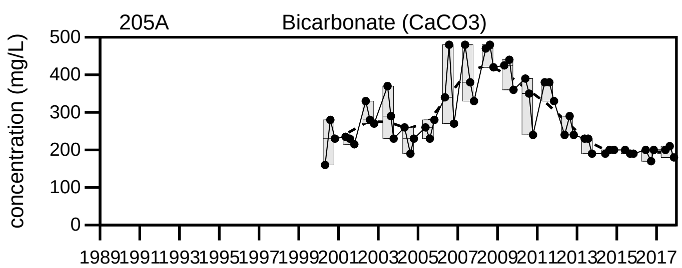


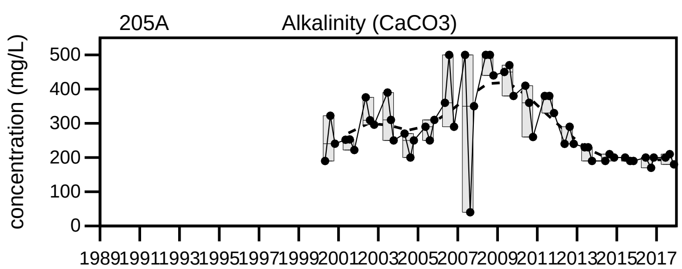












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

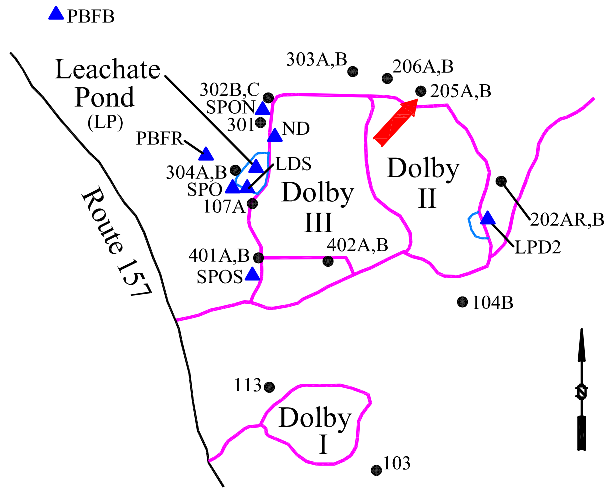
Dolby Landfill

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

	2017				**Historical (1/1/1990 - 12/31/2017)**						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		210	130	200	91	to	664	230	±	16	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to	36	2.6	±	0.69	51
Specific Conductance (µmhos/cm @25°C)		305	203	389	178	to	2210	850	±	54	83
pH (STU)		7.4	7.2	↑7.6	6.11	to	7.5	6.9	±	0.033	83
Dissolved Oxygen (mg/L)		0.5	1	0.4	0.1	to	2.1	0.81	±	0.076	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.021	0.0063	±	0.000	49
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.01 U	to	1.73	3.1	±	1.1	83
Calcium (mg/L)		48.4	30.1	48.2	23.8	to	140	59	±	4.6	45
Magnesium (mg/L)		10.9	6.89	11	6.8	to	60.9	17	±	1.8	45
Manganese (mg/L)		0.227	0.232	0.145	0.065	to	9.33	1.3	±	0.27	51
Potassium (mg/L)		1.18	1 U	1.3	0.96	to	2.4	1.4	±	0.053	51
Sodium (mg/L)		6.93	4.09	6.46	3.84	to	77	22	±	2.1	83
Ammonia (N) (mg/L)		0.1 U	0.5	0.12	0.08 U	to	2.5	0.17	±	0.025	83
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2.3	0.9	±	0.11	51
Sulfate (mg/L)		4.5	↓3.9	↓2.7	4	to	50.6	13	±	0.87	83
Ca-mg Hardness (CaCO3) (mg/L)		166	103	165	87.7	to	980.7	270	±	22	63
Bicarbonate (CaCO3) (mg/L)		160	110	160	87	to	540	200	±	13	51
Alkalinity (CaCO3) (mg/L)		160	110	160	87	to	586	210	±	15	51
Organic Carbon (mg/L)		1 U	1 U	1 U	0.98	to	90.6	9.4	±	1.2	83
Chloride (mg/L)		2.3	2 U	4.3	0.5 U	to	79	34	±	5.3	83

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

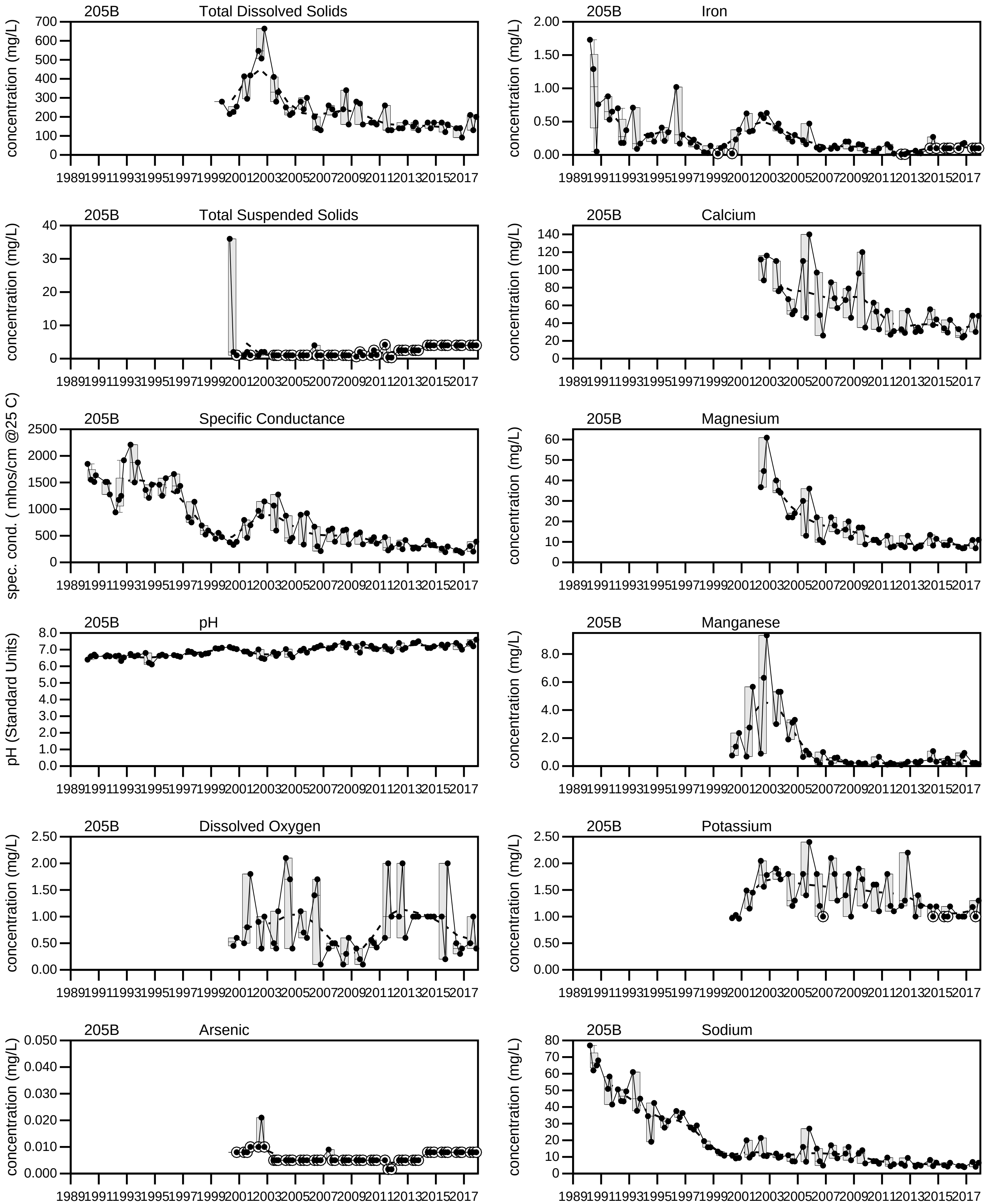
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

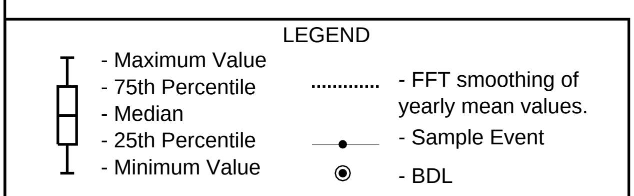
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

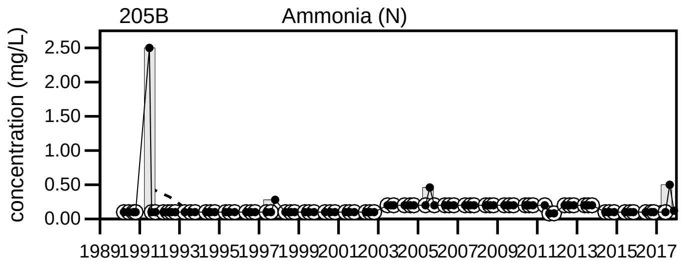


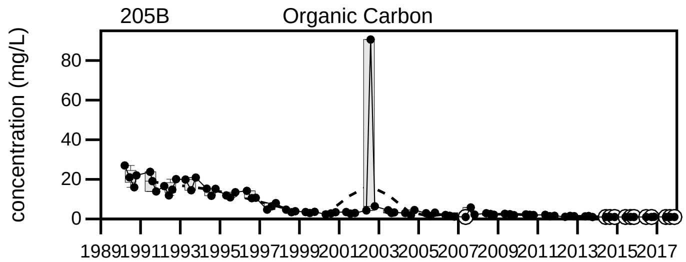


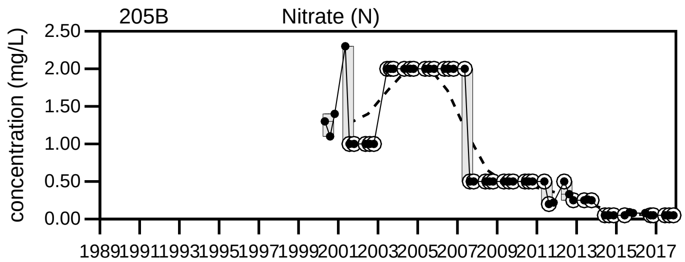
Dolby Landfill

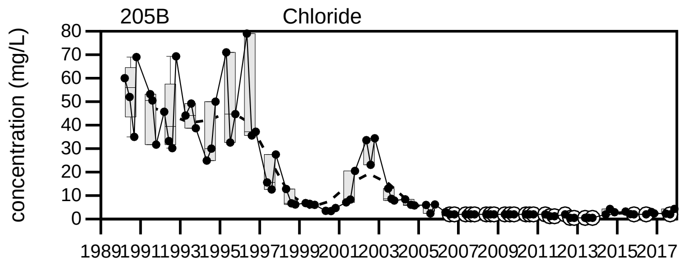
205B

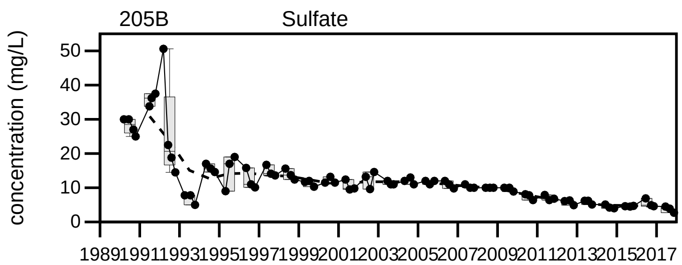
Sevee & Maher Engineers, Inc.

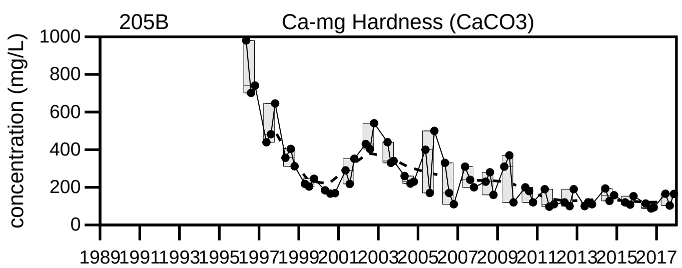


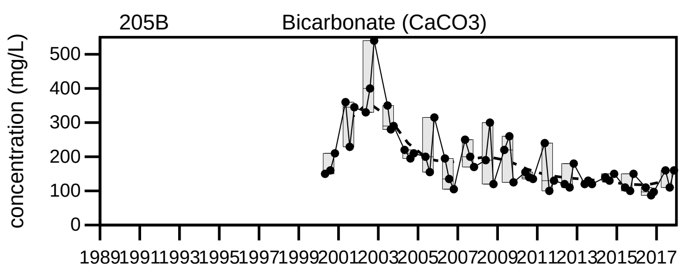


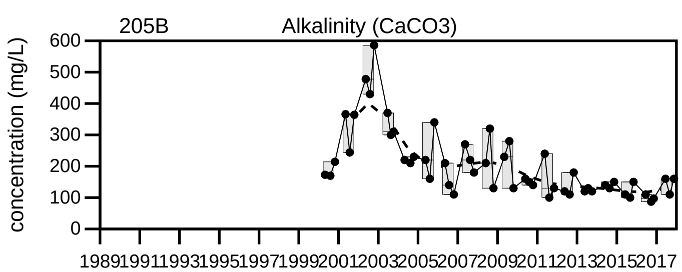












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

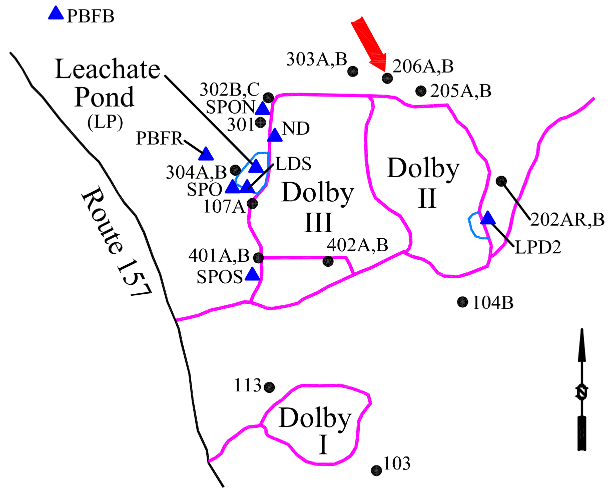
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		1000	1400	1200	440	to	2088	1200	±	47	52
Total Suspended Solids (mg/L)		44	64	60	2	to	94	50	±	3.4	51
Specific Conductance (µmhos/cm @25°C)		1659	2540	2570	210	to	3480	2000	±	68	84
pH (STU)		6.6	6.7	6.6	6.04	to	7.04	6.7	±	0.018	84
Dissolved Oxygen (mg/L)		2.1	1.8	0.7	0.1	to	5	0.94	±	0.12	50
Arsenic (mg/L)		**<u>0.177</u>**	**<u>0.308</u>**	**<u>0.291</u>**	0.039	to	0.45	0.21	±	0.011	49
Iron (mg/L)		**<u>29.9</u>**	**<u>44.9</u>**	**<u>41.8</u>**	0.026	to	52.2	20	±	1.5	84
Calcium (mg/L)		89.6	124	129	17.2	to	146	95	±	3.8	45
Magnesium (mg/L)		135	188	218	15.6	to	290	170	±	8.6	45
Manganese (mg/L)		**<u>3.69</u>**	**<u>4.75</u>**	**<u>3.97</u>**	0.52	to	9	5.6	±	0.27	51
Potassium (mg/L)		81.9	100	115	14	to	170	89	±	3.5	51
Sodium (mg/L)		**<u>26.5</u>**	**<u>37.7</u>**	**<u>42.8</u>**	4.28	to	72.7	45	±	1.5	84
Ammonia (N) (mg/L)		28	**<u>39</u>**	**<u>41</u>**	1.8	to	54	23	±	1.3	84
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.5 U	0.05 U	to	5.1	1.1	±	0.15	51
Sulfate (mg/L)		1 U	1 U	1.1	1 U	to	56	15	±	1.5	84
Ca-mg Hardness (CaCO3) (mg/L)		778	1080	1220	107	to	1545.6	980	±	38	63
Bicarbonate (CaCO3) (mg/L)		970	1400	1400	115	to	1997	1100	±	50	51
Alkalinity (CaCO3) (mg/L)		970	1400	1400	141.4	to	2010	1200	±	47	51
Organic Carbon (mg/L)		18	30	29	1.2	to	334.4	30	±	3.3	84
Chloride (mg/L)		21	34	30	15	to	230	64	±	4.4	84

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

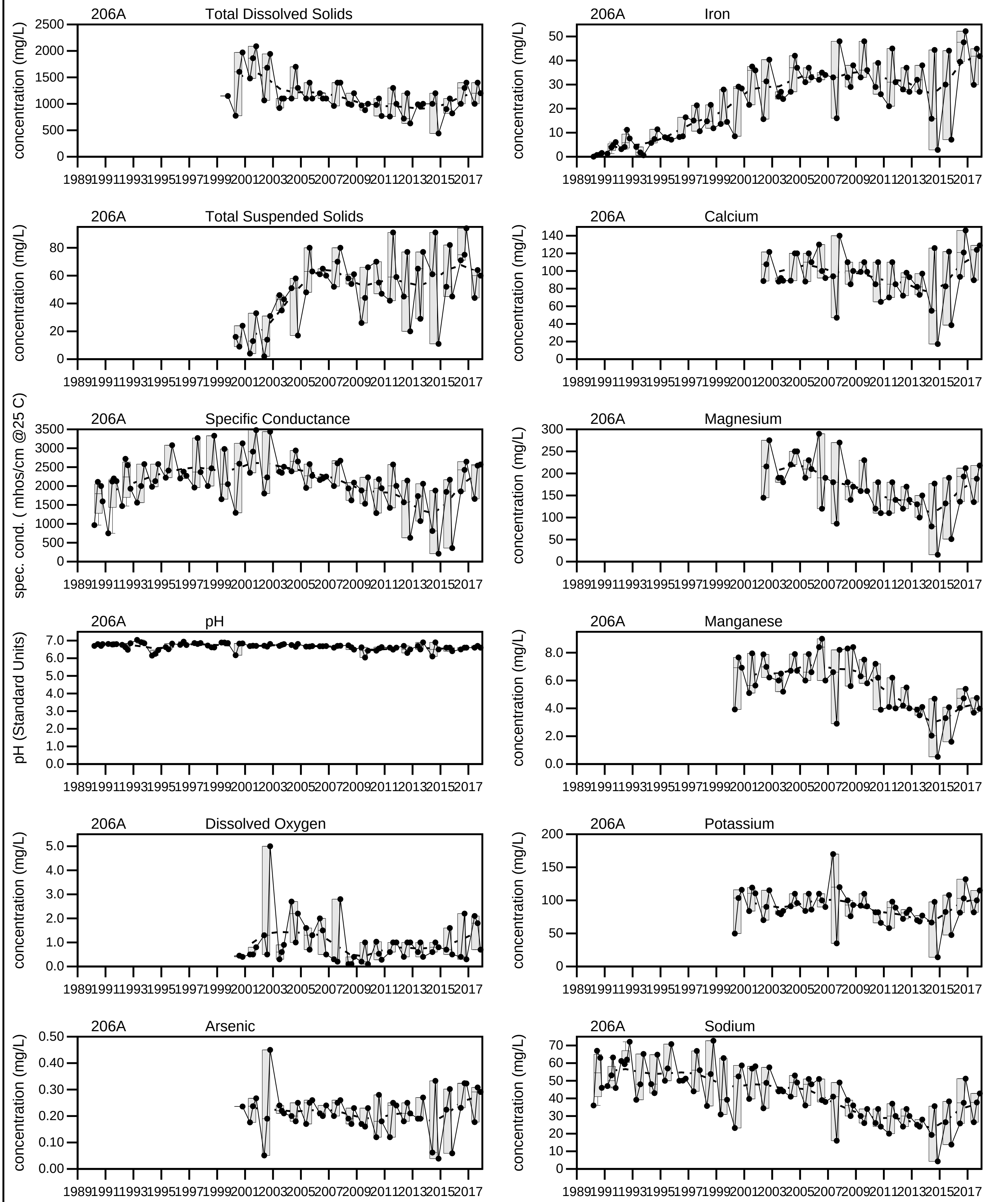
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

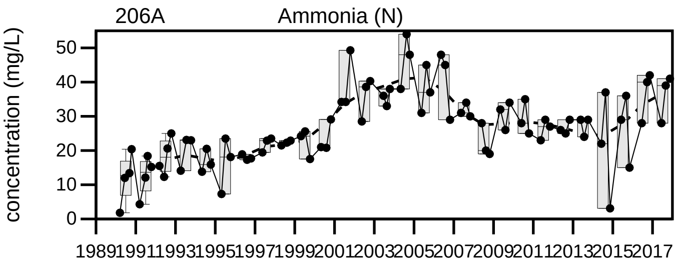
U= Not Detected above the reported sample detection limit.

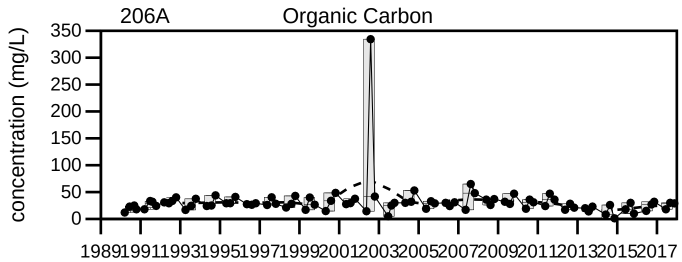


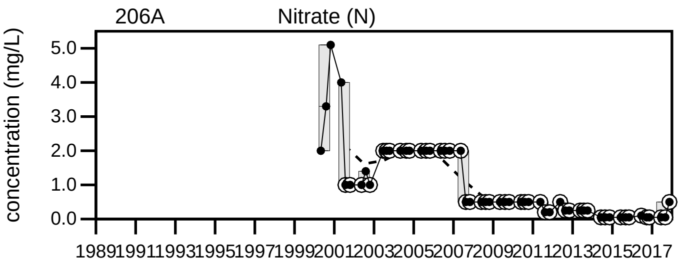
Dolby Landfill

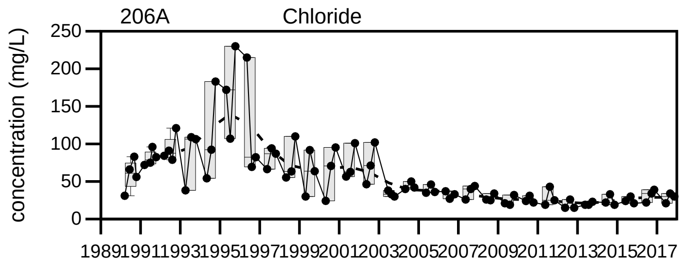
206A

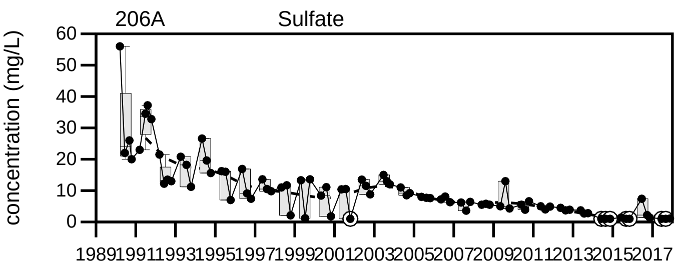
Sevee & Maher Engineers, Inc.

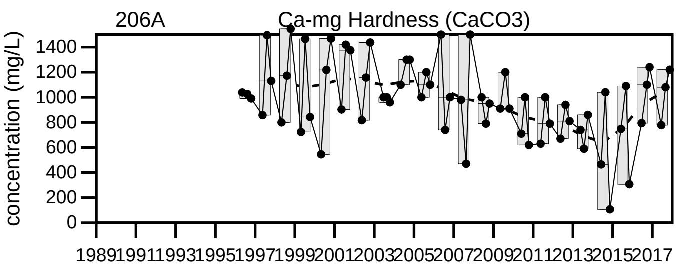


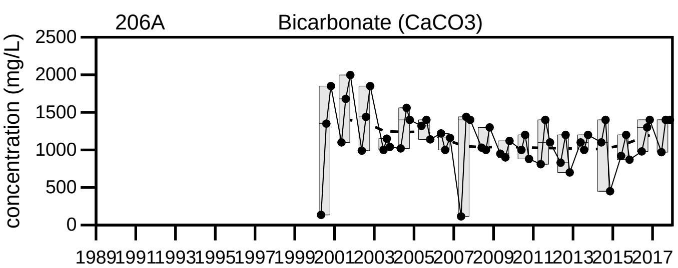


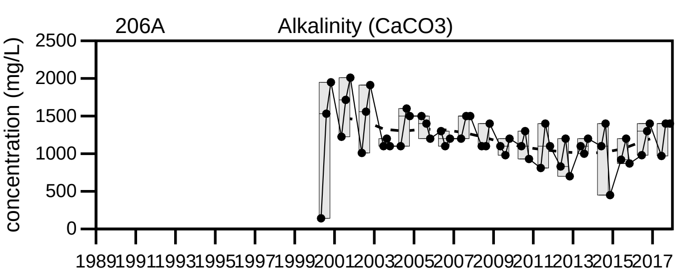












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

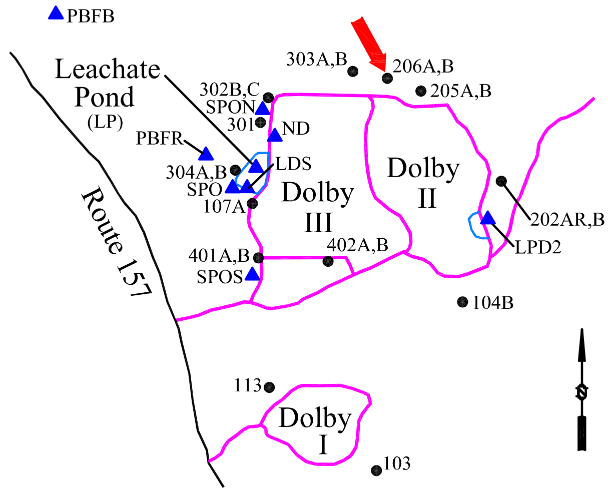
Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		100	I	88	28	to	200	76	±	6	30
Total Suspended Solids (mg/L)		4 U	I	4 U	0.32 U	to	22	3	±	0.77	30
Specific Conductance (µmhos/cm @25°C)		176	I	260	54	to	1040	220	±	37	40
pH (STU)		7.1	I	7.3	5.26	to	7.87	6.4	±	0.07	39
Dissolved Oxygen (mg/L)		7.1	I	6.8	2	to	9.8	5.5	±	0.39	29
Arsenic (mg/L)		0.008 U	I	0.008 U	0.0016 U	to	0.01 U	0.0057	±	0.000	29
Iron (mg/L)		0.1 U	I	0.35	0.01 U	to	1.5	0.16	±	0.039	39
Calcium (mg/L)		13.4	I	18.5	6.1	to	19	13	±	0.69	28
Magnesium (mg/L)		4.51	I	7.06	1.4	to	12	6.2	±	0.58	28
Manganese (mg/L)		↓0.009	I	0.0368	0.01 U	to	0.12	0.029	±	0.005	30
Potassium (mg/L)		4.73	I	6.5	3	to	7.5	4.8	±	0.23	30
Sodium (mg/L)		1.55	I	2.1	1 U	to	23	5	±	1.1	39
Ammonia (N) (mg/L)		0.37	I	0.1 U	0.082 U	to	9.1	0.41	±	0.21	39
Nitrate (N) (mg/L)		0.28	I	0.62	0.25	to	2 U	1.1	±	0.13	30
Sulfate (mg/L)		3.4	I	8.7	1 U	to	23.8	14	±	1.9	39
Ca-mg Hardness (CaCO3) (mg/L)		52.1	I	75.3	20.8	to	471.3	66	±	12	35
Bicarbonate (CaCO3) (mg/L)		36	I	66	8	to	81	52	±	3.6	30
Alkalinity (CaCO3) (mg/L)		36	I	66	8	to	85	53	±	3.7	30
Organic Carbon (mg/L)		1.4	I	1	1 U	to	7.7	2.7	±	0.26	39
Chloride (mg/L)		2.3	I	3	0.63	to	26.4	4.7	±	1.2	39

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

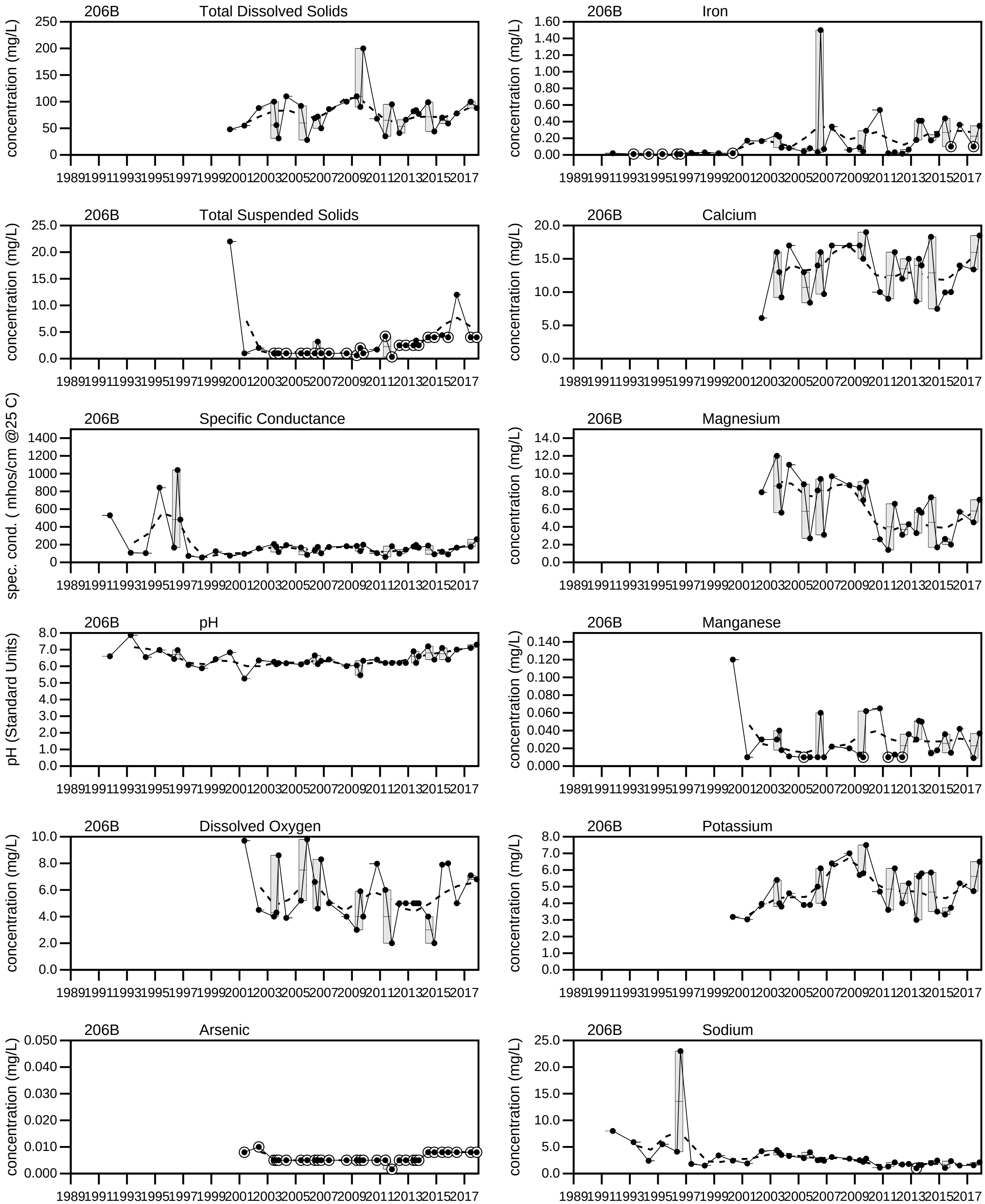
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

I=The sampling location yielded insufficient quantity to collect a sample.



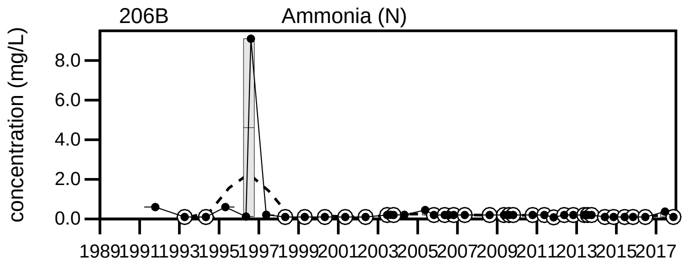
LEGEND

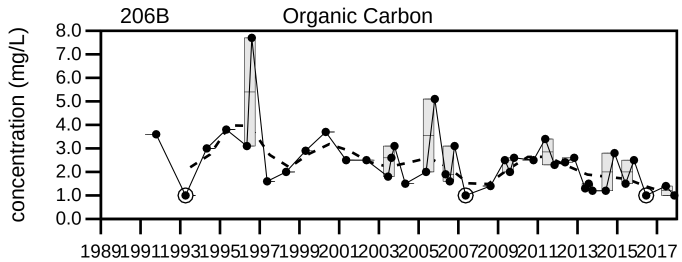
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

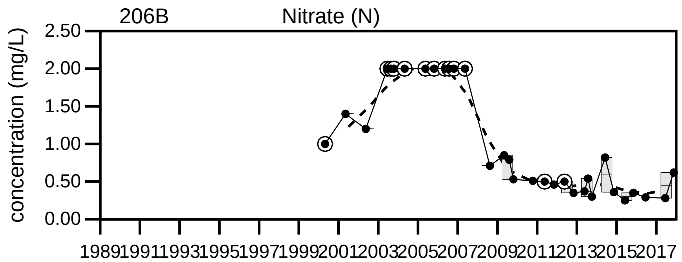
Dolby Landfill

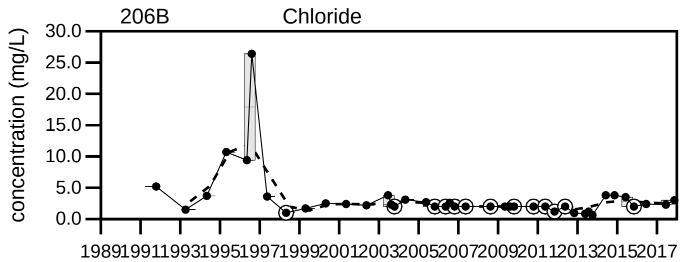
206B

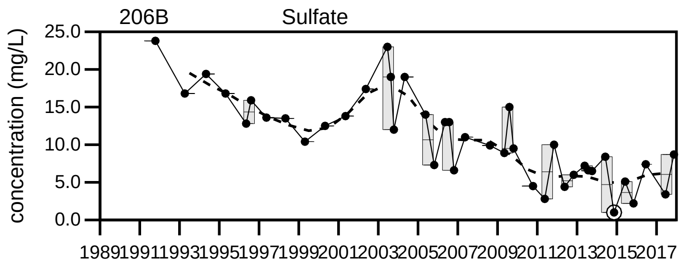
Sevee & Maher Engineers, Inc.

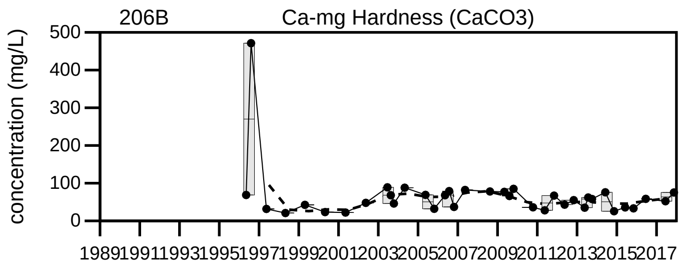


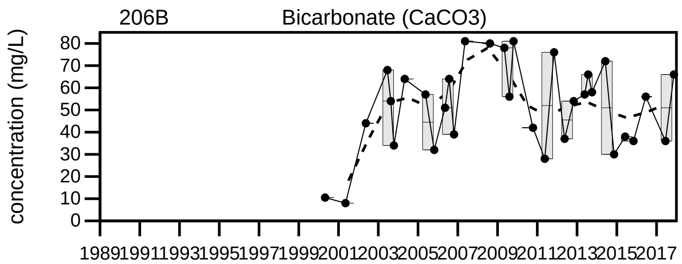


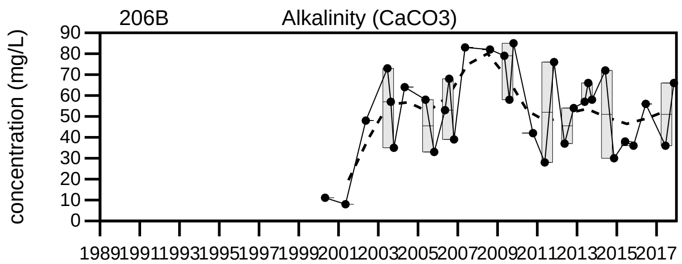












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

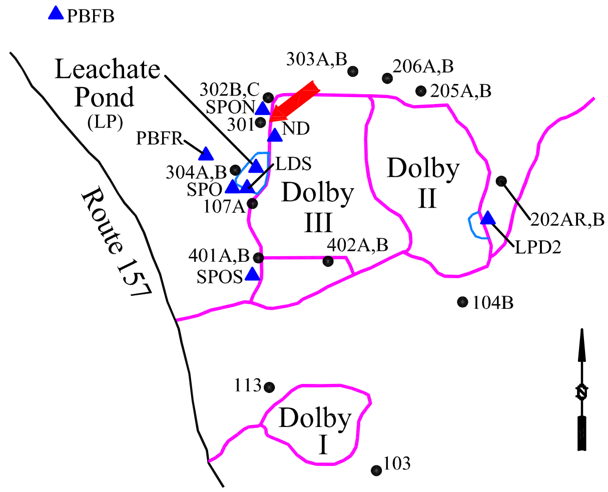
Dolby Landfill

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

	2017				Historical (1/1/1990 - 12/31/2017)						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		1820	1891	1882	140	to	1992	670	±	58	80
pH (STU)		6.4	6.5	6.4	5.9	to	7.4	6.8	±	0.042	81
Temperature (Deg C)		7.7	9.8	8.8	3.2	to	14.5	8.9	±	0.28	81
Water Level Depth (Feet)		4.5	↑ 5.89	4.1	3.46	to	5.52	4.3	±	0.12	24
Water Level Elevation (Feet)		346.84	345.45	347.24	342.97	to	351.34	350	±	0.12	84
Water Level Reference Point (Feet)		351.34	351.34	351.34	351.34	to	351.34	350	±	2E-06	24
Dissolved Oxygen (mg/L)		3	0.2	1.7	0.1	to	3.02	0.74	±	0.088	50
Well Depth (Feet)				17.48	16.67	to	17.6	17	±	0.027	34
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.01 U	0.006	±	0.000	49
Calcium (mg/L)		↑ 328	305	286	41.9	to	321	200	±	11	45
Iron (mg/L)		0.161	0.1 U	0.1 U	0.01 U	to	0.83	0.089	±	0.014	81
Magnesium (mg/L)		64.4	61.8	57	9	to	64.6	28	±	2.2	45
Manganese (mg/L)		**0.48**	**0.481**	**0.306**	0.034	to	1.2	0.64	±	0.036	51
Potassium (mg/L)		3.2	3.19	3	0.98	to	5.8	2.9	±	0.17	51
Sodium (mg/L)		**60.8**	↑ **65.5**	**58.6**	3.8	to	62.9	19	±	1.6	77
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to	0.5 U	0.14	±	0.007	81
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.1	0.05 U	to	2 U	0.82	±	0.1	51
Total Dissolved Solids (mg/L)		1200	1200	1200	194	to	1300	660	±	44	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.38 U	to	41	2.8	±	0.79	51
Sulfate (mg/L)		26	24	29	2	to	31	17	±	1	81
Ca-mg Hardness (CaCO3) (mg/L)		↑ 1080	1020	948	46	to	1030	360	±	34	81
Bicarbonate (CaCO3) (mg/L)		960	980	970	110	to	1100	490	±	36	51
Alkalinity (CaCO3) (mg/L)		960	980	970	125.2	to	1100	500	±	36	51
Organic Carbon (mg/L)		14	14	16	1 U	to	24	5.1	±	0.5	81
Chloride (mg/L)		97	96	87	3	to	110	39	±	3.4	81
Turbidity (field) (NTU)		0.7	0.3	0.3	0	to	1.5	0.38	±	0.039	50

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.

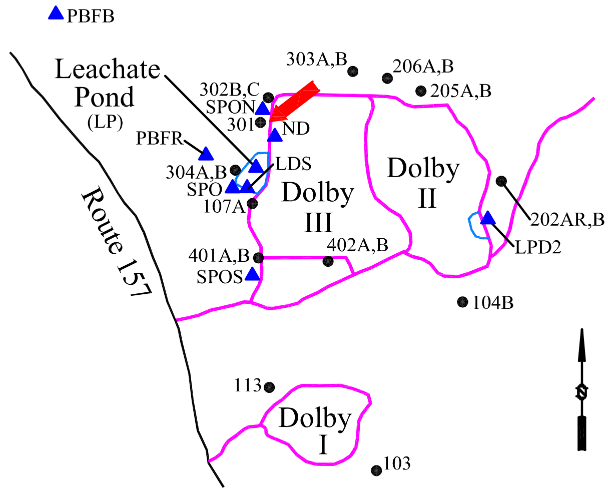
Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min	Max	Mean	SE	n
Benzene (ug/L)				3 U	3 U	to 5 U	4.3	± 0.37	8
Toluene (ug/L)				5 U	5 U	to 5 U	5	± 0	8
Ethylbenzene (ug/L)				5 U	5 U	to 5 U	5	± 0	8
o-Xylene (ug/L)				5 U	5 U	to 5 U	5	± 0	8
m,p-Xylene (ug/L)				10 U	5 U	to 10 U	8.1	± 0.91	8
C11-C22 AROMATICS (ADJUSTED) (ug/L				94 U	94 U	to 380	150	± 57	5
C19-C36 ALIPHATICS (ADJUSTED) (ug/L				94 U	94 U	to 102 U	96	± 1.5	5
C5-C8 ALIPHATICS (ADJUSTED) (ug/L)				100 U	75 U	to 100 U	89	± 5.7	5
C9-C10 AROMATICS (ADJUSTED) (ug/L)				100 U	25 U	to 100 U	69	± 18	5
C9-C12 ALIPHATICS (ADJUSTED) (ug/L)				100 U	25 U	to 100 U	69	± 18	5
C9-C18 ALIPHATICS (ADJUSTED) (ug/L)				94 U	94 U	to 102 U	96	± 1.5	5
Methyltertiarybutylether (ug/L)				5 U	5 U	to 5 U	5	± 0	5
Naphthalene (ug/L)				5 U	4.81 U	to 10 U	5.8	± 0.84	6
Naphthalene (EPH) (ug/L)				1.9 U	1.9 U	to 1.9 U	1.9	± 0	2
2-Methylnaphthalene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Acenaphthylene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Acenaphthene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Fluorene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Phenanthrene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Anthracene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Fluoranthene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Pyrene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(a)Anthracene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Chrysene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(b)Fluoranthene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(k)Fluoranthene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(a)Pyrene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Indeno(1,2,3-c,d)Pyrene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Dibenz(a,h)Anthracene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(g,h,i)perylene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6

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

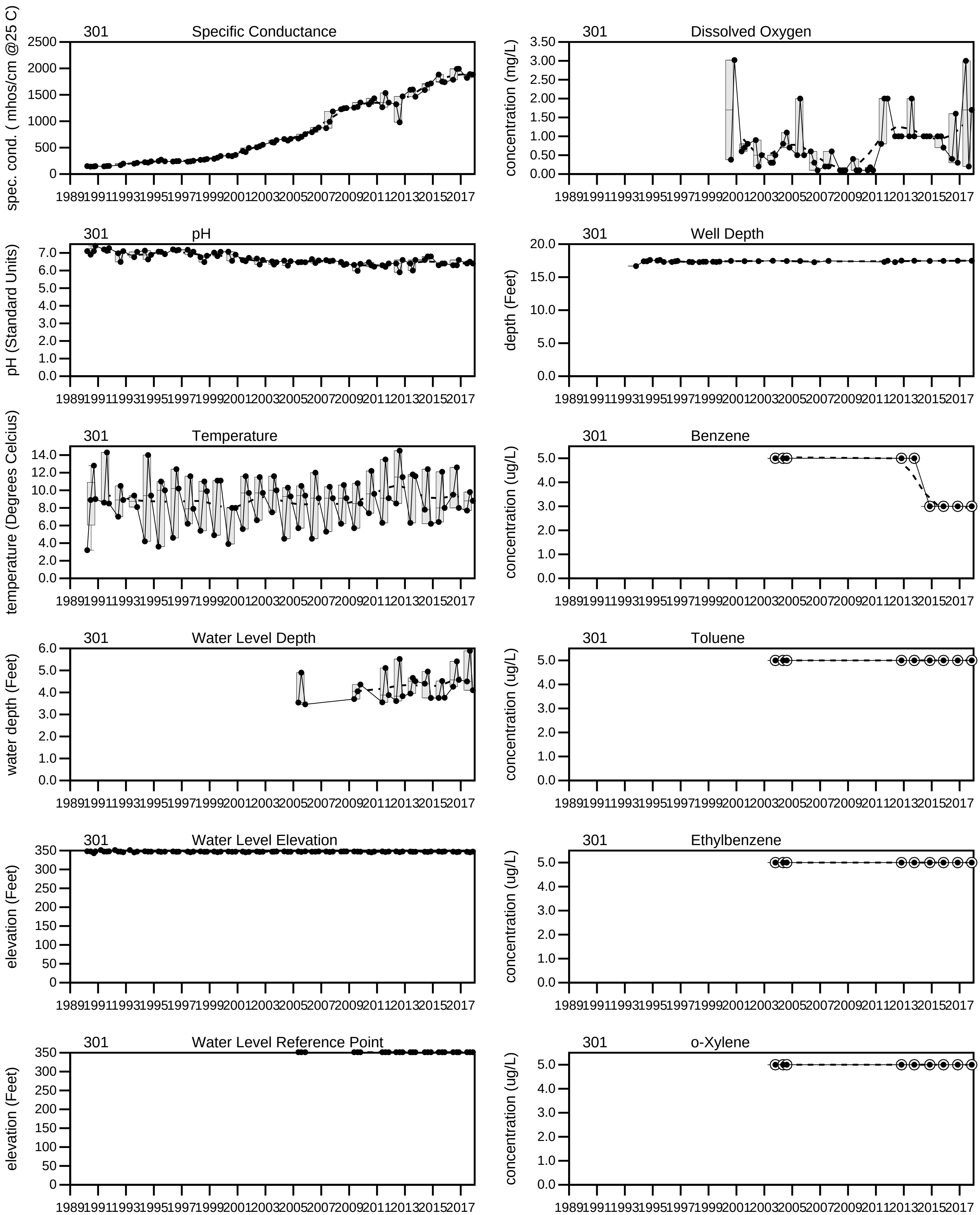
MEG16=50 ug/L, Benzo(b)Fluoranthene MEG16=0.5 ug/L, Benzo(k)Fluoranthene MEG16=5 ug/L, Benzo(a)Pyrene MEG16=0.05 ug/L, MCL=0.2 ug/L, Indeno(1,2,3-c,d)Pyrene MEG16=0.5 ug/L, Naphthalene MEG16=10 ug/L

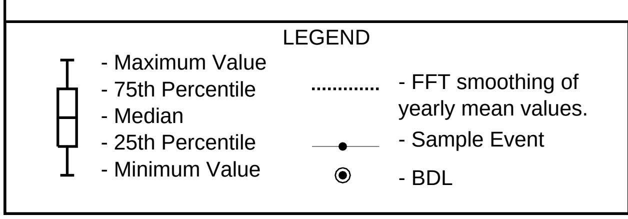
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.



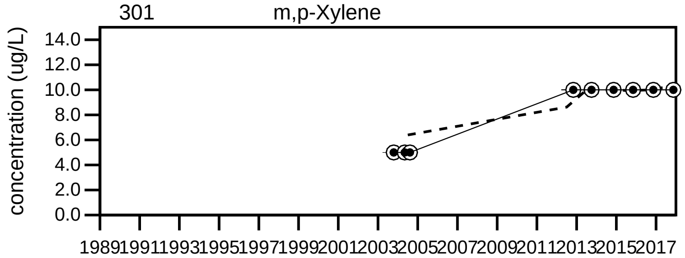


Dolby Landfill

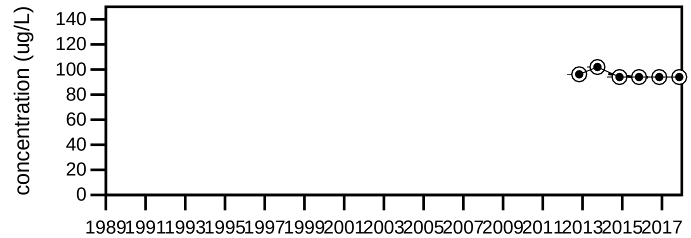
301

Sevee & Maher Engineers, Inc.

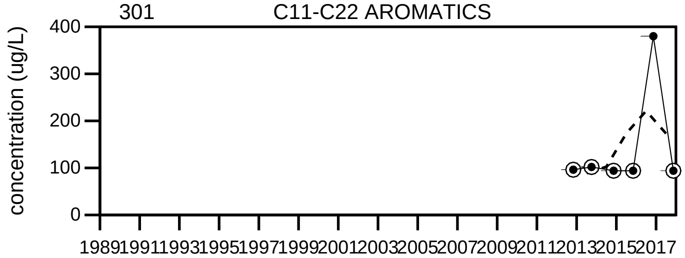
301 m,p-Xylene



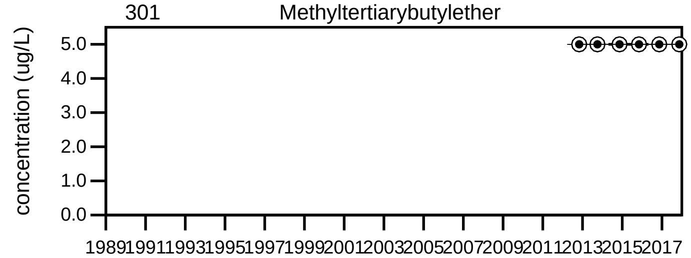
301 C9-C18 ALIPHATICS



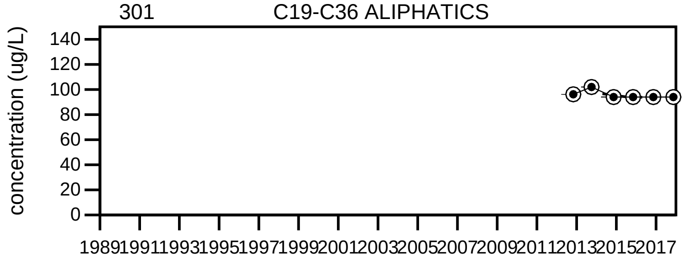
301 C11-C22 AROMATICS



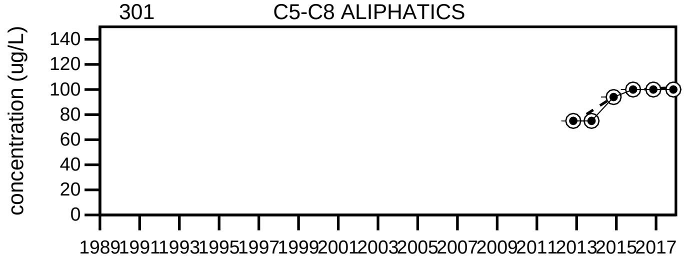
301 Methyltertiarybutylether



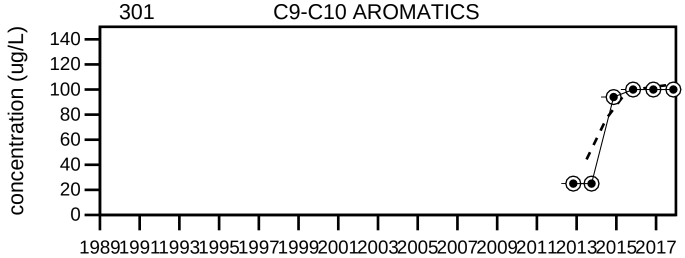
301 C19-C36 ALIPHATICS



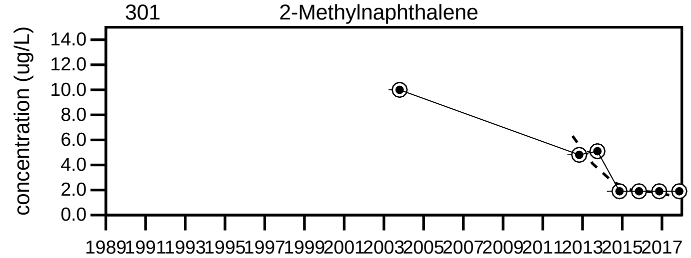
301 C5-C8 ALIPHATICS



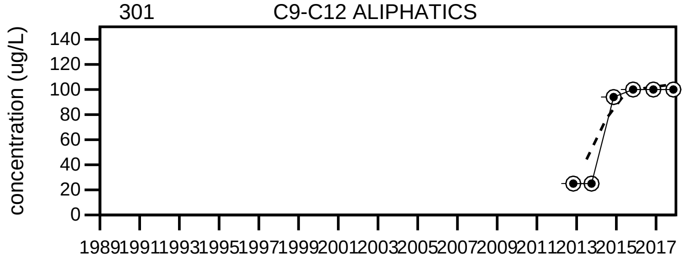
301 C9-C10 AROMATICS



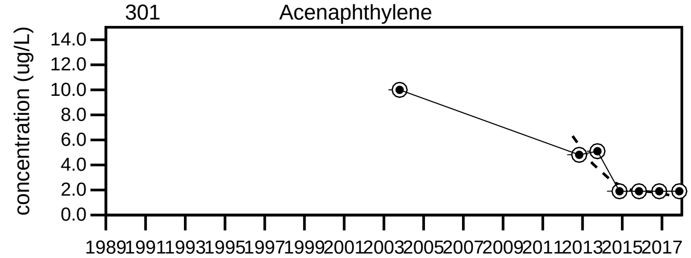
301 2-Methylnaphthalene



301 C9-C12 ALIPHATICS



301 Acenaphthylene



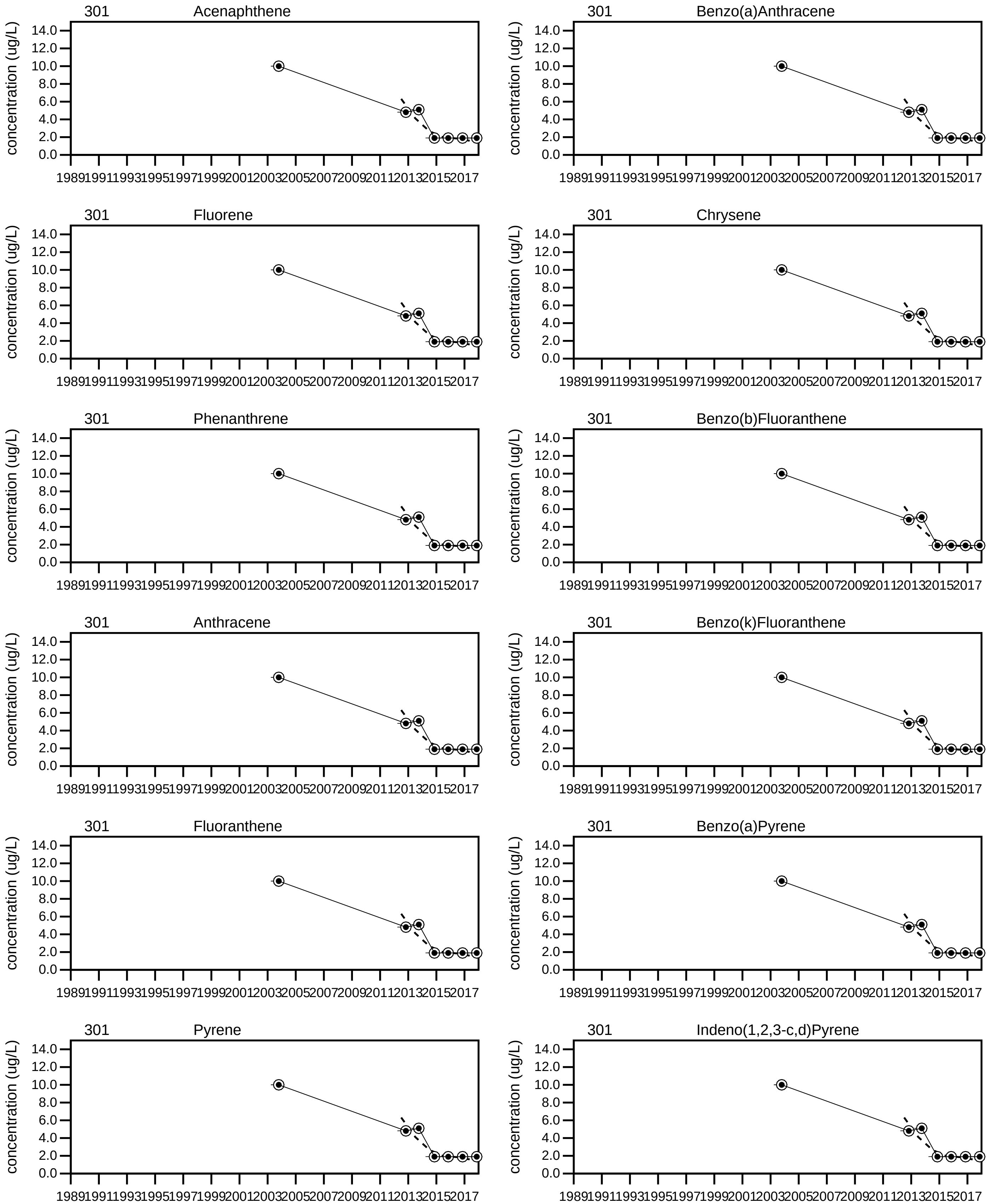
LEGEND

- 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.



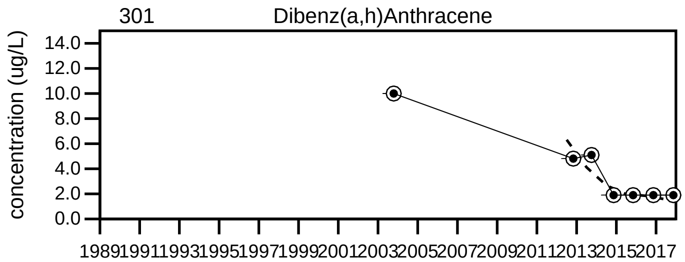
LEGEND

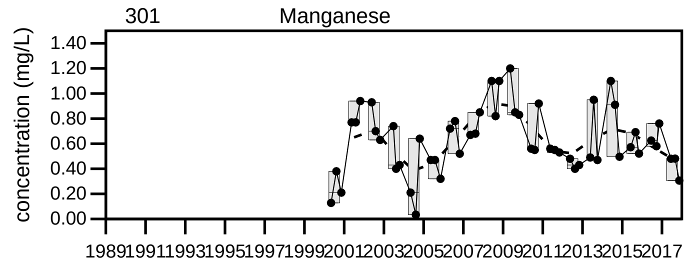
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

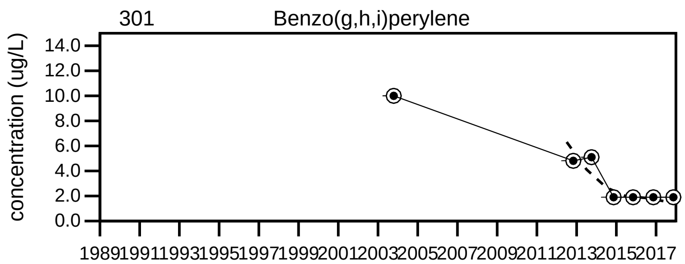
Dolby Landfill

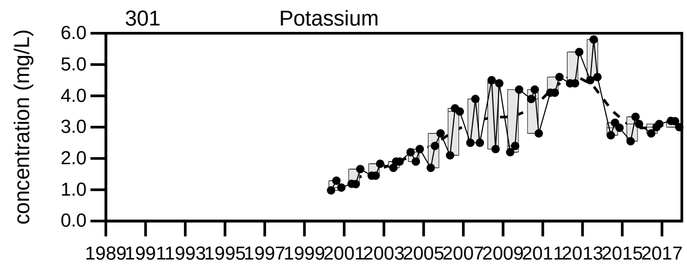
301

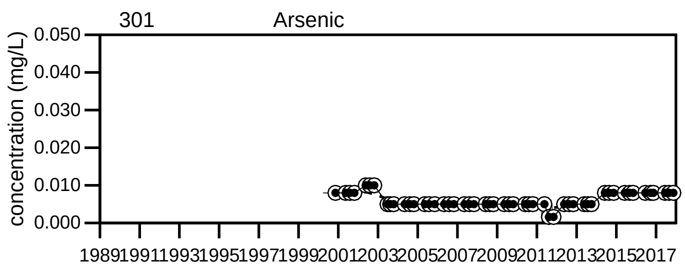
Sevee & Maher Engineers, Inc.

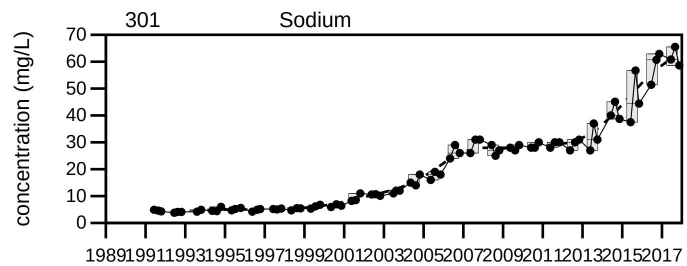


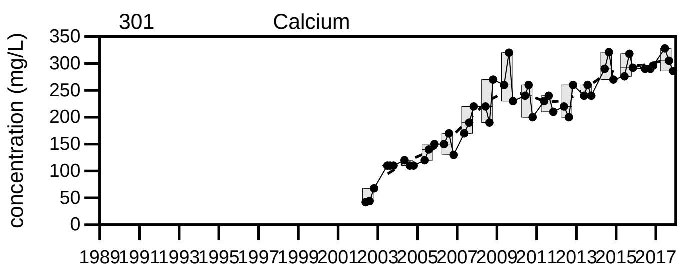


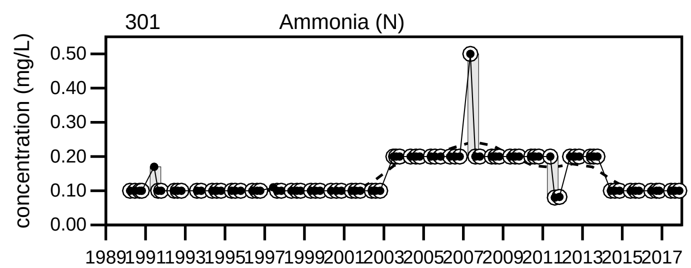


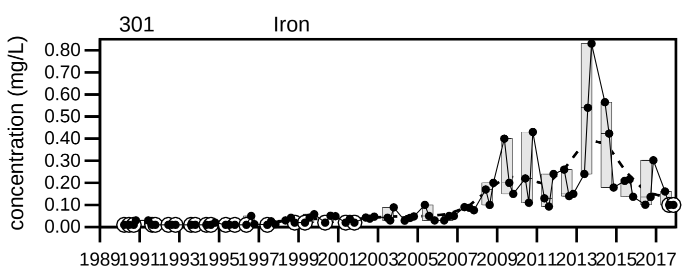


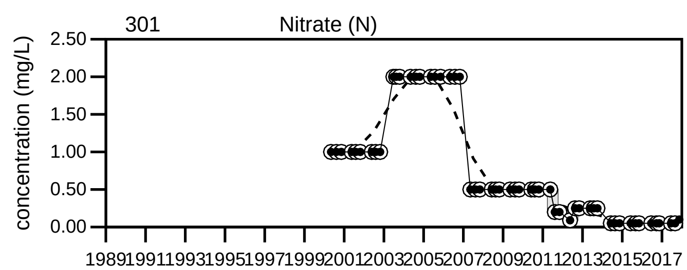


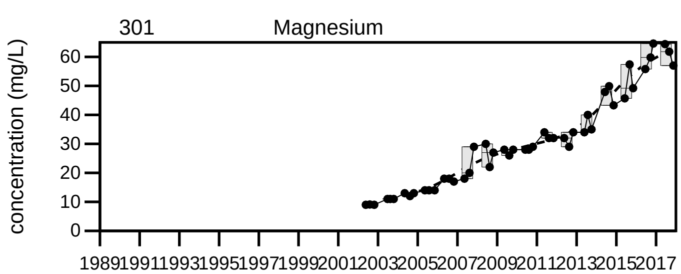


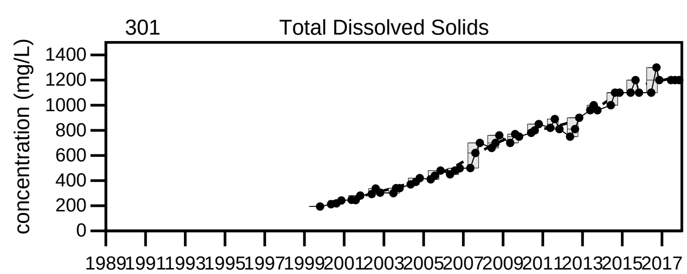












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

301

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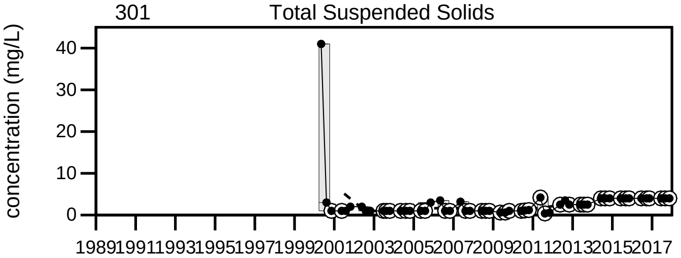
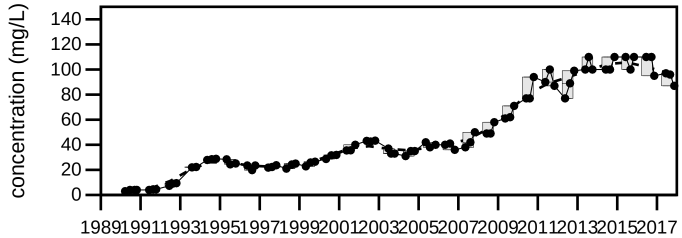
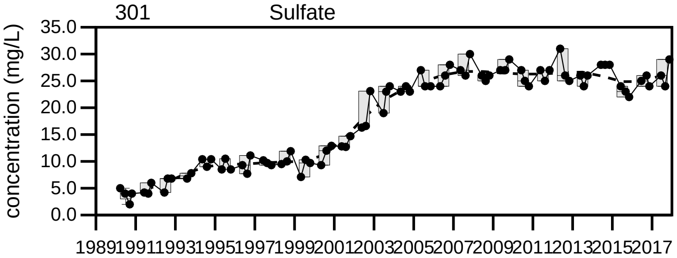
301 Total Suspended Solids



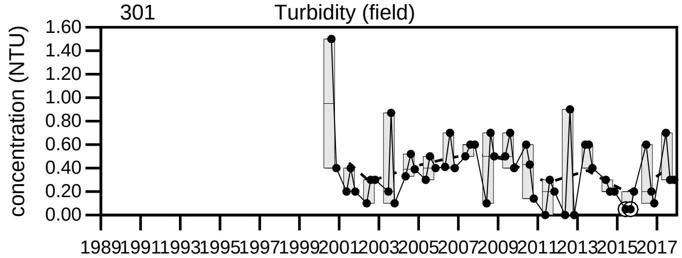
301 Chloride



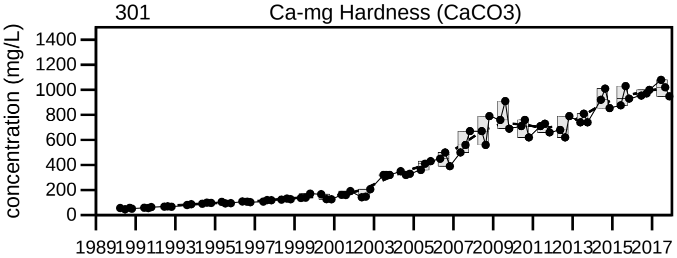
301 Sulfate



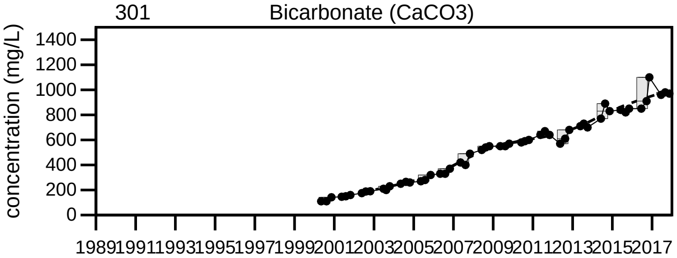
301 Turbidity (field)



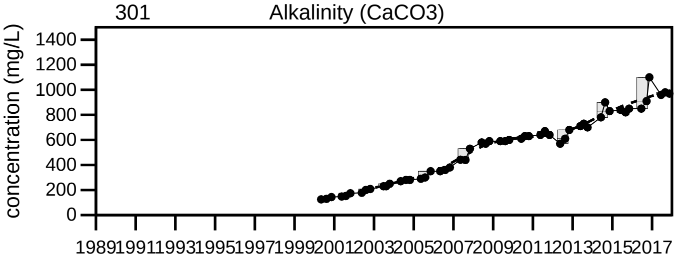
301 Ca-mg Hardness (CaCO3)



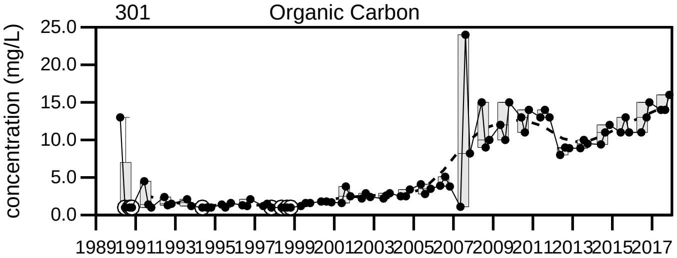
301 Bicarbonate (CaCO3)



301 Alkalinity (CaCO3)



301 Organic Carbon



LEGEND

- Maximum Value
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- 25th Percentile
- Minimum Value

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Dolby Landfill

301

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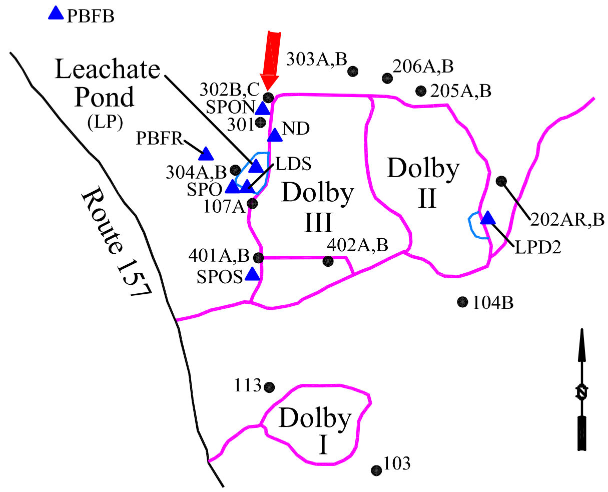
Well Description

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

	2017				Historical (1/1/1990 - 12/31/2017)						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		1419	1503	1419	51	to	1582	610	±	51	83
pH (STU)		6.5	6.5	6.7	5.69	to	8.9	6.5	±	0.049	84
Temperature (Deg C)		13.2	9.8	7.6	1.8	to	14.8	8.7	±	0.27	84
Water Level Depth (Feet)		6.69	↑ 8.8	6.13	4.62	to	8.54	6.3	±	0.23	24
Water Level Elevation (Feet)		347.47	345.36	348.03	345.08	to	349.83	350	±	0.13	84
Water Level Reference Point (Feet)		354.16	354.16	354.16	354.16	to	354.16	350	±	2E-06	24
Dissolved Oxygen (mg/L)		↑ 4	0.6	1.4	0.1	to	2	0.83	±	0.071	50
Well Depth (Feet)				28.14	27.83	to	28.2	28	±	0.017	34
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.02 U	0.0062	±	0.000	49
Calcium (mg/L)		217	212	219	82.2	to	230	180	±	5.8	45
Iron (mg/L)		0.146	0.1 U	0.1 U	0.01 U	to	0.21	0.034	±	0.004	84
Magnesium (mg/L)		↑ 53.6	46.3	46.5	7.3	to	52.3	27	±	1.8	45
Manganese (mg/L)		↑ **33.8**	**24.6**	**28**	1.118	to	30.6	13	±	1.2	51
Potassium (mg/L)		2.88	2.79	2.9	1.16	to	4.7	2.6	±	0.13	51
Sodium (mg/L)		↑ **54.6**	**50**	↑ **52.6**	1.9	to	51.3	20	±	1.8	79
Ammonia (N) (mg/L)		0.46	0.34	0.4	0.08 U	to	0.67	0.15	±	0.009	84
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2 U	0.83	±	0.1	51
Total Dissolved Solids (mg/L)		↑ 1000	950	960	207	to	990	650	±	29	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to	9	2	±	0.23	51
Sulfate (mg/L)		14	14	8.6	1 U	to	78	20	±	1.7	84
Ca-mg Hardness (CaCO3) (mg/L)		763	719	738	20	to	768	310	±	28	84
Bicarbonate (CaCO3) (mg/L)		760	740	↑ 780	81	to	770	480	±	27	51
Alkalinity (CaCO3) (mg/L)		760	740	↑ 780	88.9	to	770	490	±	26	51
Organic Carbon (mg/L)		21	20	22	1 U	to	34	9.7	±	0.91	84
Chloride (mg/L)		74	75	72	1 U	to	82	30	±	2.7	84
Turbidity (field) (NTU)		↑ 1.8	0.4	0.5	0	to	0.8	0.32	±	0.025	50

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

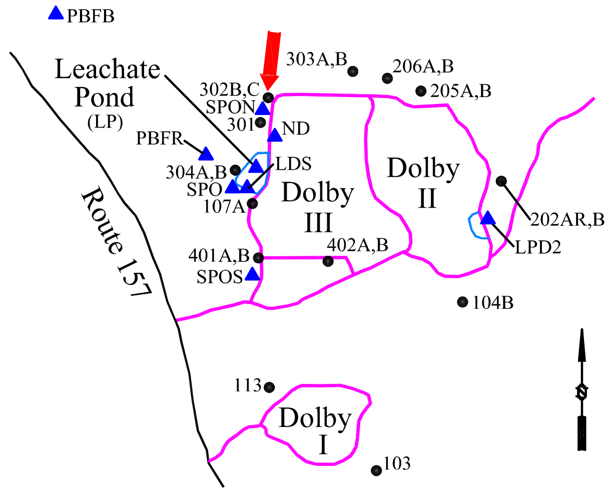
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

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

	2017				Historical (1/1/1990 - 12/31/2017)						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Benzene (ug/L)				3 U	3 U	to	5 U	4.3	±	0.37	8
Toluene (ug/L)				5 U	5 U	to	5 U	5	±	0	8
Ethylbenzene (ug/L)				5 U	5 U	to	5 U	5	±	0	8
o-Xylene (ug/L)				5 U	5 U	to	5 U	5	±	0	8
m,p-Xylene (ug/L)				10 U	5 U	to	10 U	8.1	±	0.91	8
C11-C22 AROMATICS (ADJUSTED) (ug/L				94 U	94 U	to	101 U	96	±	1.4	5
C19-C36 ALIPHATICS (ADJUSTED) (ug/L				94 U	94 U	to	101 U	96	±	1.4	5
C5-C8 ALIPHATICS (ADJUSTED) (ug/L)				100 U	75 U	to	100 U	89	±	5.7	5
C9-C10 AROMATICS (ADJUSTED) (ug/L)				100 U	25 U	to	100 U	69	±	18	5
C9-C12 ALIPHATICS (ADJUSTED) (ug/L)				100 U	25 U	to	100 U	69	±	18	5
C9-C18 ALIPHATICS (ADJUSTED) (ug/L)				94 U	94 U	to	101 U	96	±	1.4	5
Methyltertiarybutylether (ug/L)				5 U	5 U	to	5 U	5	±	0	5
Naphthalene (ug/L)				5 U	4.81 U	to	10 U	5.8	±	0.84	6
Naphthalene (EPH) (ug/L)				1.9 U	1.9 U	to	1.9 U	1.9	±	0	2
2-Methylnaphthalene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Acenaphthylene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Acenaphthene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Fluorene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Phenanthrene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Anthracene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Fluoranthene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Pyrene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Benzo(a)Anthracene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Chrysene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Benzo(b)Fluoranthene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Benzo(k)Fluoranthene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Benzo(a)Pyrene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Indeno(1,2,3-c,d)Pyrene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Dibenz(a,h)Anthracene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6
Benzo(g,h,i)perylene (ug/L)				1.9 U	1.9 U	to	10 U	4.3	±	1.3	6

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

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Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

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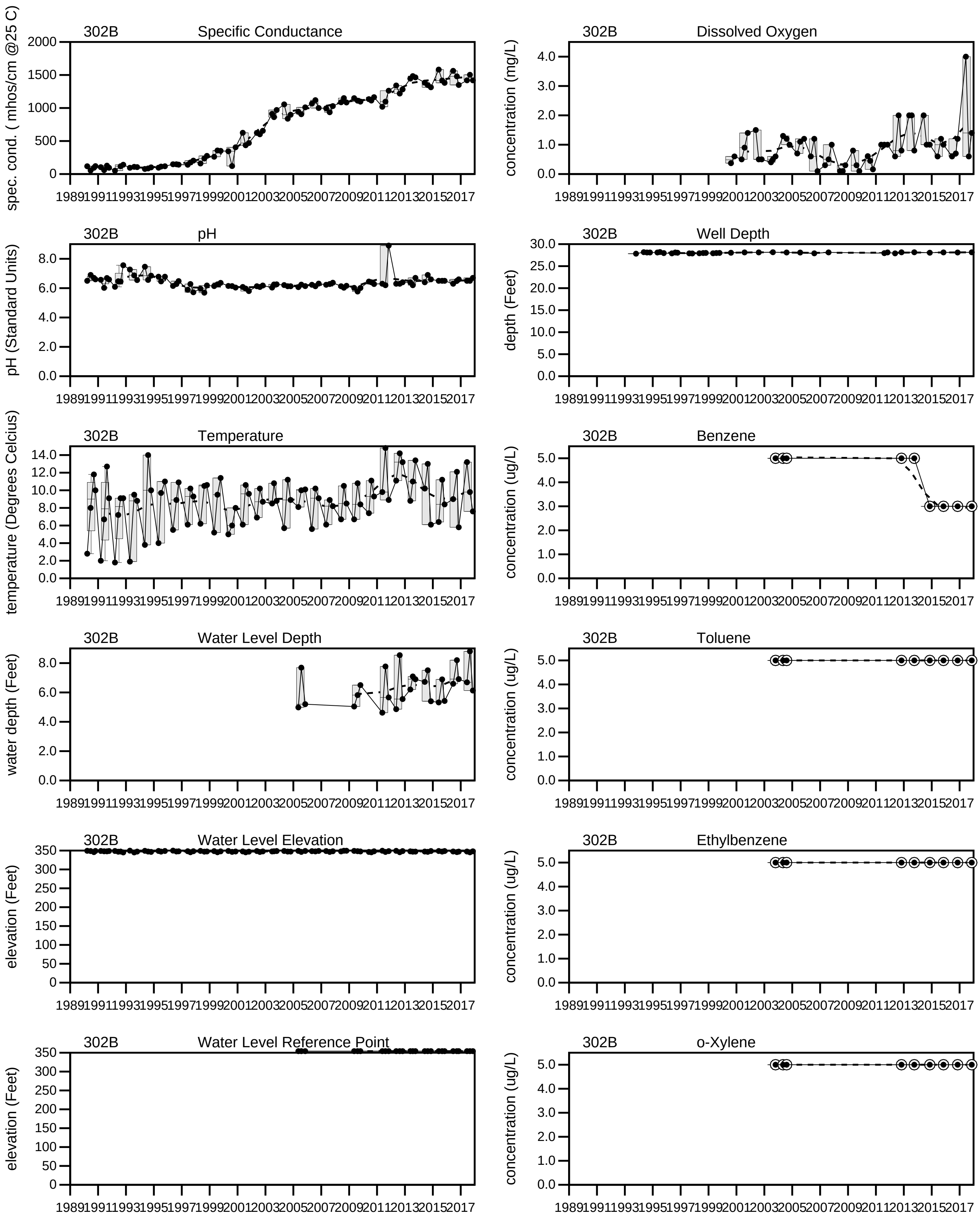

LEGEND

- Maximum Value
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- Minimum Value
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Dolby Landfill

302B

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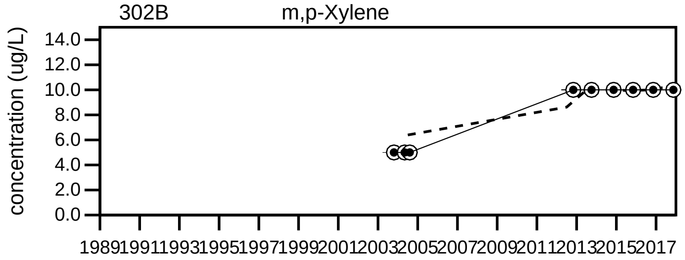
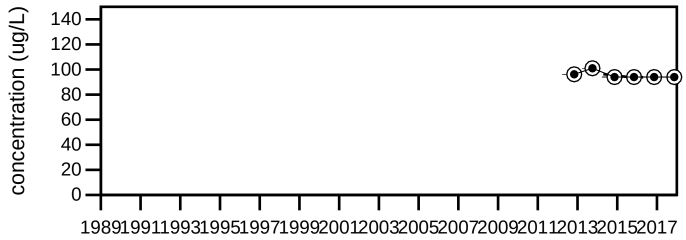
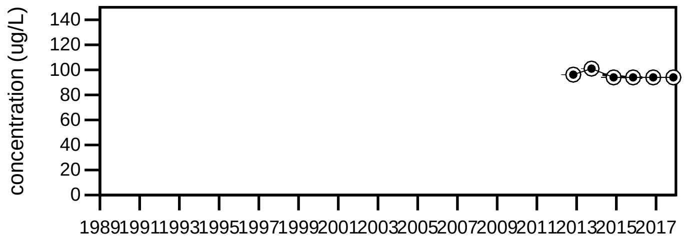
302B m,p-Xylene



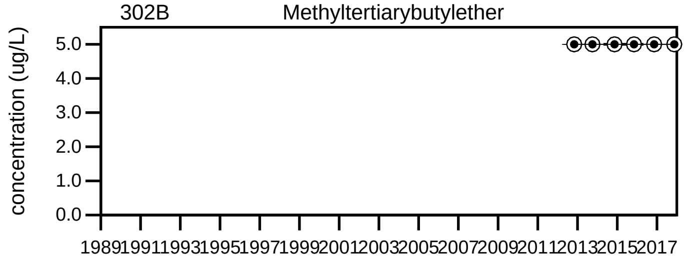
302B C9-C18 ALIPHATICS



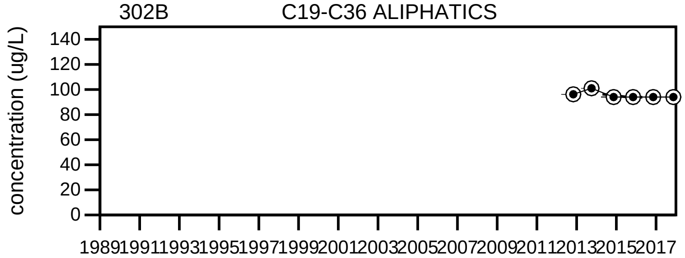
302B C11-C22 AROMATICS



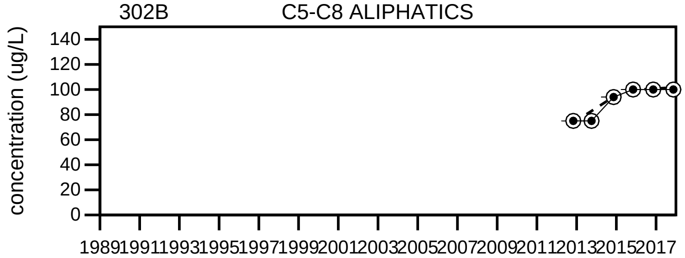
302B Methyltertiarybutylether



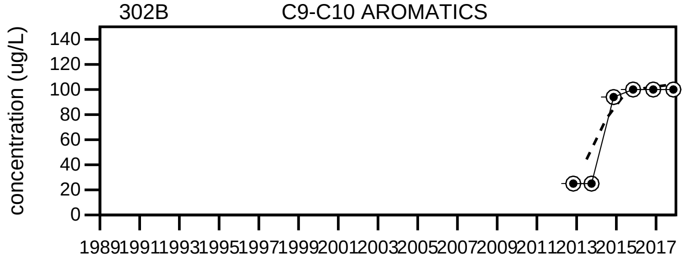
302B C19-C36 ALIPHATICS



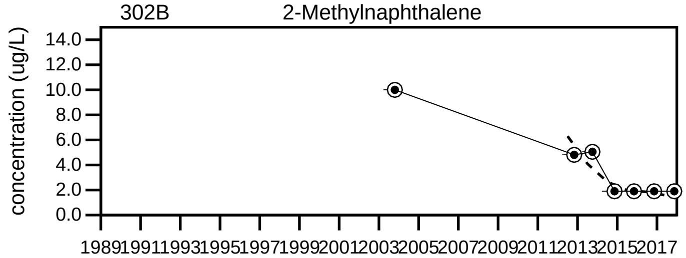
302B C5-C8 ALIPHATICS



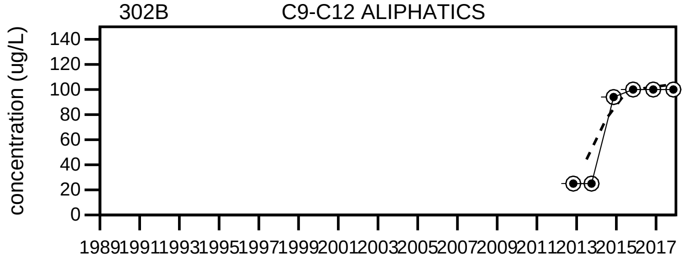
302B C9-C10 AROMATICS



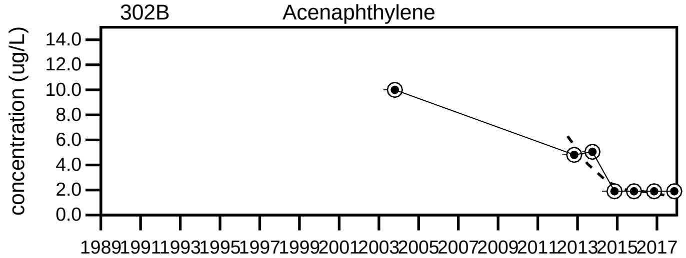
302B 2-Methylnaphthalene

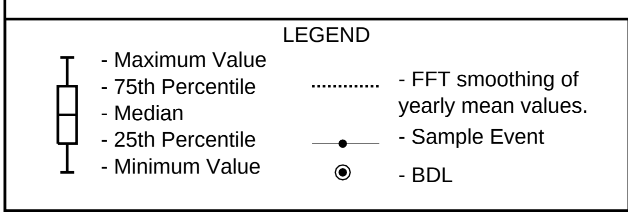


302B C9-C12 ALIPHATICS



302B Acenaphthylene





Dolby Landfill

302B

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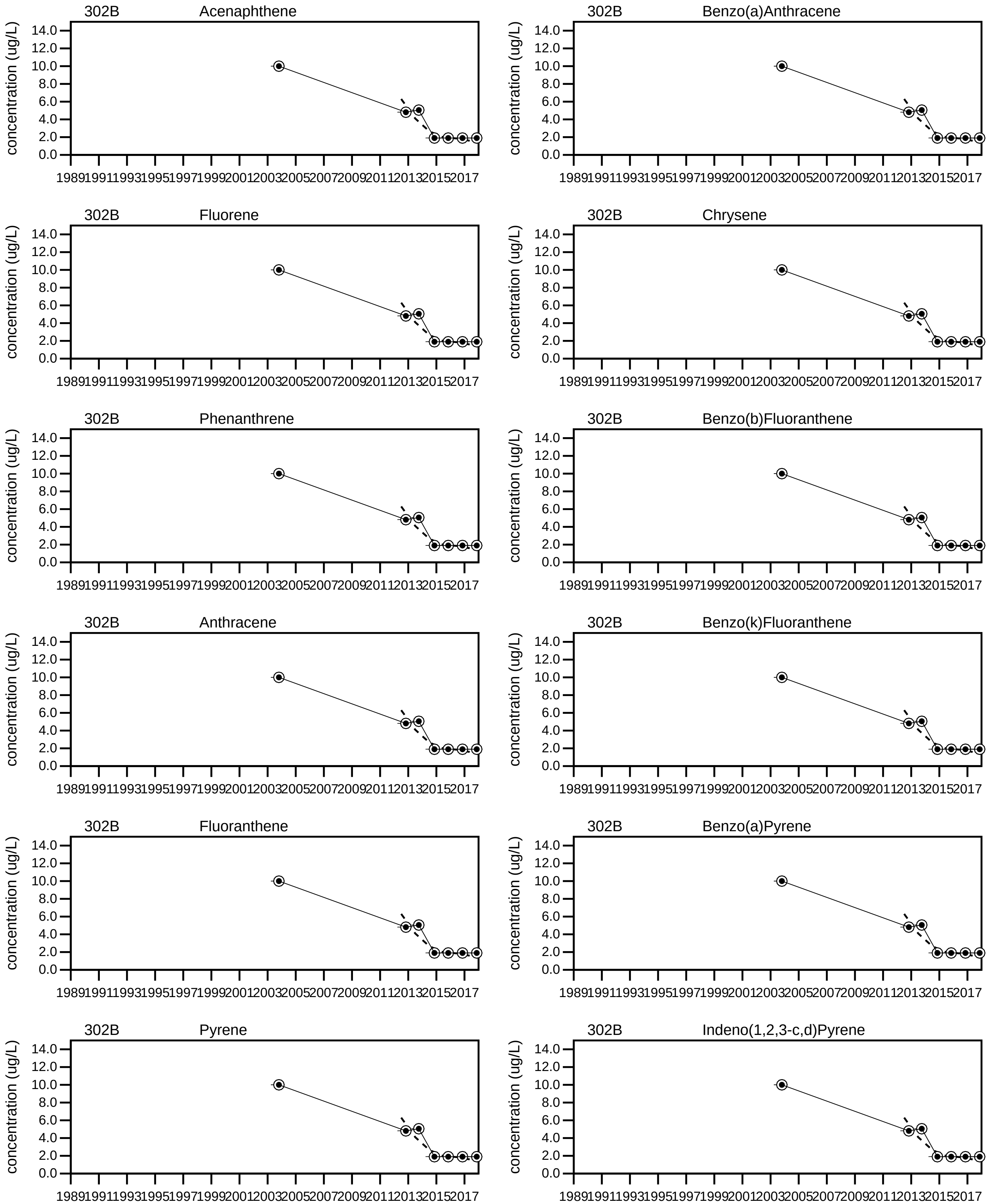

LEGEND

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302B

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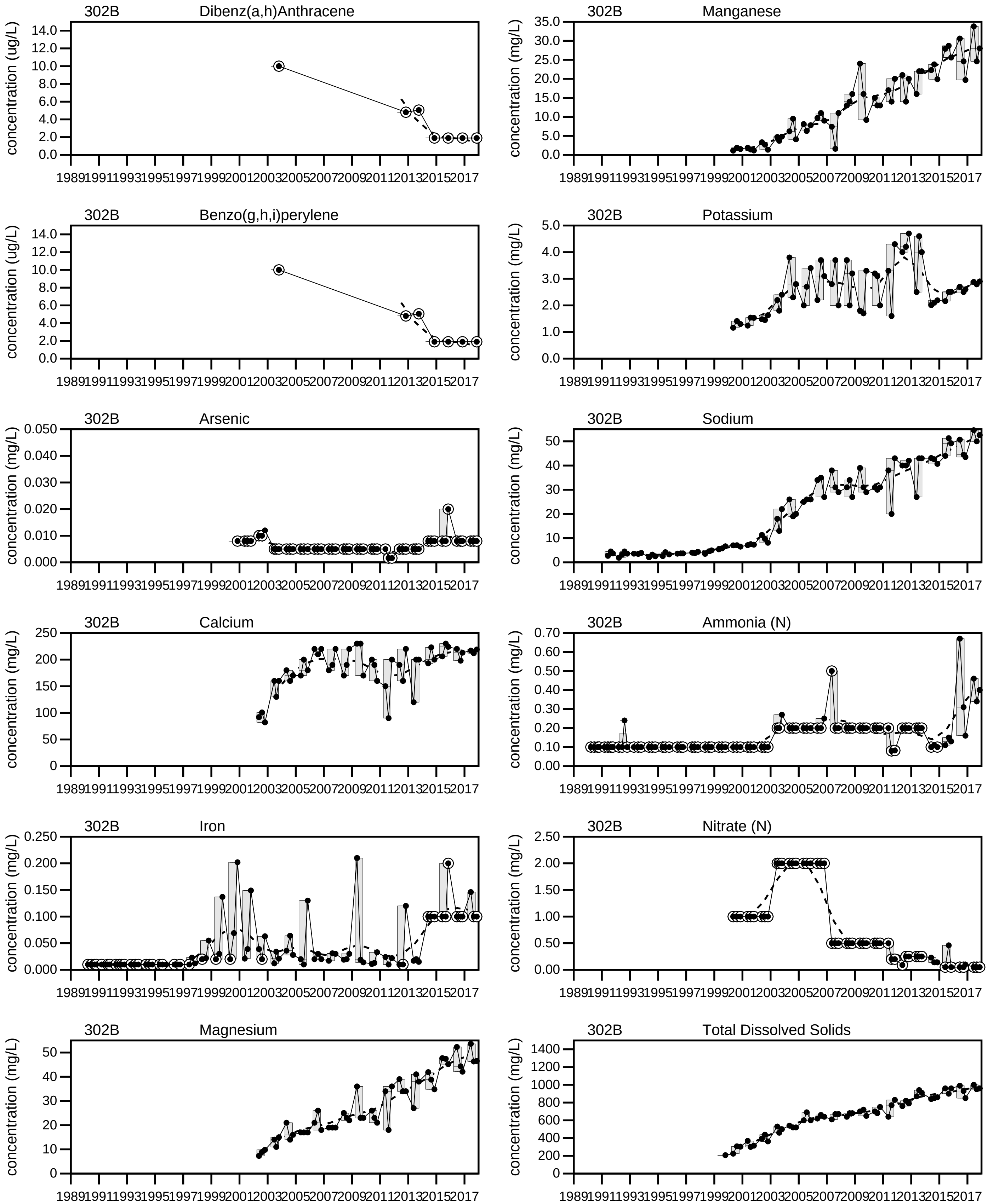

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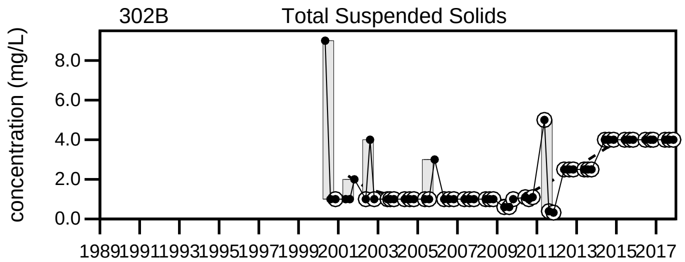
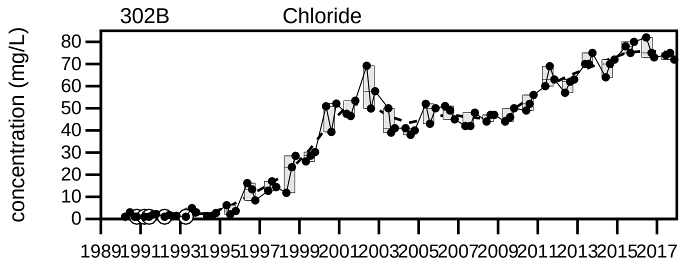
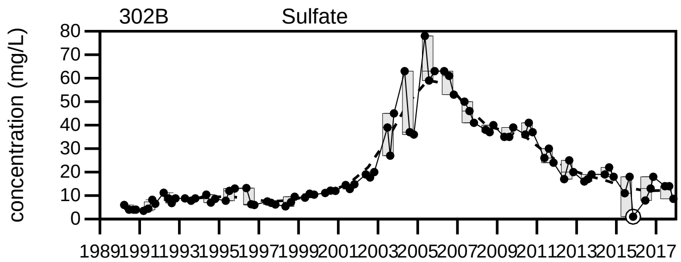
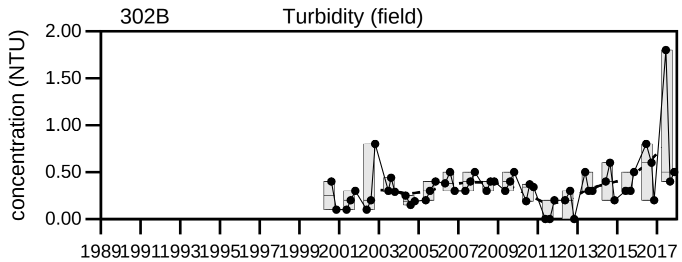
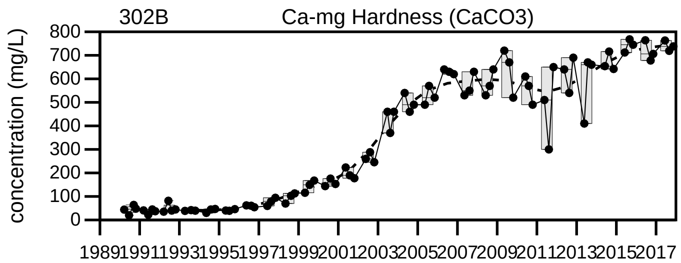
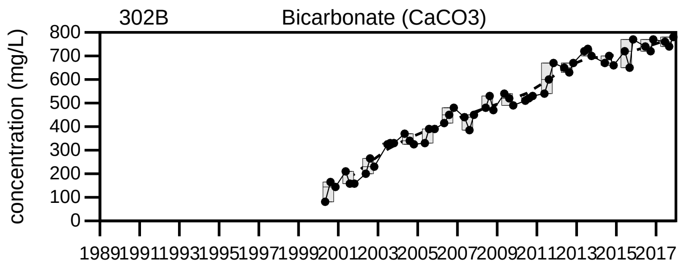


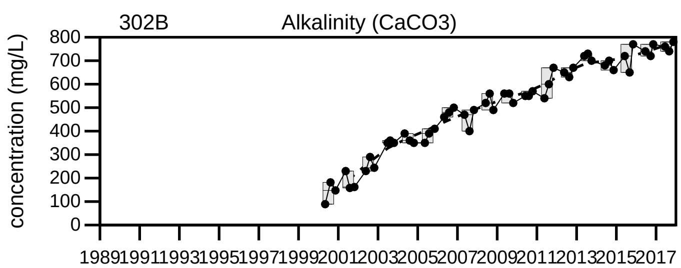


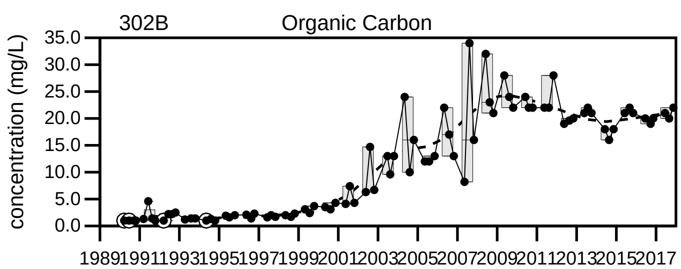












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

- FFT smoothing of yearly mean values.
- Sample Event
- BDL

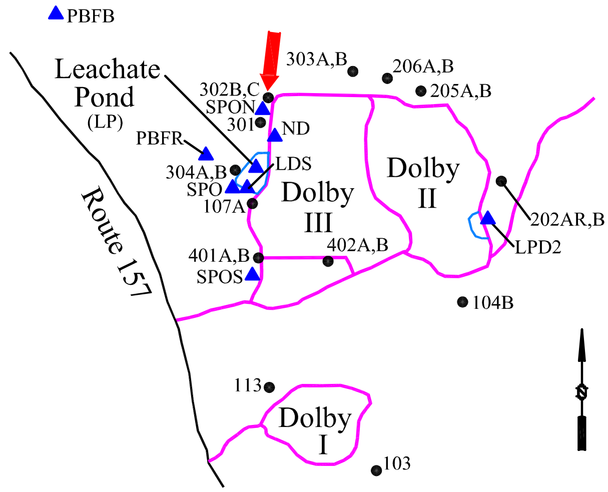
Dolby Landfill

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

	2017				Historical (1/1/1990 - 12/31/2017)					
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		1520	1311	1440	35	to	1565	560	± 51	83
pH (STU)		6.4	6.4	6.4	5.28	to	7.3	6.2	± 0.035	84
Temperature (Deg C)		10.4	11.3	9	1.9	to	13.6	8.9	± 0.27	84
Water Level Depth (Feet)		6.94	↑ 8.91	6.15	4.78	to	8.68	6.4	± 0.23	24
Water Level Elevation (Feet)		346.27	344.3	347.06	343.96	to	348.71	350	± 0.13	84
Water Level Reference Point (Feet)		353.21	353.21	353.21	353.21	to	353.21	350	± 1E-06	24
Dissolved Oxygen (mg/L)		0.6	0.4	1.2	0.1	to	2.7	0.73	± 0.073	50
Well Depth (Feet)				14.22	14	to	14.46	14	± 0.018	34
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.02 U	0.0062	± 0.000	49
Calcium (mg/L)		191	170	150	72	to	240	150	± 5	45
Iron (mg/L)		0.444	0.687	0.251	0.01 U	to	2.442	0.37	± 0.052	84
Magnesium (mg/L)		↑ 61	48.9	52.4	9.2	to	58.8	34	± 1.9	45
Manganese (mg/L)		↑ **43.6**	**34.8**	**37.8**	0.171	to	42	17	± 1.8	51
Potassium (mg/L)		3.99	3.23	↑ 6	1.19	to	5	2.8	± 0.14	51
Sodium (mg/L)		↑ **56.4**	**51.6**	**50.1**	1.1	to	54	20	± 1.9	79
Ammonia (N) (mg/L)		1.2	0.7	↑ 2.3	0.08 U	to	1.4	0.18	± 0.018	84
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2 U	0.82	± 0.1	51
Total Dissolved Solids (mg/L)		↑ 1000	840	880	189	to	970	590	± 28	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to	23	2.3	± 0.45	51
Sulfate (mg/L)		1 U	1 U	1 U	1 U	to	79	18	± 1.9	84
Ca-mg Hardness (CaCO3) (mg/L)		728	626	590	10.8	to	731	280	± 26	84
Bicarbonate (CaCO3) (mg/L)		↑ 810	710	720	39	to	770	440	± 29	51
Alkalinity (CaCO3) (mg/L)		↑ 810	710	720	47.3	to	770	460	± 28	51
Organic Carbon (mg/L)		24	19	22	1 U	to	48	9.7	± 0.95	84
Chloride (mg/L)		67	52	55	1 U	to	140	30	± 2.7	84
Turbidity (field) (NTU)		1.2	0.1	0.3	0	to	1.2	0.33	± 0.03	50

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.

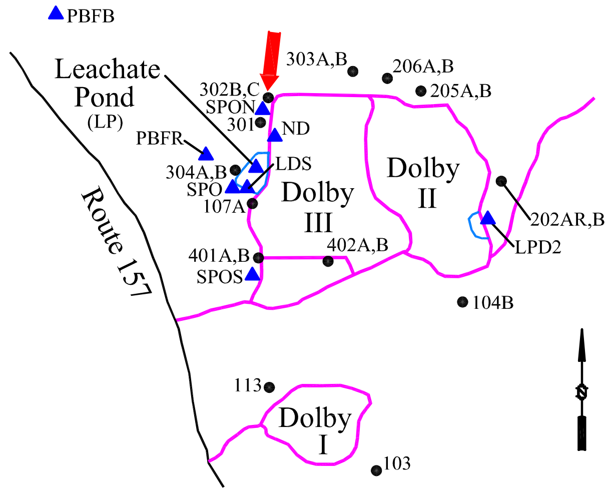
Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min	Max	Mean	SE	n
Benzene (ug/L)				3 U	3 U	to 5 U	4.3	± 0.37	8
Toluene (ug/L)				5 U	5 U	to 5 U	5	± 0	8
Ethylbenzene (ug/L)				5 U	5 U	to 5 U	5	± 0	8
o-Xylene (ug/L)				5 U	5 U	to 5 U	5	± 0	8
m,p-Xylene (ug/L)				10 U	5 U	to 10 U	8.1	± 0.91	8
C11-C22 AROMATICS (ADJUSTED) (ug/L				94 U	94 U	to 101 U	96	± 1.3	5
C19-C36 ALIPHATICS (ADJUSTED) (ug/L				94 U	94 U	to 101 U	96	± 1.3	5
C5-C8 ALIPHATICS (ADJUSTED) (ug/L)				100 U	75 U	to 100 U	89	± 5.7	5
C9-C10 AROMATICS (ADJUSTED) (ug/L)				100 U	25 U	to 100 U	69	± 18	5
C9-C12 ALIPHATICS (ADJUSTED) (ug/L)				100 U	25 U	to 100 U	69	± 18	5
C9-C18 ALIPHATICS (ADJUSTED) (ug/L)				94 U	94 U	to 101 U	96	± 1.3	5
Methyltertiarybutylether (ug/L)				5 U	5 U	to 5 U	5	± 0	5
Naphthalene (ug/L)				5 U	4.81 U	to 10 U	5.8	± 0.84	6
Naphthalene (EPH) (ug/L)				1.9 U	1.9 U	to 1.9 U	1.9	± 0	2
2-Methylnaphthalene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Acenaphthylene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Acenaphthene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Fluorene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Phenanthrene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Anthracene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Fluoranthene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Pyrene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(a)Anthracene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Chrysene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(b)Fluoranthene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(k)Fluoranthene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(a)Pyrene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Indeno(1,2,3-c,d)Pyrene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Dibenz(a,h)Anthracene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6
Benzo(g,h,i)perylene (ug/L)				1.9 U	1.9 U	to 10 U	4.3	± 1.3	6

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

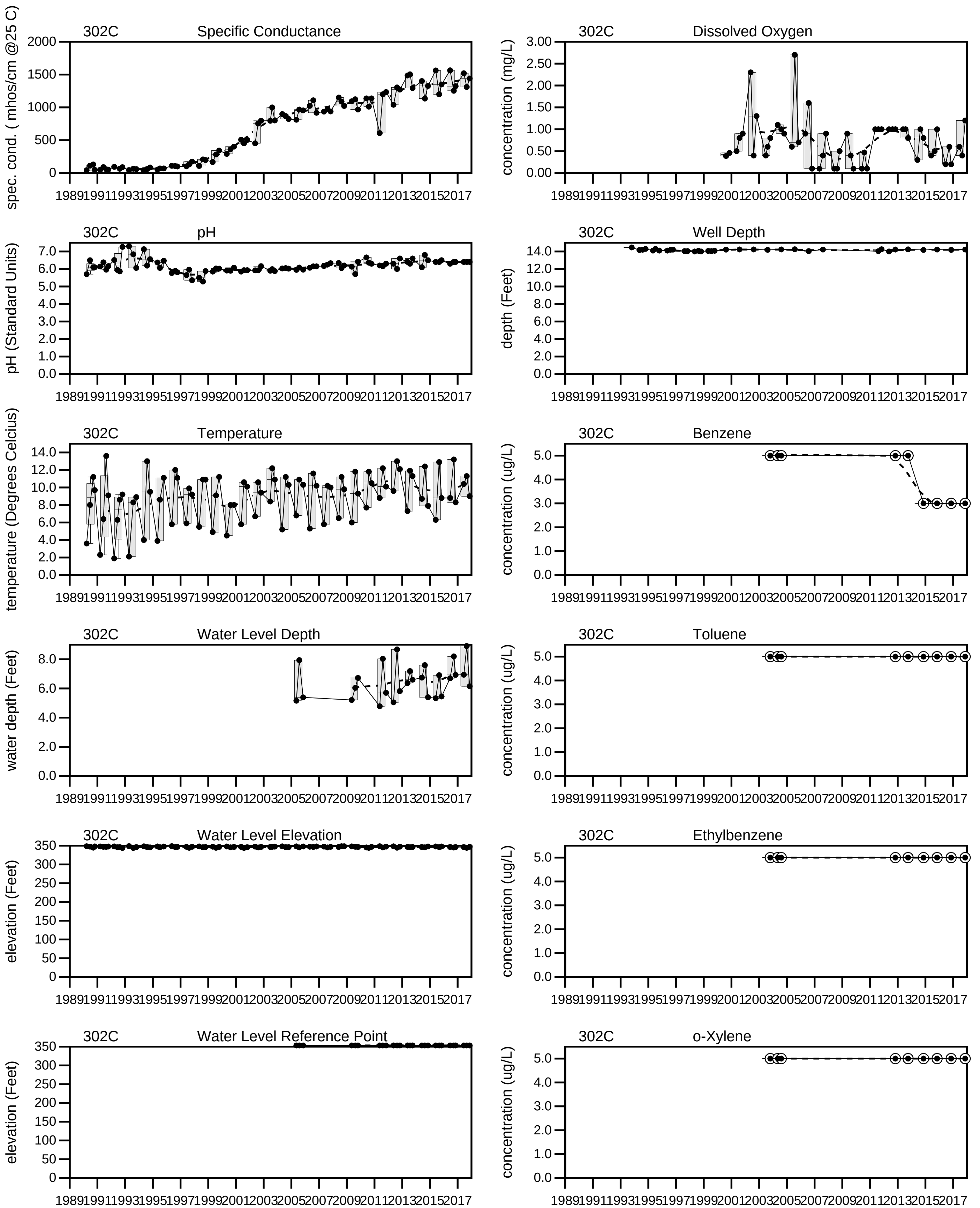
MEG16=50 ug/L, Benzo(b)Fluoranthene MEG16=0.5 ug/L, Benzo(k)Fluoranthene MEG16=5 ug/L, Benzo(a)Pyrene MEG16=0.05 ug/L, MCL=0.2 ug/L, Indeno(1,2,3-c,d)Pyrene MEG16=0.5 ug/L, Naphthalene MEG16=10 ug/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.



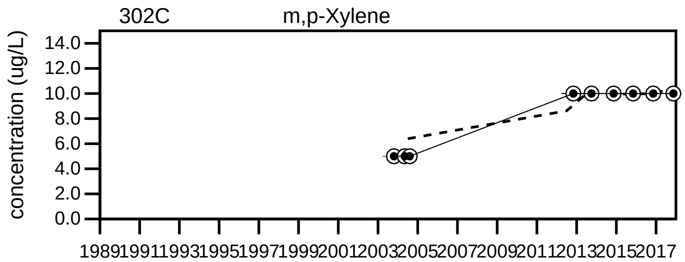
LEGEND

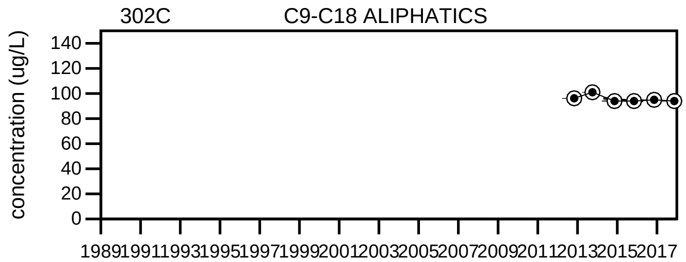
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

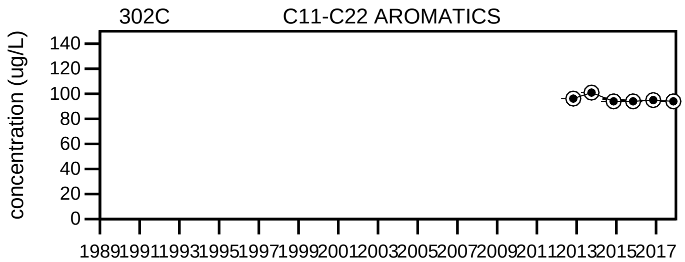
Dolby Landfill

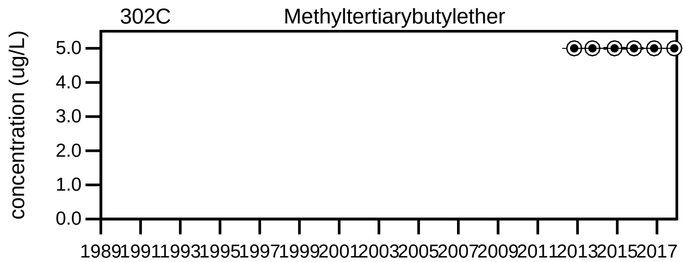
302C

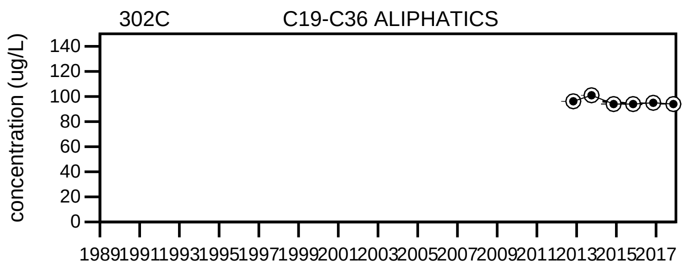
Sevee & Maher Engineers, Inc.

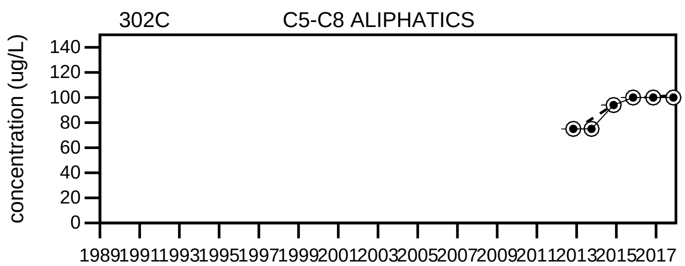


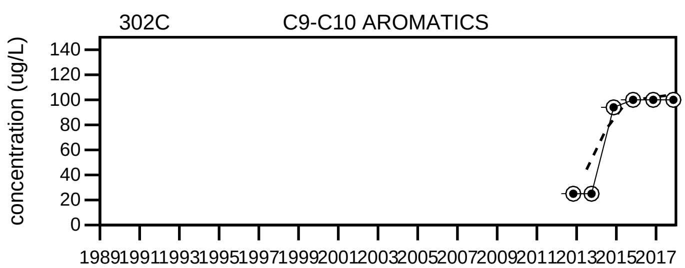


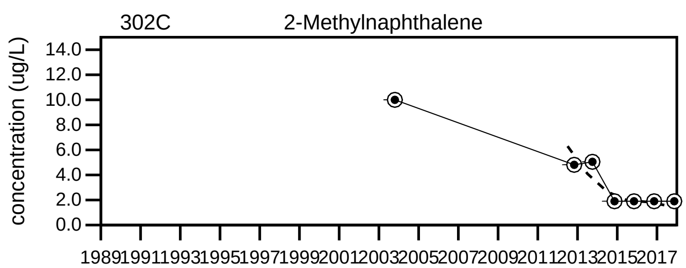


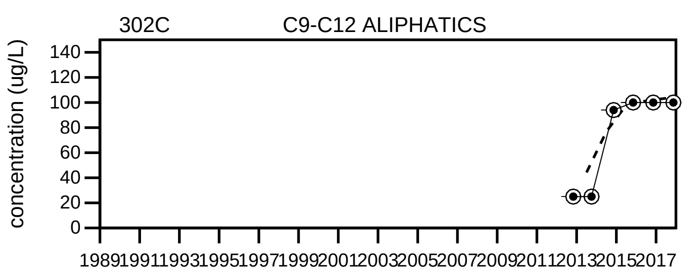


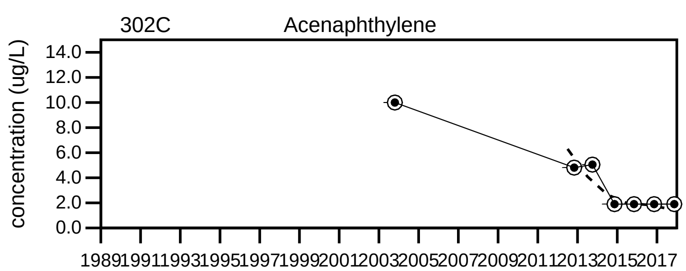












LEGEND

- Maximum Value
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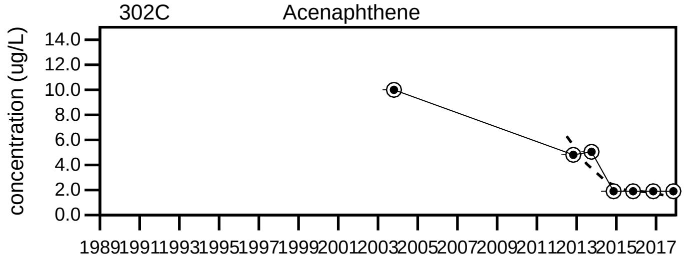
Dolby Landfill

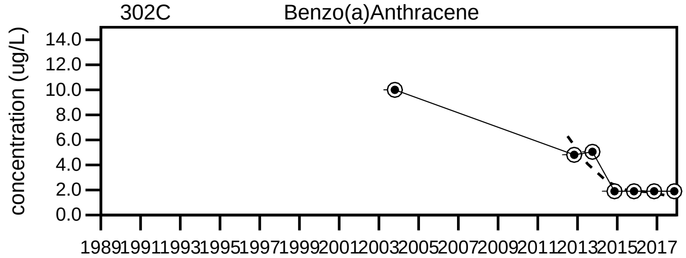
302C

Sevee & Maher Engineers, Inc.

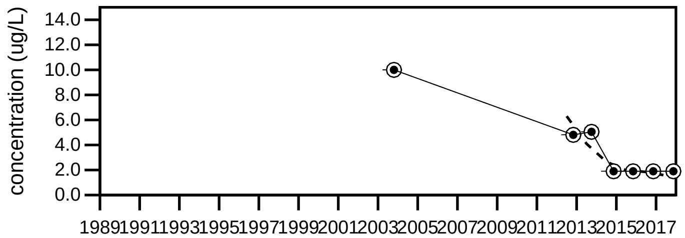
302C Acenaphthene



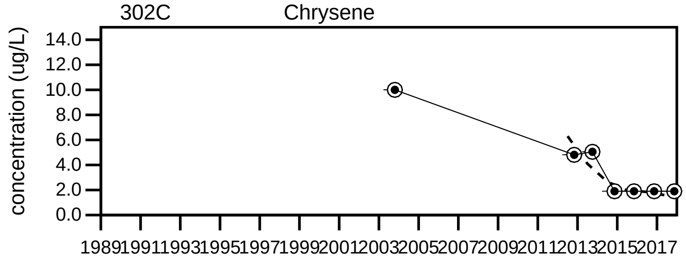
302C Benzo(a)Anthracene



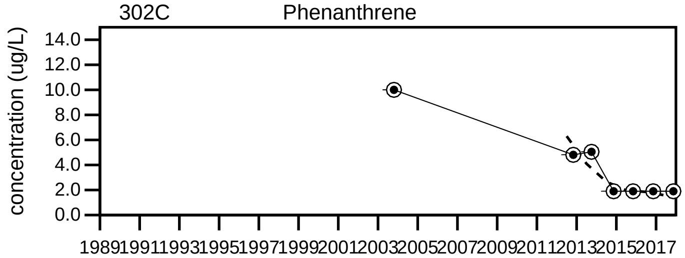
302C Fluorene



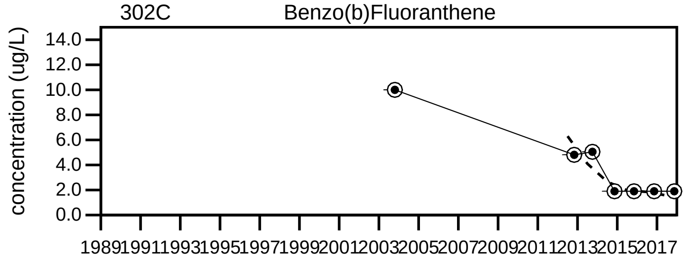
302C Chrysene



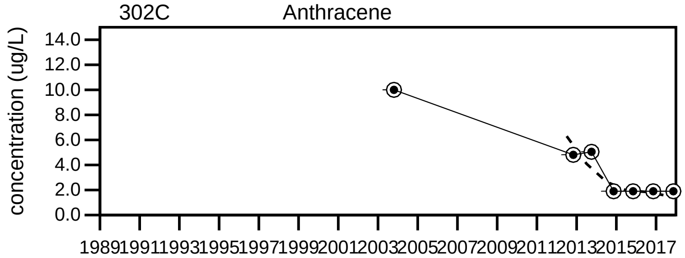
302C Phenanthrene



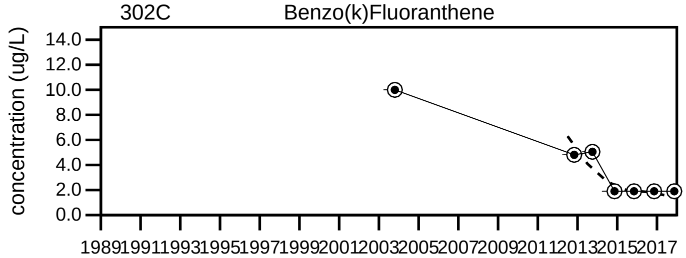
302C Benzo(b)Fluoranthene



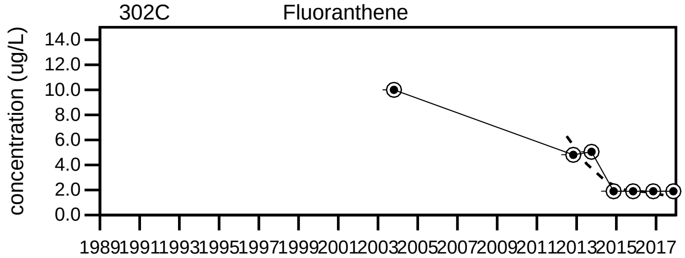
302C Anthracene



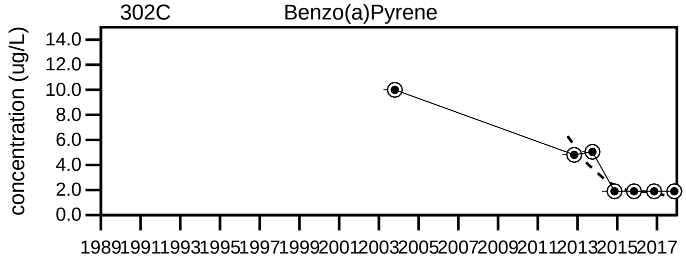
302C Benzo(k)Fluoranthene



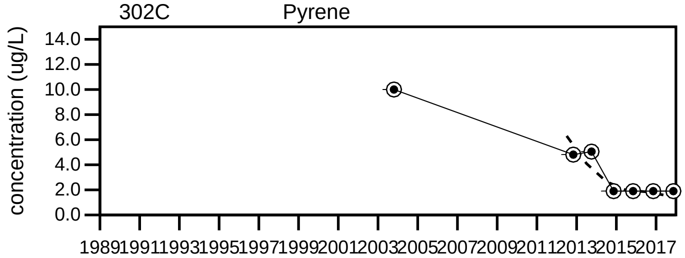
302C Fluoranthene



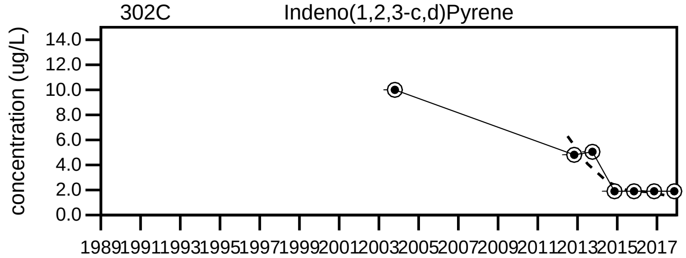
302C Benzo(a)Pyrene



302C Pyrene



302C Indeno(1,2,3-c,d)Pyrene



LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

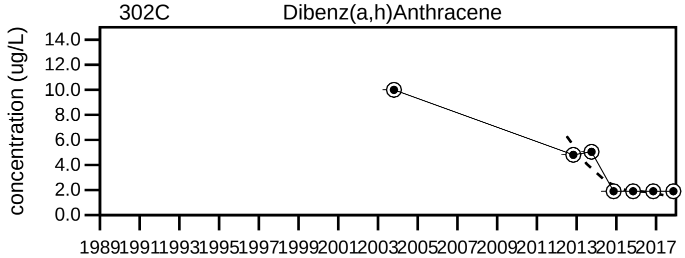
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

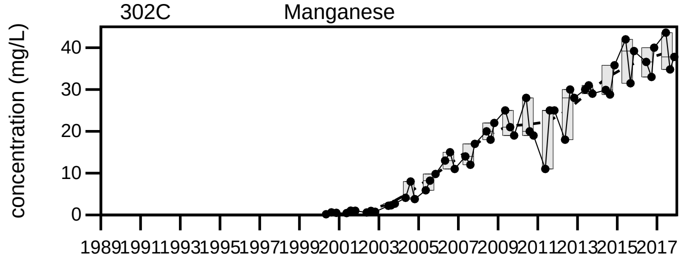
302C

Sevee & Maher Engineers, Inc.

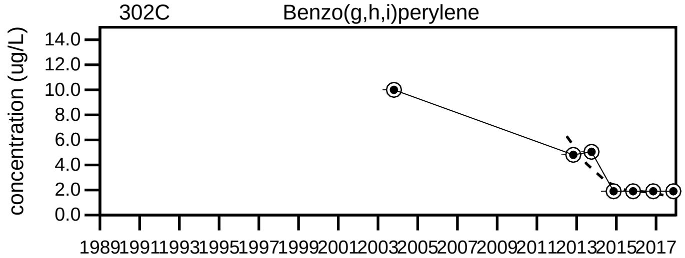
302C Dibenz(a,h)Anthracene



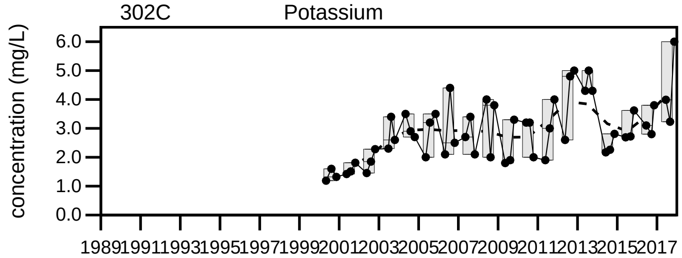
302C Manganese



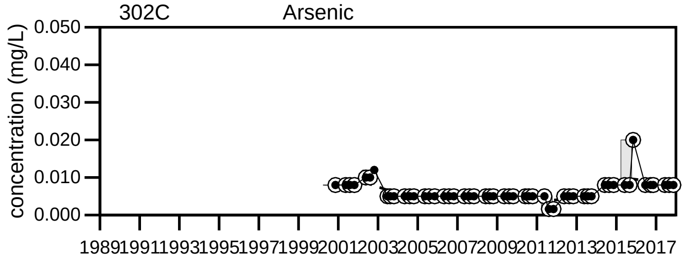
302C Benzo(g,h,i)perylene



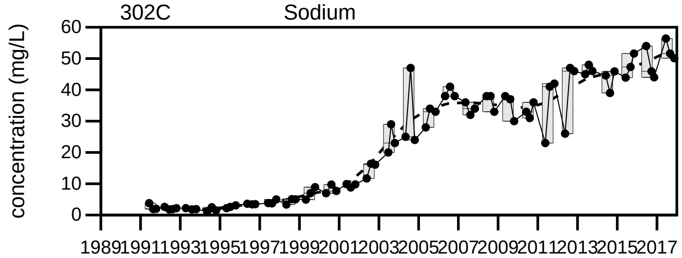
302C Potassium



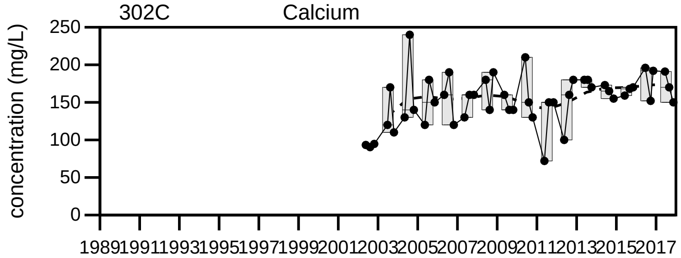
302C Arsenic



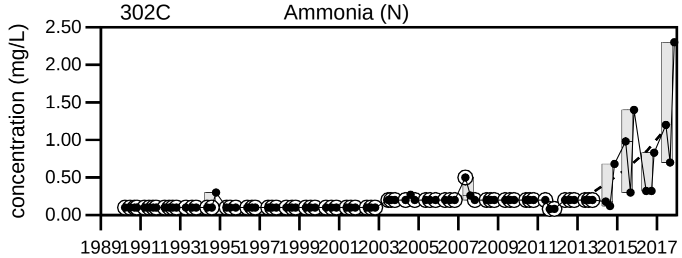
302C Sodium



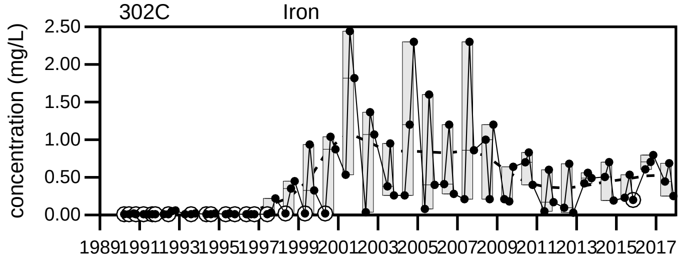
302C Calcium



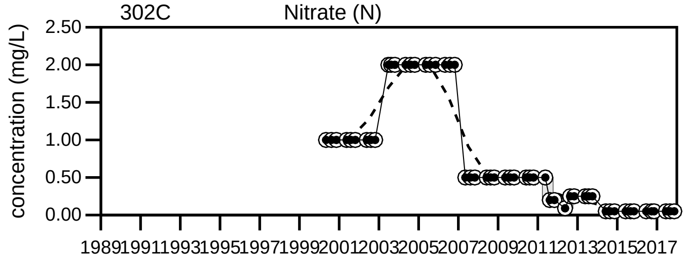
302C Ammonia (N)



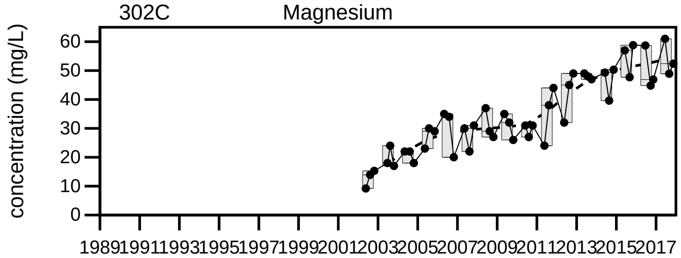
302C Iron



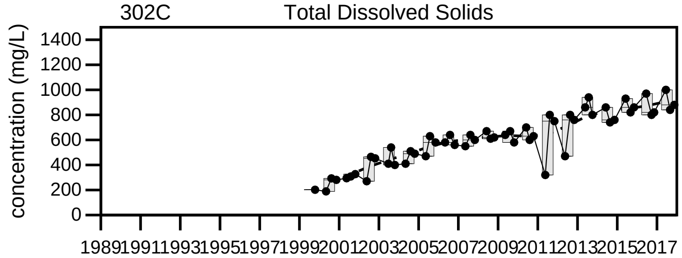
302C Nitrate (N)



302C Magnesium



302C Total Dissolved Solids



LEGEND

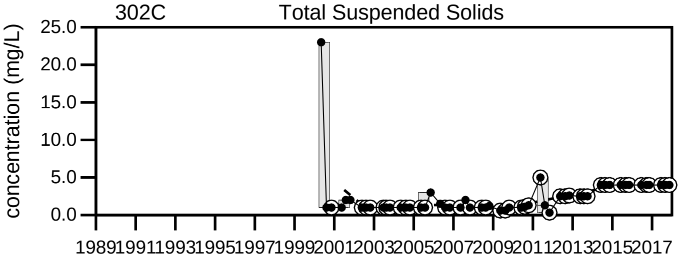
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

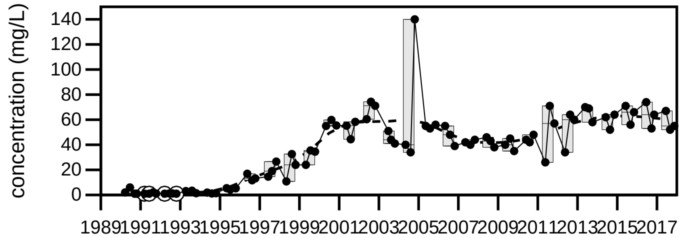
302C

Sevee & Maher Engineers, Inc.

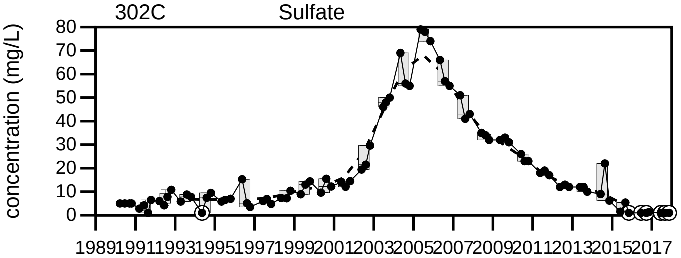
302C Total Suspended Solids



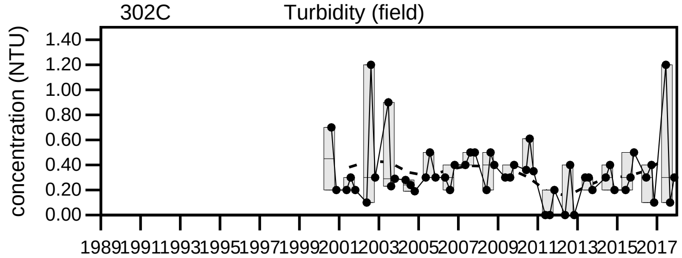
302C Chloride



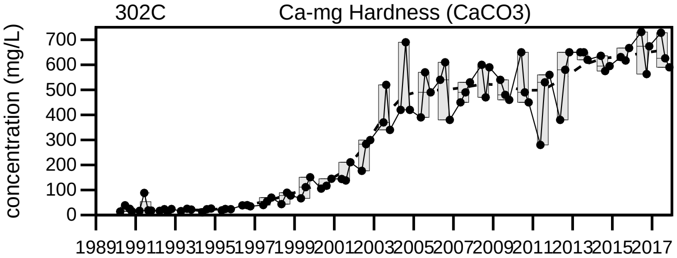
302C Sulfate



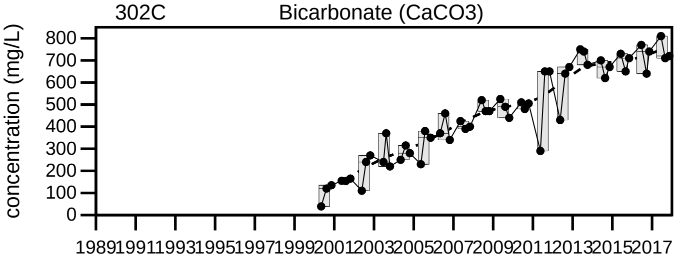
302C Turbidity (field)



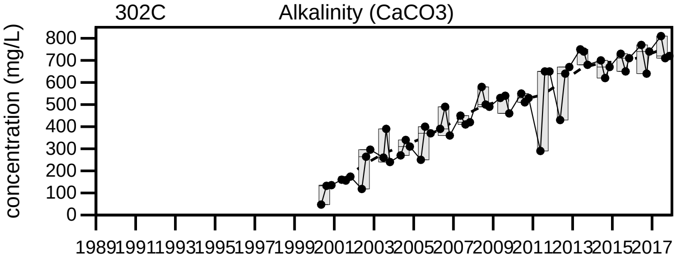
302C Ca-mg Hardness (CaCO3)



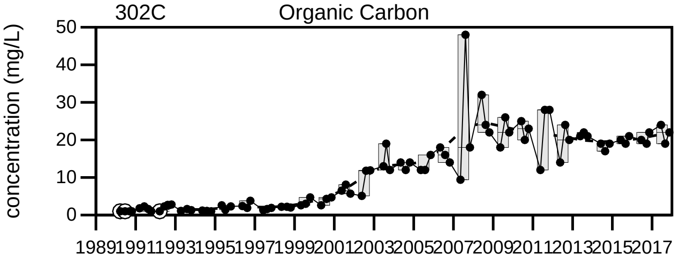
302C Bicarbonate (CaCO3)



302C Alkalinity (CaCO3)



302C Organic Carbon



LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

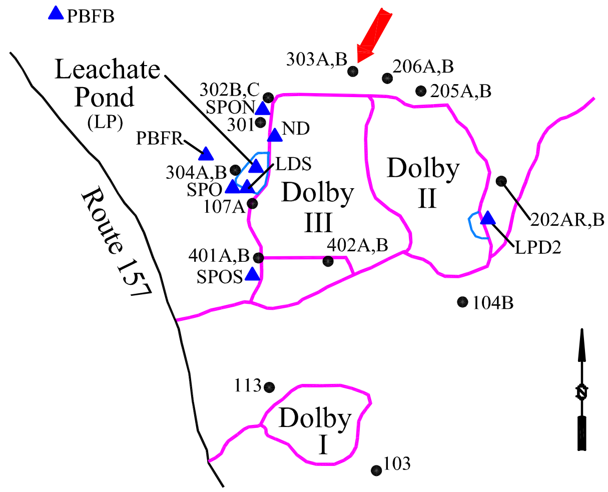
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min	Max	Mean	SE	n
Total Dissolved Solids (mg/L)		420	380	510	300	to 1537	730	± 41	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to 7	2.4	± 0.25	51
Specific Conductance (µmhos/cm @25°C)		656	1143	1028	559	to 2650	1300	± 50	81
pH (STU)		6.5	6.9	6.7	6	to 7.19	6.6	± 0.022	81
Dissolved Oxygen (mg/L)		0.1	0.2	0.9	0.1	to 4.9	0.72	± 0.1	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.022	0.0062	± 0.000	49
Iron (mg/L)		0.1 U	0.637	0.554	0.01 U	to 2.3	0.33	± 0.04	81
Calcium (mg/L)		47.7	49.9	75.2	42.1	to 180	96	± 5.5	45
Magnesium (mg/L)		45	40	66.4	36.5	to 190	86	± 5.6	45
Manganese (mg/L)		<u>**7.41**</u>	<u>**6.72**</u>	<u>**11.8**</u>	6	to 21	12	± 0.42	51
Potassium (mg/L)		27.9	27.6	35.6	23	to 71	42	± 1.7	51
Sodium (mg/L)		10.9	9.95	14.7	8.37	to 56	30	± 1.4	81
Ammonia (N) (mg/L)		5.3	5.1	6.3	0.1 U	to 24	6.4	± 0.49	81
Nitrate (N) (mg/L)		1.2	0.76	0.05 U	0.05 U	to 8	2.1	± 0.26	51
Sulfate (mg/L)		13	13	11	10	to 43	17	± 0.74	81
Ca-mg Hardness (CaCO3) (mg/L)		304	289	461	255	to 1274.3	660	± 32	63
Bicarbonate (CaCO3) (mg/L)		370	360	510	180	to 1470	660	± 38	51
Alkalinity (CaCO3) (mg/L)		370	360	510	200	to 1470	690	± 39	51
Organic Carbon (mg/L)		4.5	3.9	7.2	2.9	to 158.5	14	± 1.8	81
Chloride (mg/L)		7.7	7.8	17	5.8	to 127	45	± 3.3	81

<u>**underlined/bold**</u> - 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

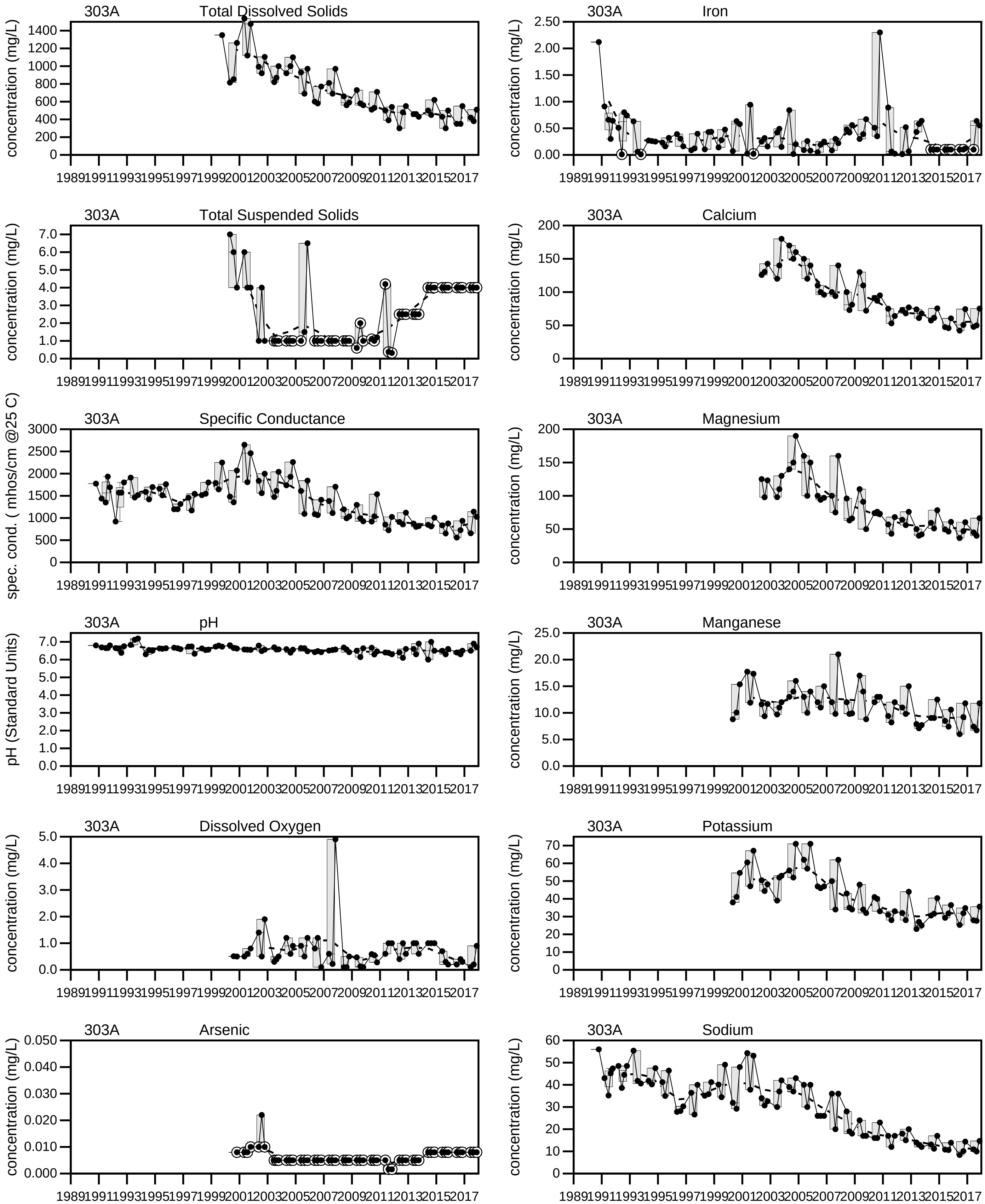
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

SME Sevee & Maher Engineers, Inc.



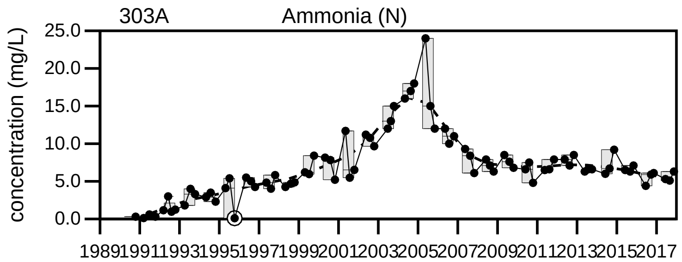
LEGEND

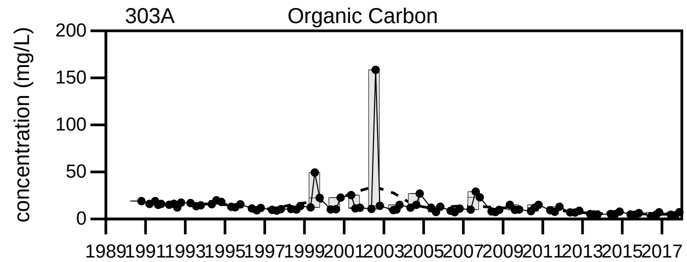
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

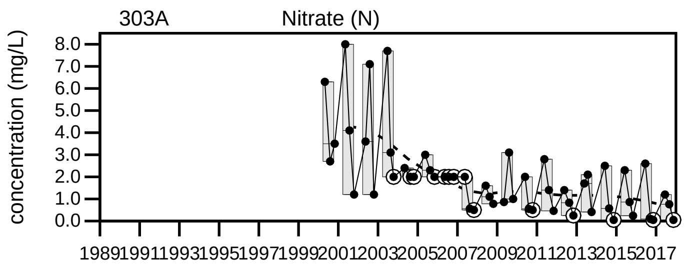
Dolby Landfill

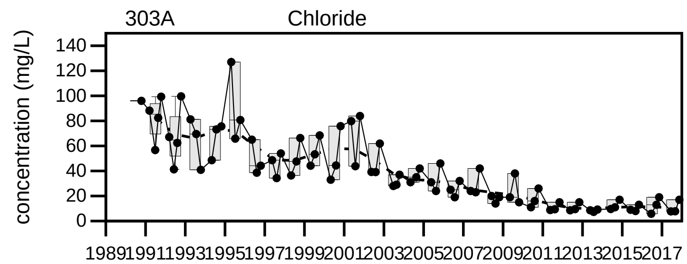
303A

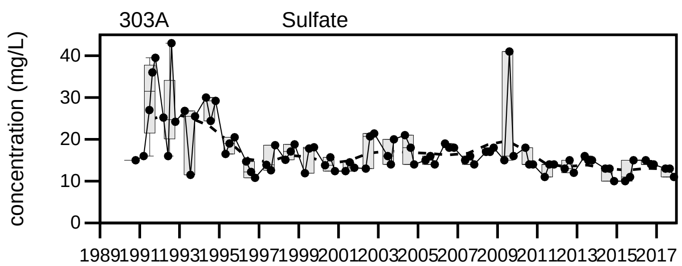
Sevee & Maher Engineers, Inc.

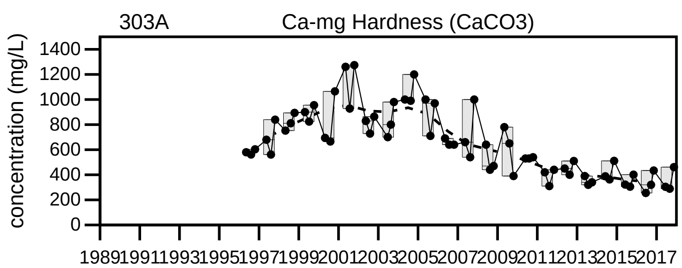


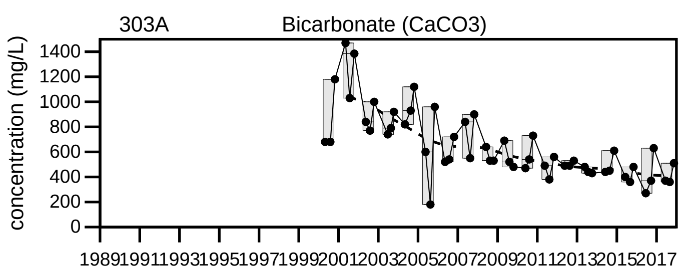


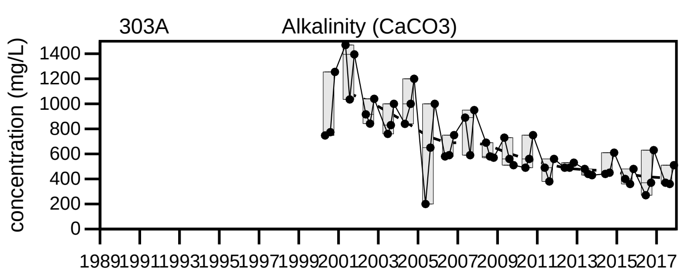












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

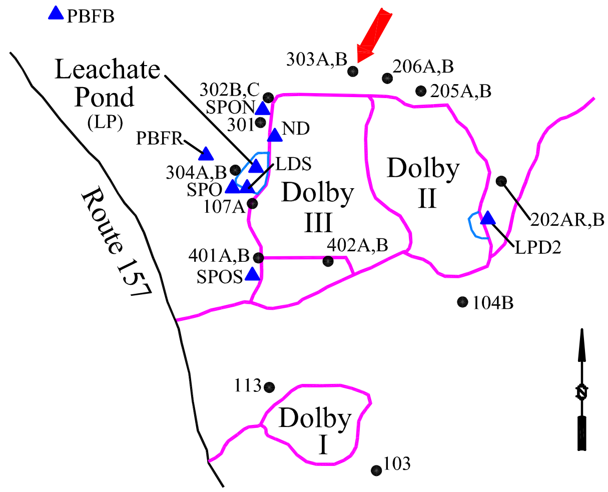
Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		↓ 100	300	610	120	to	1605	630	±	49	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to	35	2.8	±	0.68	51
Specific Conductance (μmhos/cm @25°C)		413	491	1023	383	to	2630	1200	±	60	80
pH (STU)		6.4	6.4	6.4	5.9	to	7.02	6.5	±	0.022	80
Dissolved Oxygen (mg/L)		0.2	0.5	0.9	0.1	to	2	0.76	±	0.057	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.021	0.0062	±	0.000	49
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.0039	to	0.182	0.031	±	0.004	80
Calcium (mg/L)		32.1	37.7	90.9	24.6	to	150	69	±	5	45
Magnesium (mg/L)		27	30.6	79.3	10 U	to	190	75	±	6.9	45
Manganese (mg/L)		<u>**4.3**</u>	<u>**5.36**</u>	<u>**7.99**</u>	4.07	to	28.06	10	±	0.63	51
Potassium (mg/L)		19.5	21.9	33.8	17.5	to	69.3	36	±	1.9	51
Sodium (mg/L)		6.59	6.8	19.3	4.96	to	63.9	28	±	1.7	80
Ammonia (N) (mg/L)		3.2	2.7	5	0.2	to	20 U	5.4	±	0.38	80
Nitrate (N) (mg/L)		2	3	0.98	0.35	to	13	3.6	±	0.39	51
Sulfate (mg/L)		12	13	6.2	3.9	to	35	12	±	0.51	80
Ca-mg Hardness (CaCO3) (mg/L)		191	220	554	157	to	1392.2	560	±	40	63
Bicarbonate (CaCO3) (mg/L)		210	240	640	170	to	1514	560	±	43	51
Alkalinity (CaCO3) (mg/L)		210	240	640	170	to	1545.3	590	±	46	51
Organic Carbon (mg/L)		3.3	3.4	9	1 U	to	37	12	±	0.79	80
Chloride (mg/L)		4.2	8.4	18	4	to	134	42	±	3.7	80

<u>**underlined/bold**</u> - values exceed a regulatory standard listed below.

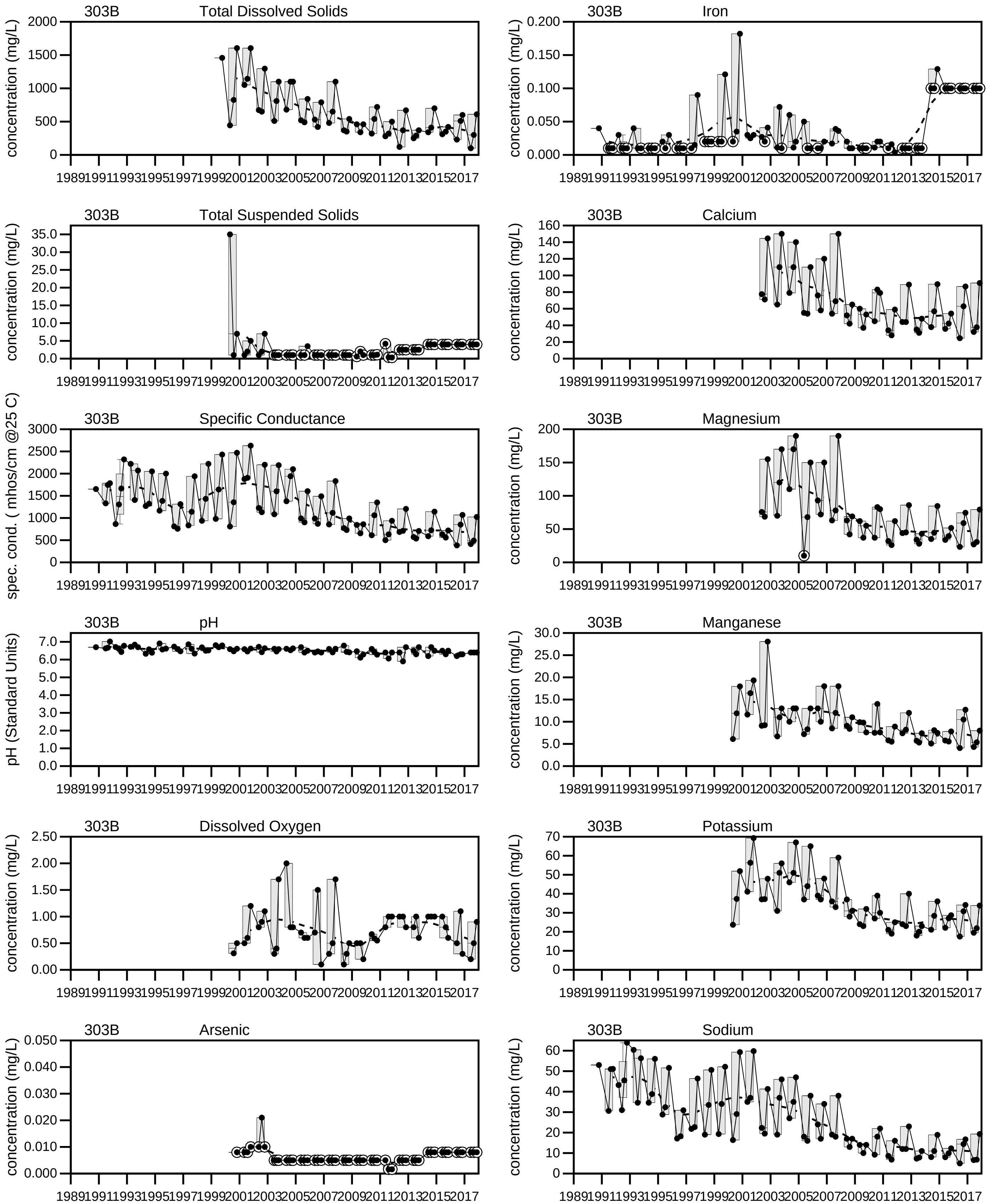
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.



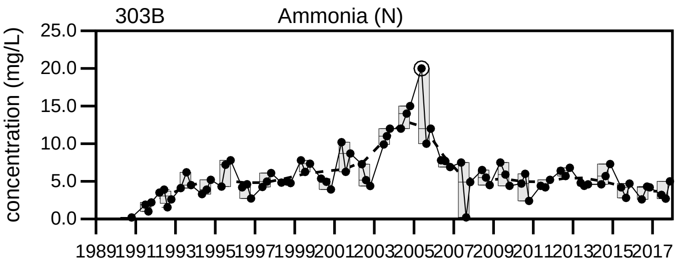
LEGEND

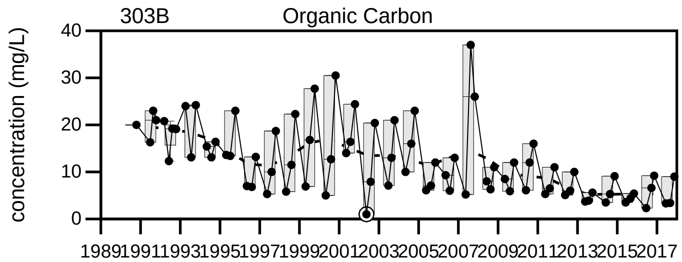
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

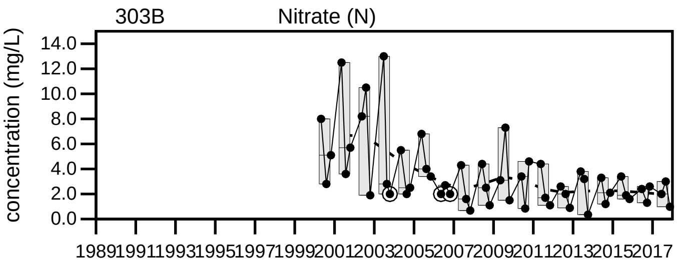
Dolby Landfill

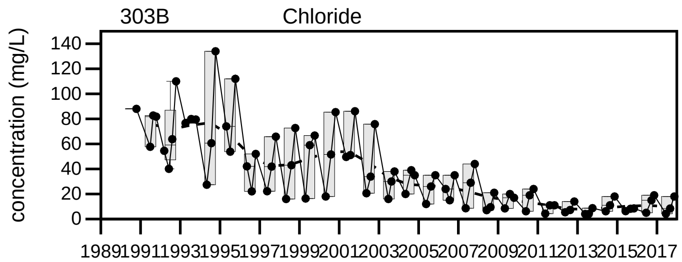
303B

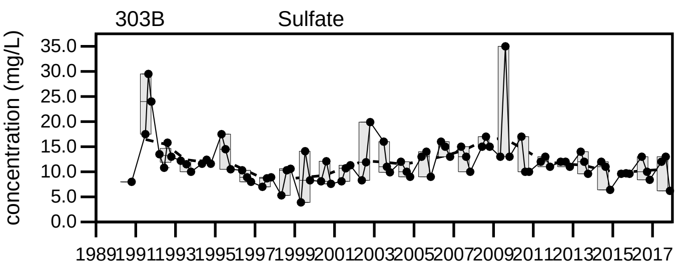
Sevee & Maher Engineers, Inc.

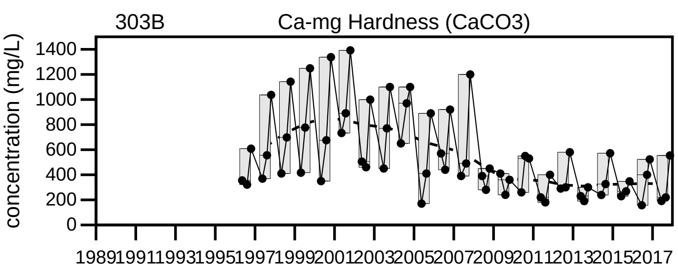


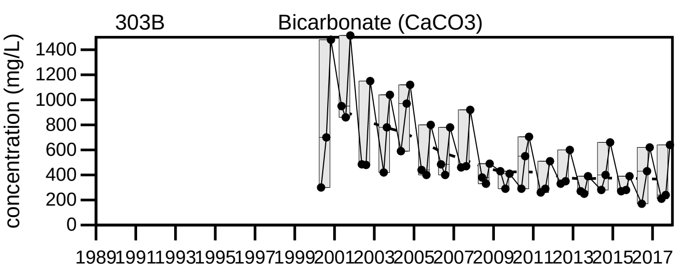


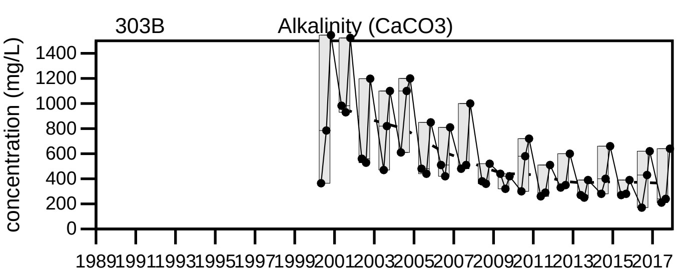












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

303B

Sevee & Maher Engineers, Inc.

304A

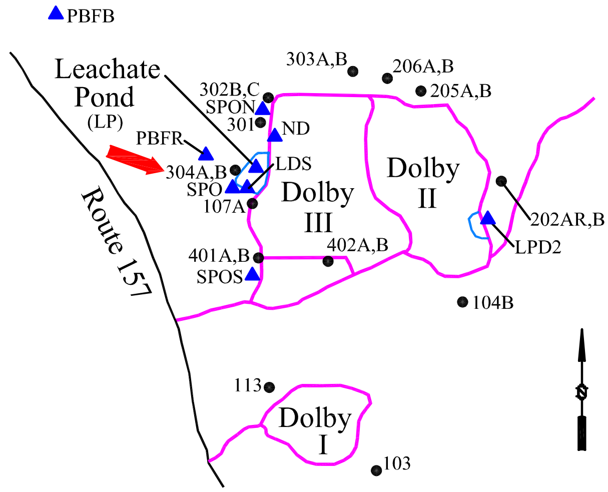
304A

Dolby Landfill

2017 Groundwater Stats

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

	2017				Historical (1/1/1990 - 12/31/2017)						
Indicator Parameters	Q1	Q2	Q3	Q4	Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		140	160	150	130	to	320	200	±	6.3	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to	23	2.7	±	0.51	51
Specific Conductance (µmhos/cm @25°C)		247	248	243	231	to	515	350	±	8.3	81
pH (STU)		7.9	7.8	7.2	6.6	to	8.8	7.6	±	0.04	82
Dissolved Oxygen (mg/L)		1.6	2.6	2	0.2	to	6.1	1.4	±	0.15	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.01 U	0.006	±	0.000	49
Iron (mg/L)		0.1 U	0.205	0.156	0.0054	to	2.1	0.065	±	0.024	81
Calcium (mg/L)		36	33.4	31.5	28	to	93	50	±	2.6	45
Magnesium (mg/L)		7.62	6.76	6.24	5	to	13	8.4	±	0.26	45
Manganese (mg/L)		0.0083	0.0186	0.0139	0.005 U	to	0.24	0.033	±	0.007	51
Potassium (mg/L)		1.17	1.06	1.1	0.89	to	2.4	1.5	±	0.051	51
Sodium (mg/L)		11.5	11	10.3	7	to	22.7	13	±	0.39	78
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to	0.5 U	0.14	±	0.007	81
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2 U	0.84	±	0.1	51
Sulfate (mg/L)		14	12	12	5.6	to	22.5	15	±	0.68	81
Ca-mg Hardness (CaCO3) (mg/L)		121	111	104	40	to	270	150	±	5	81
Bicarbonate (CaCO3) (mg/L)		180	120	120	110	to	205	150	±	3.8	51
Alkalinity (CaCO3) (mg/L)		180	120	120	110	to	220	160	±	4.6	51
Organic Carbon (mg/L)		1 U	1 U	1 U	0.58	to	7.6	1.9	±	0.22	81
Chloride (mg/L)		3.4	3.5	3.8	2.5	to	80.3	16	±	1.5	81

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= June 2017 Q3= August 2017 Q4= November 2017

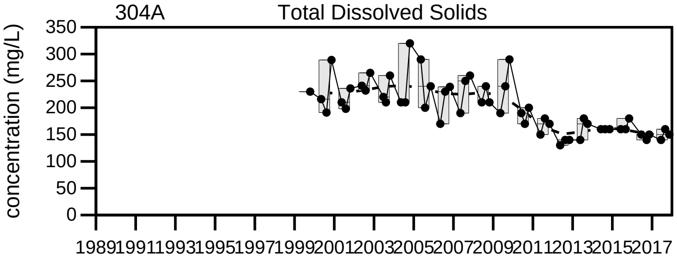
U= Not Detected above the reported sample detection limit.

Data Group: 179

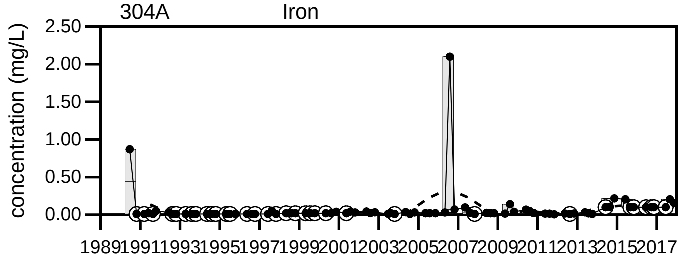
Printed: 1/18/2018 09:51

SME Sevee & Maher Engineers, Inc.

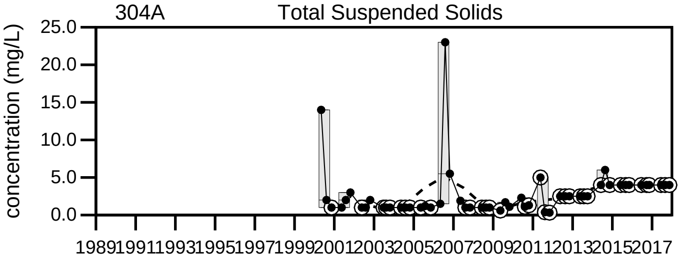
304A Total Dissolved Solids



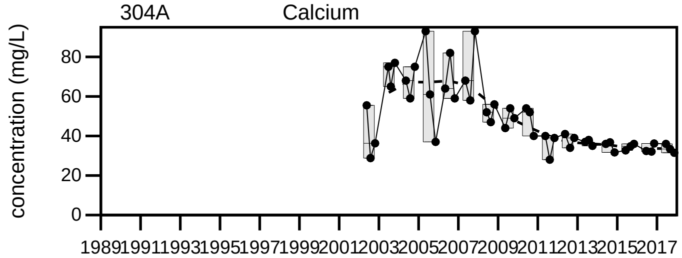
304A Iron



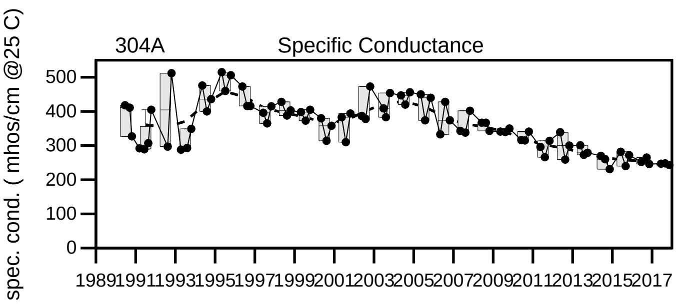
304A Total Suspended Solids



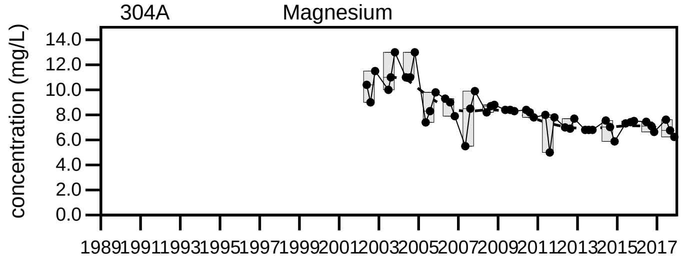
304A Calcium



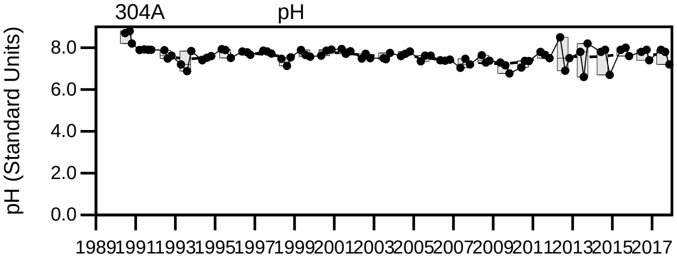
304A Specific Conductance



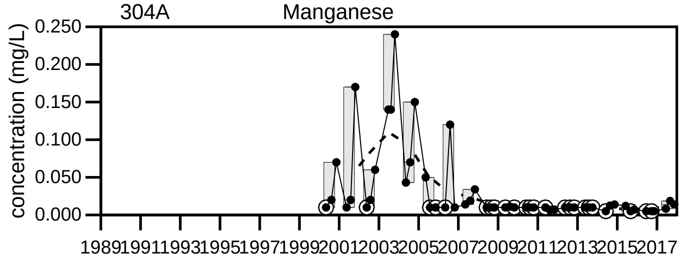
304A Magnesium



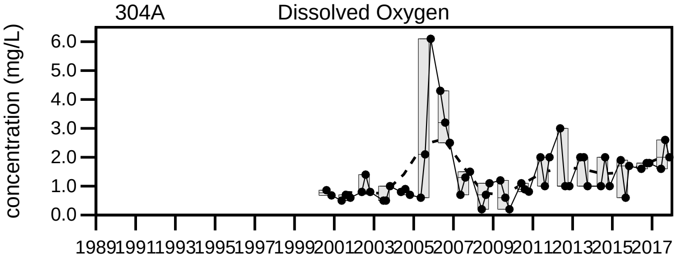
304A pH



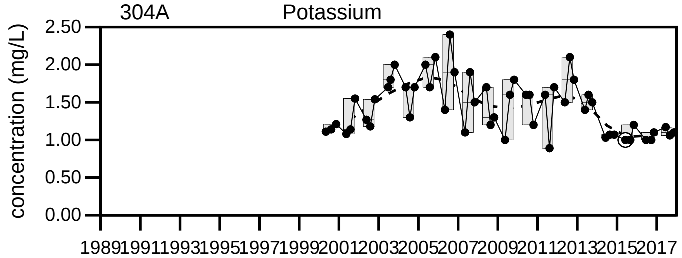
304A Manganese



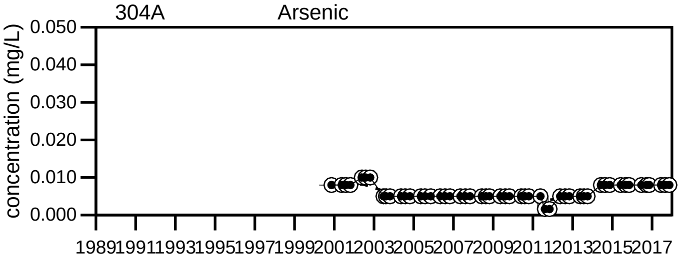
304A Dissolved Oxygen



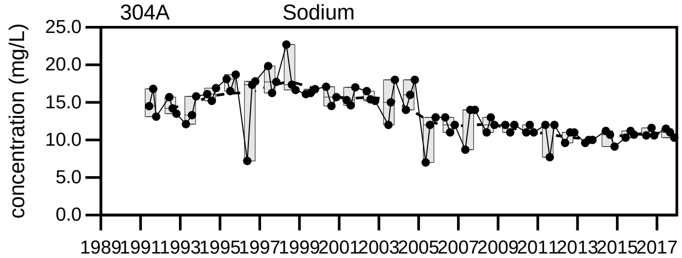
304A Potassium



304A Arsenic



304A Sodium



LEGEND

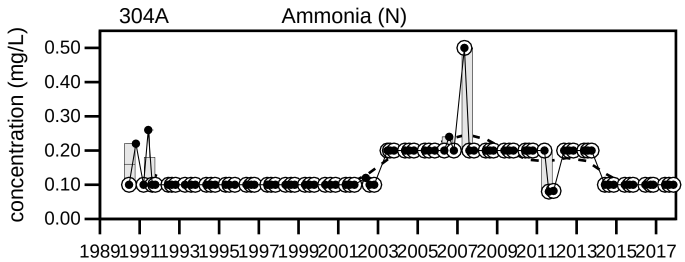
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

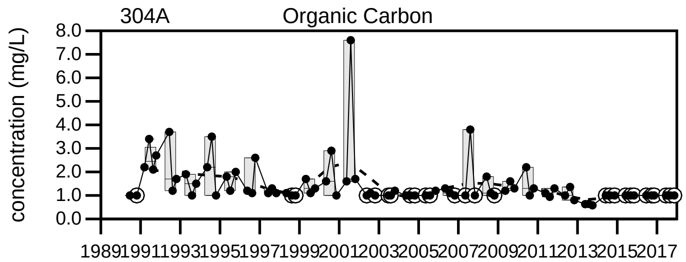
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

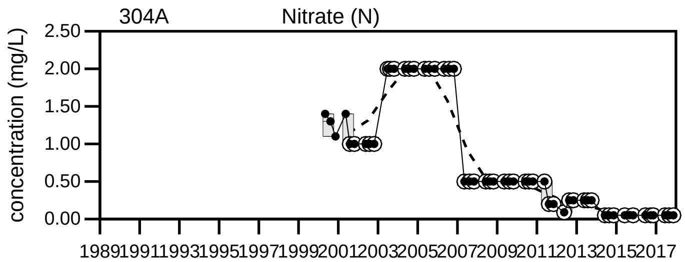
Dolby Landfill

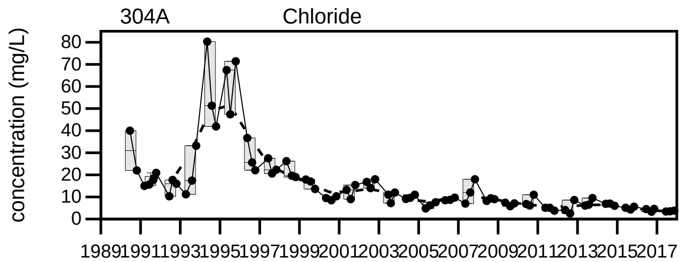
304A

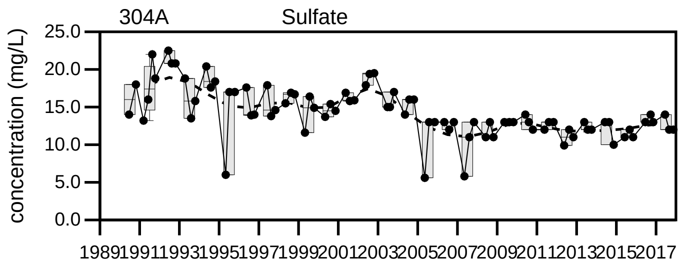
Sevee & Maher Engineers, Inc.

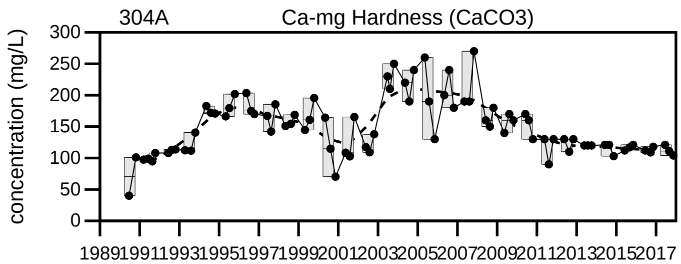


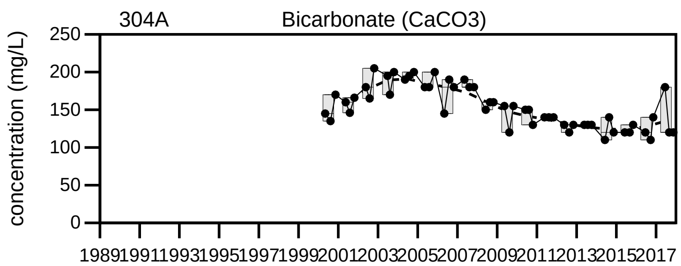


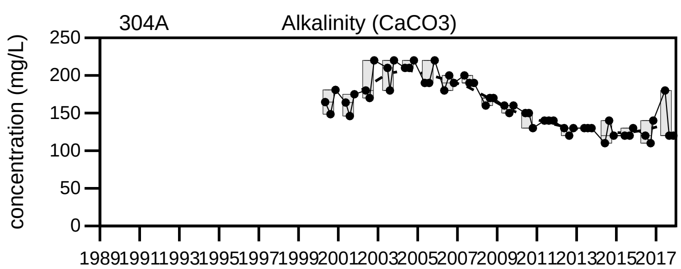












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

304A

Sevee & Maher Engineers, Inc.

304B

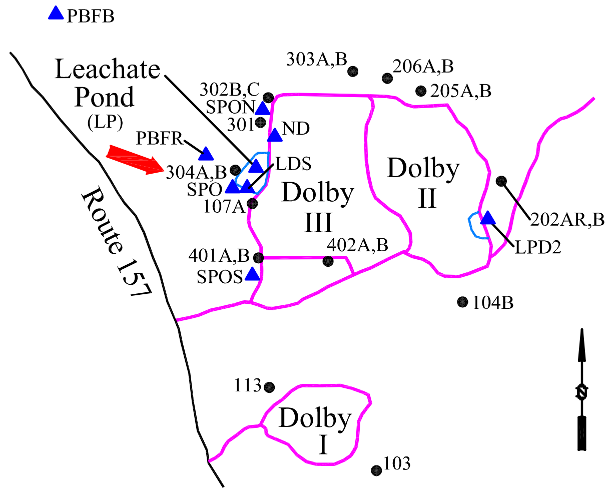
Dolby Landfill

304B

2017 Groundwater Stats

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		72	71	75	13	to	204	100	±	6.3	51
Total Suspended Solids (mg/L)		4 U	14	4 U	0.32 U	to	86	4.8	±	1.8	50
Specific Conductance (µmhos/cm @25°C)		108	82	110	44	to	800	210	±	14	80
pH (STU)		6.7	6.9	6.7	5.46	to	7.5	6.6	±	0.036	81
Dissolved Oxygen (mg/L)		8.3	7	4	1.7	to	9.1	4.8	±	0.22	49
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.01 U	0.0059	±	0.000	48
Iron (mg/L)		0.1 U	0.202	0.103	0.01 U	to	0.658	0.079	±	0.012	81
Calcium (mg/L)		12.6	9.5	13.1	6.78	to	43	20	±	1.4	45
Magnesium (mg/L)		1.4	1	1.26	0.8	to	5	2.2	±	0.17	45
Manganese (mg/L)		0.0295	0.0647	0.0242	0.005 U	to	0.15	0.022	±	0.004	50
Potassium (mg/L)		1 U	1 U	1 U	0.44	to	1.9	1	±	0.027	50
Sodium (mg/L)		9.68	7.31	8.1	1.4	to	41.1	11	±	0.85	77
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to	0.67	0.14	±	0.008	81
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2 U	0.81	±	0.1	50
Sulfate (mg/L)		4.7	↓ 1.8	2.7	2	to	39.5	9.3	±	0.67	80
Ca-mg Hardness (CaCO3) (mg/L)		37.1	27.8	37.8	19	to	279.8	73	±	4.8	81
Bicarbonate (CaCO3) (mg/L)		48	38	48	22	to	120	55	±	3.4	50
Alkalinity (CaCO3) (mg/L)		48	38	48	24.2	to	122	56	±	3.6	50
Organic Carbon (mg/L)		1 U	1 U	1 U	0.69	to	13.1	2.3	±	0.27	81
Chloride (mg/L)		3.4	2.9	3.9	1 U	to	363	25	±	4.2	81

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

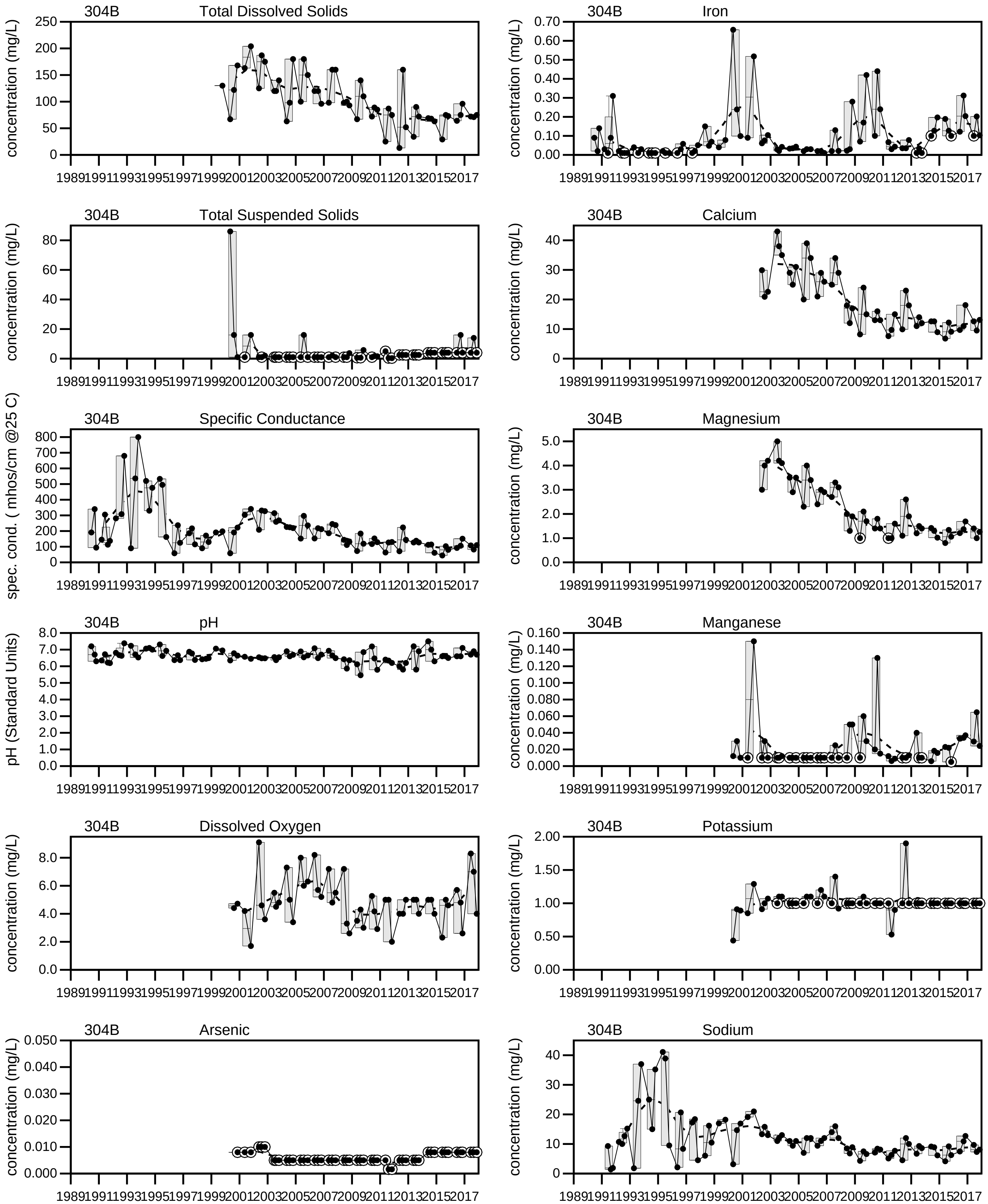
Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

Data Group: 179

Printed: 1/18/2018 09:51

SME Sevee & Maher Engineers, Inc.



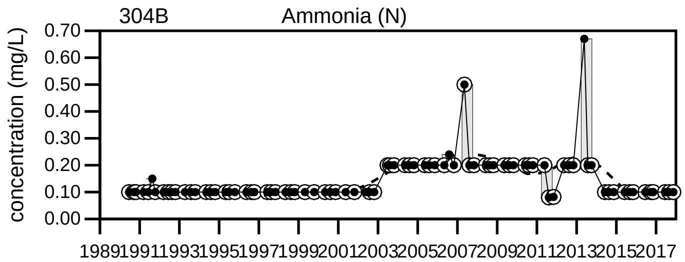
LEGEND

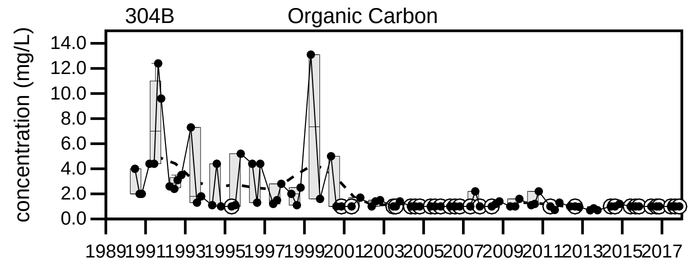
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

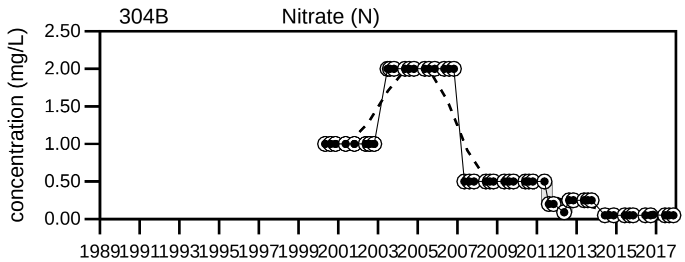
Dolby Landfill

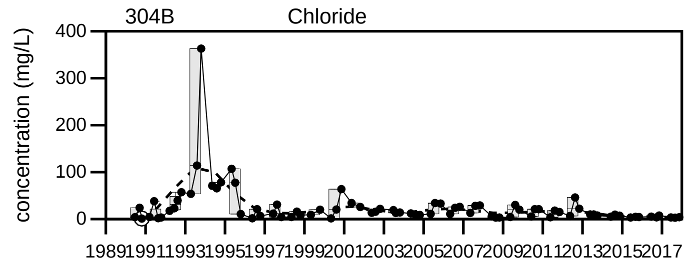
304B

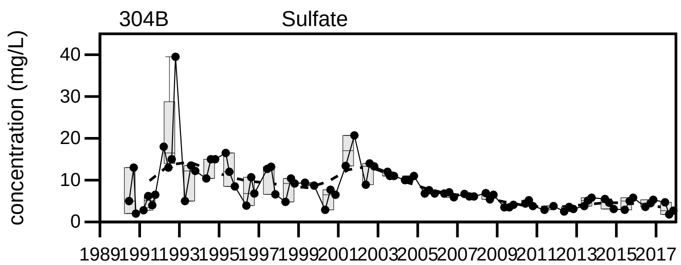
Sevee & Maher Engineers, Inc.

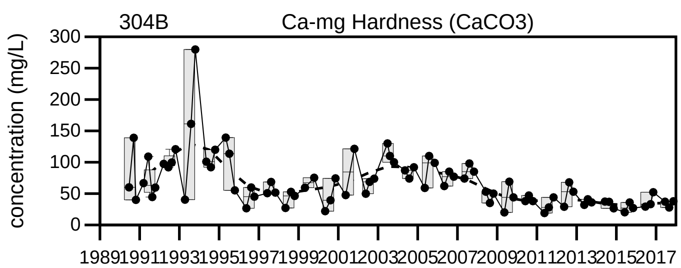


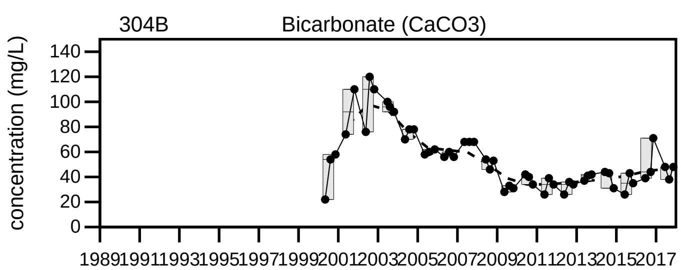


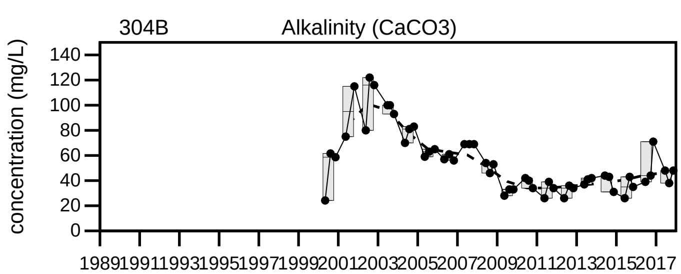












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

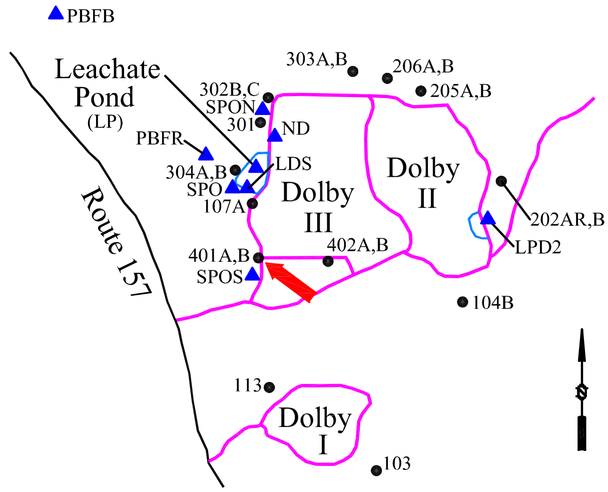
Dolby Landfill

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

	2017				Historical (1/1/1990 - 12/31/2017)			
Indicator Parameters	Q1	Q2	Q3	Q4	Min Max	Mean SE		n
Total Dissolved Solids (mg/L)		150	180	160	2 to 200	140 ± 4.2		52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U to 15	2.4 ± 0.36		51
Specific Conductance (µmhos/cm @25°C)		258	276	263	180 to 365	230 ± 4.3		82
pH (STU)		8	7.9	7.7	6.4 to 8.4	7.8 ± 0.037		83
Dissolved Oxygen (mg/L)		5.5	4.2	3.7	0.67 to 7.4	3.9 ± 0.25		50
Arsenic (mg/L)		<u>**0.159**</u>	<u>**0.158**</u>	<u>**0.138**</u>	0.08 to 0.29	0.17 ± 0.005		49
Iron (mg/L)		0.164	0.1 U	0.1 U	0.01 U to 0.359	0.044 ± 0.008		83
Calcium (mg/L)		35.8	36.3	35.5	14.9 to 42	32 ± 0.86		45
Magnesium (mg/L)		7.24	7.11	6.47	4.2 to 7.61	6.1 ± 0.11		45
Manganese (mg/L)		0.0073	0.0089	0.0099	0.0002 to 0.08	0.011 ± 0.001		51
Potassium (mg/L)		1.76	1.68	1.6	1.1 to 2.4	1.7 ± 0.043		51
Sodium (mg/L)		10.5	10.7	9.87	6.6 to 12	9.4 ± 0.11		79
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U to 0.5 U	0.14 ± 0.007		83
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U to 2 U	0.83 ± 0.1		51
Sulfate (mg/L)		25	24	23	3 to 25	12 ± 0.72		83
Ca-mg Hardness (CaCO3) (mg/L)		119	120	115	49.8 to 130	91 ± 2.2		83
Bicarbonate (CaCO3) (mg/L)		↓12	100	93	74 to 110	94 ± 1		51
Alkalinity (CaCO3) (mg/L)		↓12	100	93	76 to 110	96 ± 0.98		51
Organic Carbon (mg/L)		1 U	1 U	1 U	0.53 to 12	1.4 ± 0.14		83
Chloride (mg/L)		10	11	9.9	1 U to 14	5.4 ± 0.36		83

<u>**underlined/bold**</u> - 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

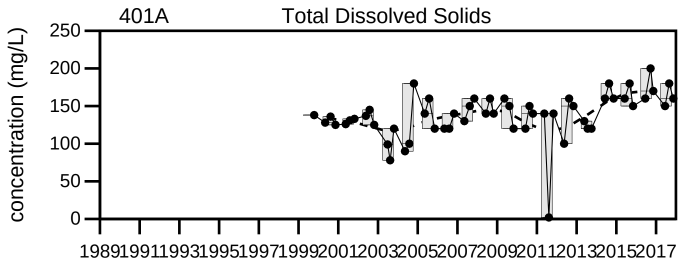
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

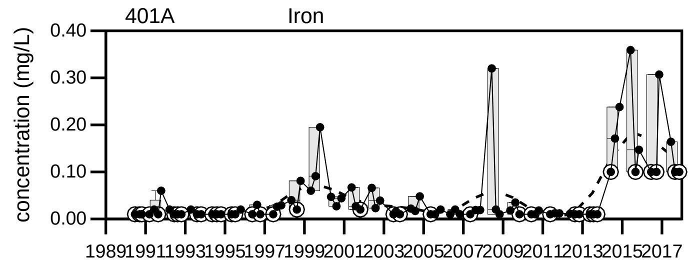
Comments

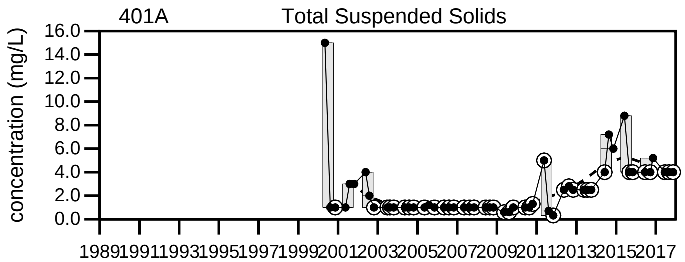
Q2= June 2017 Q3= August 2017 Q4= November 2017

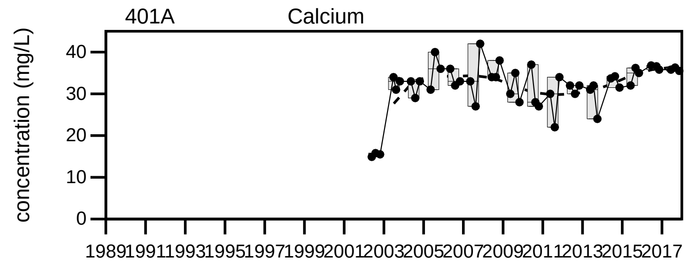
U= Not Detected above the reported sample detection limit.

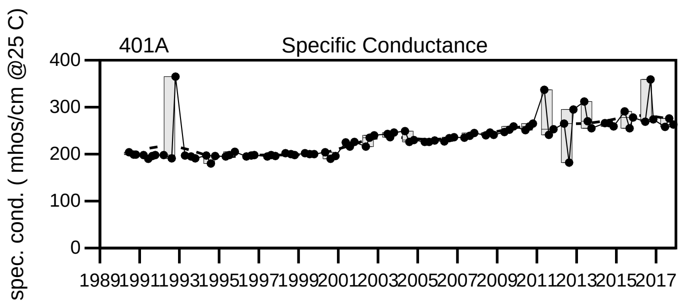
SME Sevee & Maher Engineers, Inc.

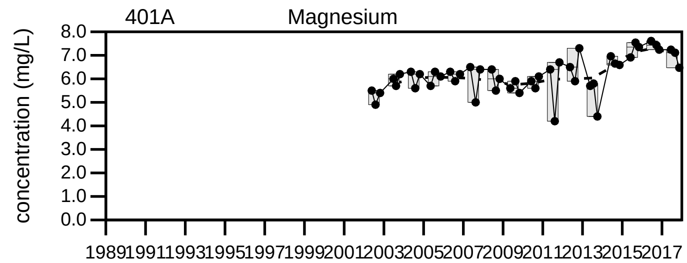


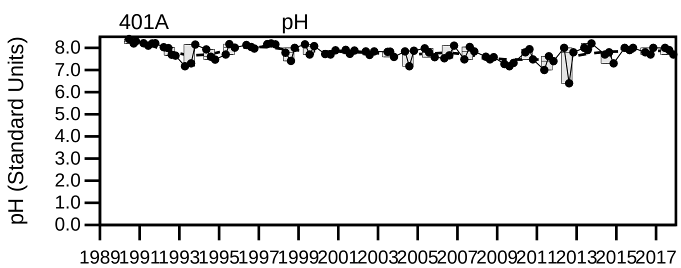


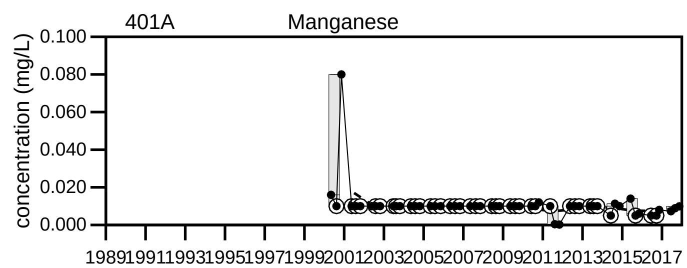


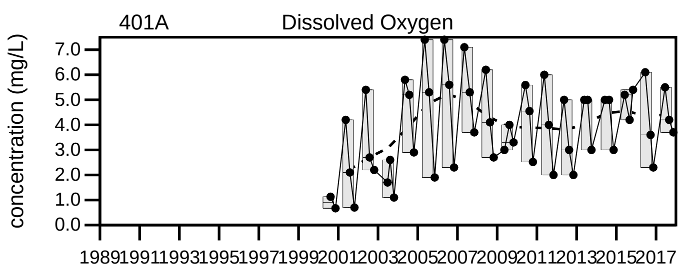


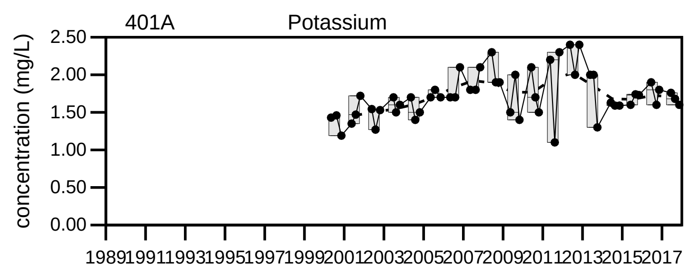


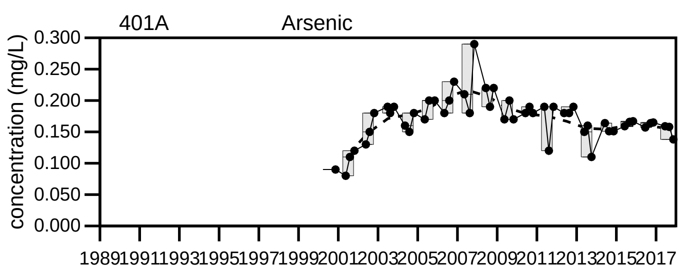


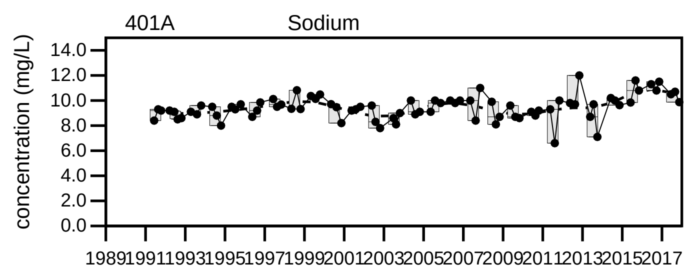


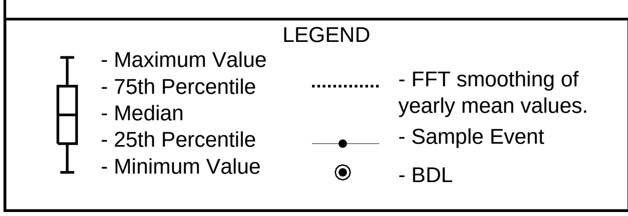








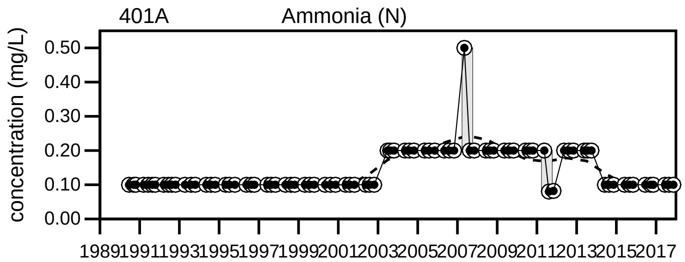


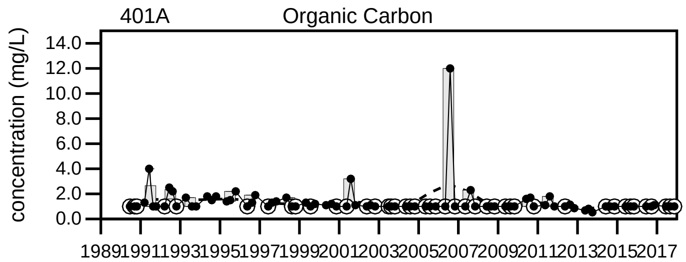


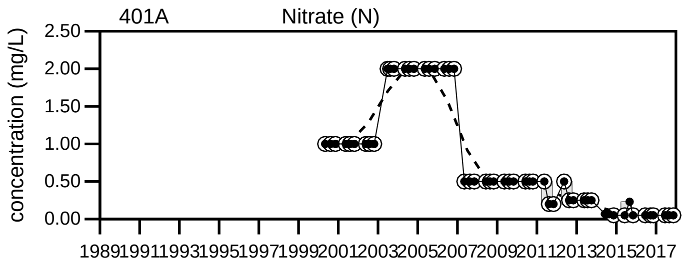
Dolby Landfill

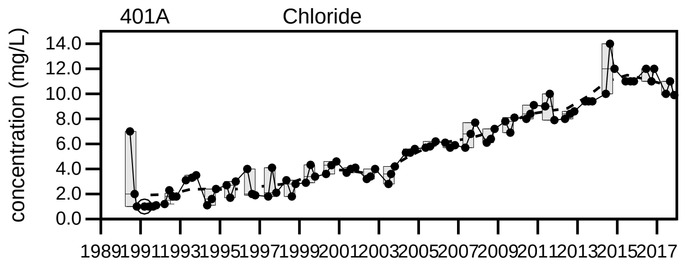
401A

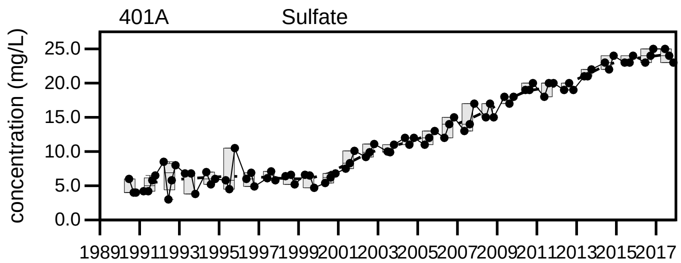
Sevee & Maher Engineers, Inc.

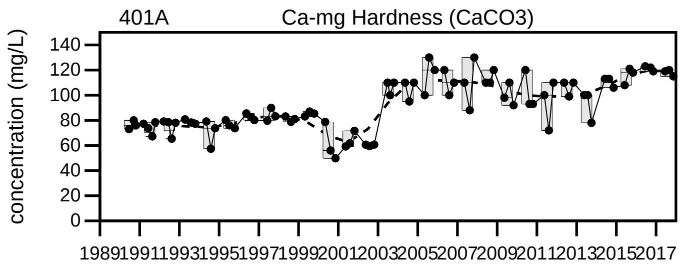


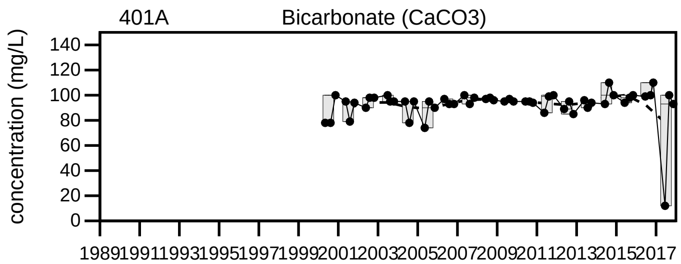


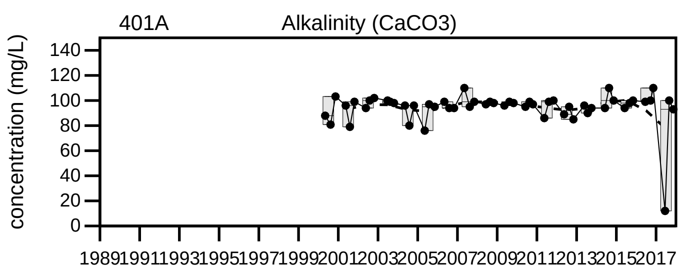












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

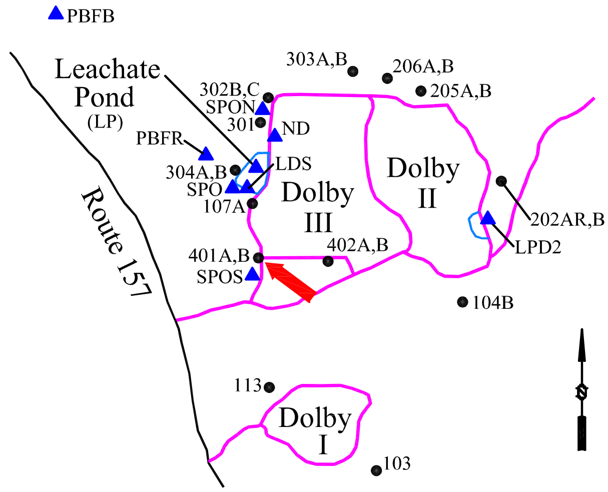
Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		200	240	230	150	to	352	220	±	4.3	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to	30	3.3	±	0.8	51
Specific Conductance (µmhos/cm @25°C)		373	392	380	138	to	438	320	±	7.3	82
pH (STU)		8	7.9	7.8	6.3	to	8.26	7.9	±	0.032	83
Dissolved Oxygen (mg/L)		0.8	0.3	↑ 5.6	0.1	to	2	0.67	±	0.069	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.015	0.0061	±	0.000	49
Iron (mg/L)		0.1 U	0.1 U	0.138	0.005	to	0.731	0.057	±	0.013	83
Calcium (mg/L)		63.1	58.7	58.3	23.6	to	70	52	±	1.3	45
Magnesium (mg/L)		↑ 9.68	8.83	8.37	6.2	to	9.37	7.5	±	0.12	45
Manganese (mg/L)		0.24	**<u>0.366</u>**	**<u>0.534</u>**	0.01 U	to	0.54	0.29	±	0.019	51
Potassium (mg/L)		2	1.85	1.9	1.34	to	3.8	2	±	0.065	51
Sodium (mg/L)		14.7	14	13.5	8.2	to	17	13	±	0.24	79
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to	0.5 U	0.14	±	0.007	83
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2 U	0.84	±	0.1	51
Sulfate (mg/L)		20	17	17	3.8	to	35	21	±	1.1	83
Ca-mg Hardness (CaCO3) (mg/L)		197	183	180	73.8	to	210	130	±	4.1	83
Bicarbonate (CaCO3) (mg/L)		190	200	200	83	to	200	130	±	4.3	51
Alkalinity (CaCO3) (mg/L)		190	200	200	92.9	to	200	140	±	4	51
Organic Carbon (mg/L)		1.2	1 U	1 U	0.99	to	4.8	1.4	±	0.075	83
Chloride (mg/L)		6	4.6	4.8	2	to	44	15	±	1	83

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

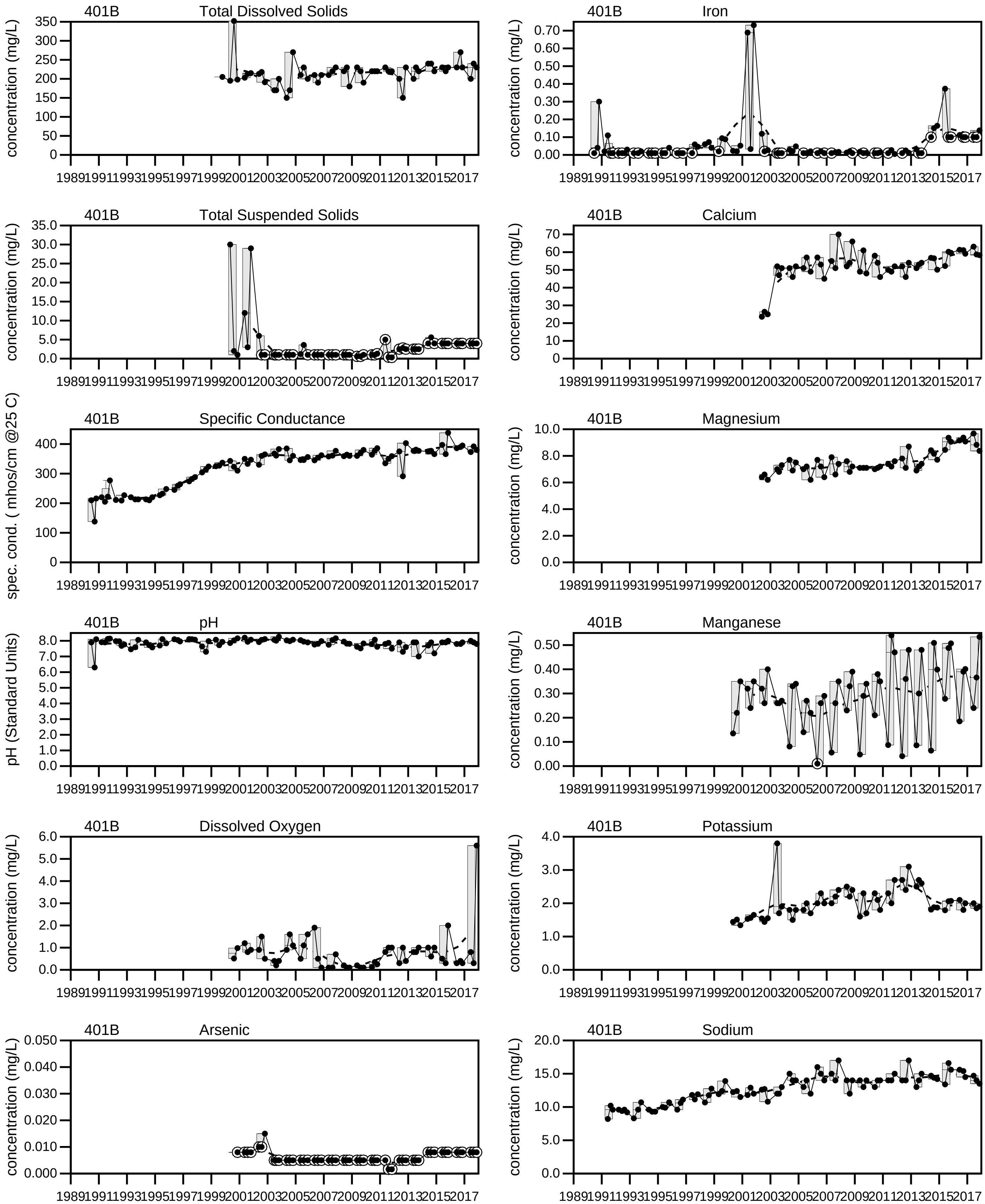
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.



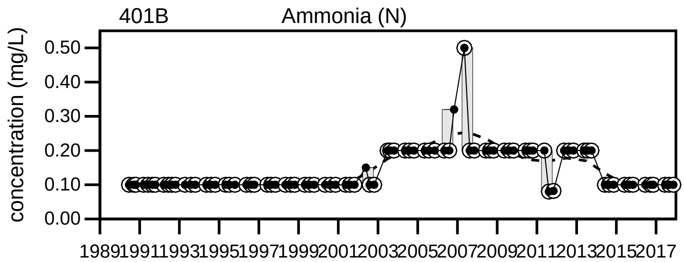
LEGEND

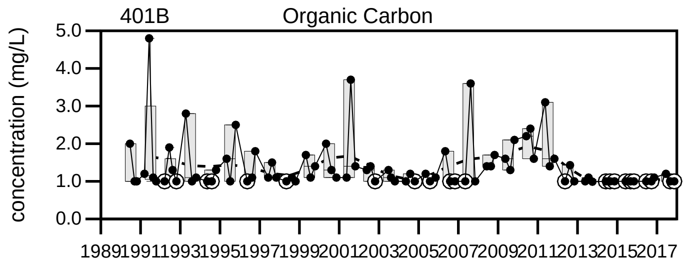
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

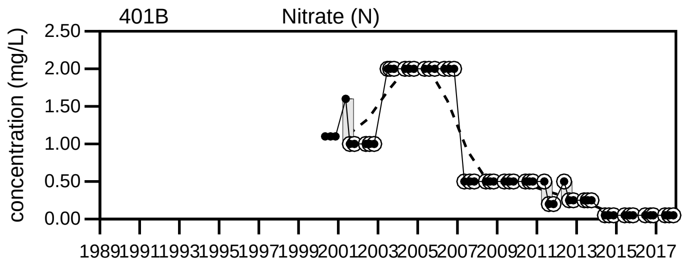
Dolby Landfill

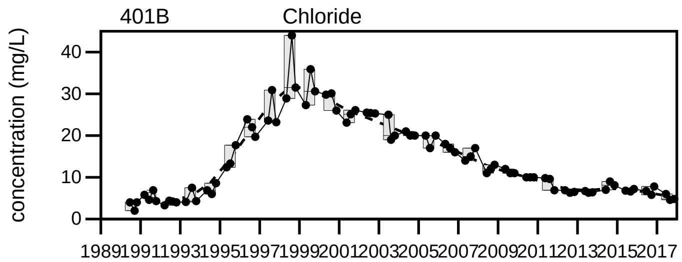
401B

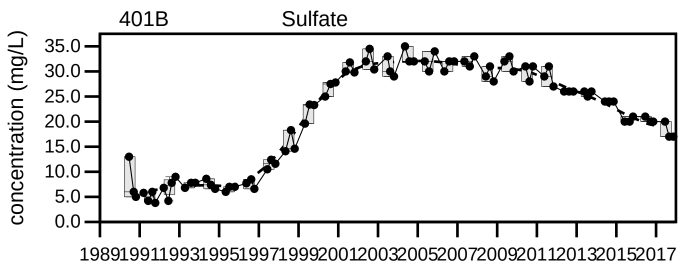
Sevee & Maher Engineers, Inc.

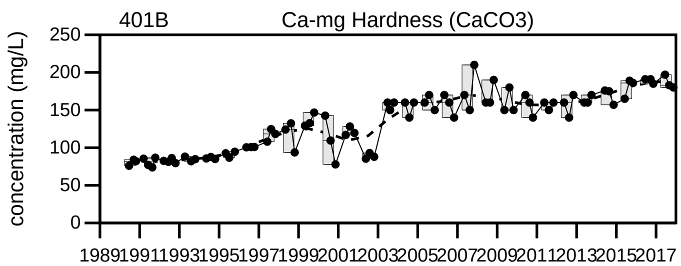


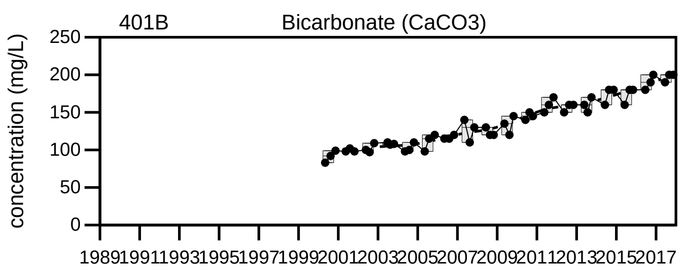


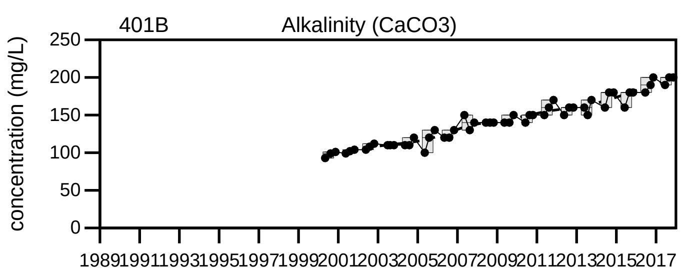












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

- FFT smoothing of yearly mean values.
- Sample Event
- BDL

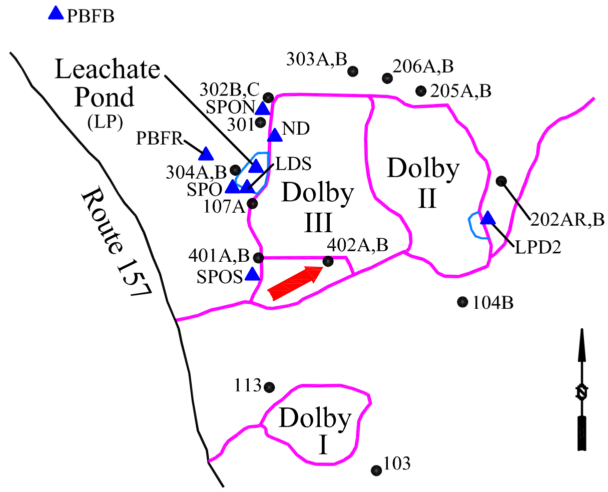
Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		180	200	180	81	to	220	150	±	5	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to	5 U	1.9	±	0.19	51
Specific Conductance (µmhos/cm @25°C)		343	379	343	98	to	386	250	±	5.9	81
pH (STU)		8	7.9	7.7	6.77	to	8.3	7.8	±	0.029	82
Dissolved Oxygen (mg/L)		0.3	2.5	1.5	0.3	to	5	1.4	±	0.16	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0035	to	0.019	0.0064	±	0.000	49
Iron (mg/L)		0.121	0.116	0.121	0.01 U	to	0.22	0.066	±	0.006	82
Calcium (mg/L)		46.1	47.8	46.6	14.3	to	50.7	34	±	1.1	45
Magnesium (mg/L)		12.5	12.7	12.5	5.6	to	13	8.9	±	0.26	45
Manganese (mg/L)		0.166	0.167	0.159	0.04	to	0.32	0.13	±	0.007	51
Potassium (mg/L)		1 U	1 U	1 U	0.53	to	1	0.91	±	0.023	51
Sodium (mg/L)		9.04	9.09	8.89	5.2	to	9.7	7.1	±	0.095	78
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to	0.5 U	0.15	±	0.008	82
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	2 U	0.83	±	0.1	51
Sulfate (mg/L)		13	6.8	6.4	5	to	14.8	8.9	±	0.21	82
Ca-mg Hardness (CaCO3) (mg/L)		166	172	168	36.2	to	180	110	±	3	82
Bicarbonate (CaCO3) (mg/L)		110	120	120	76	to	130	94	±	1.5	51
Alkalinity (CaCO3) (mg/L)		110	120	120	81	to	130	96	±	1.3	51
Organic Carbon (mg/L)		1.7	1.3	1.3	1 U	to	3.4	1.3	±	0.05	82
Chloride (mg/L)		36	38	33	1 U	to	40	14	±	1.4	82

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

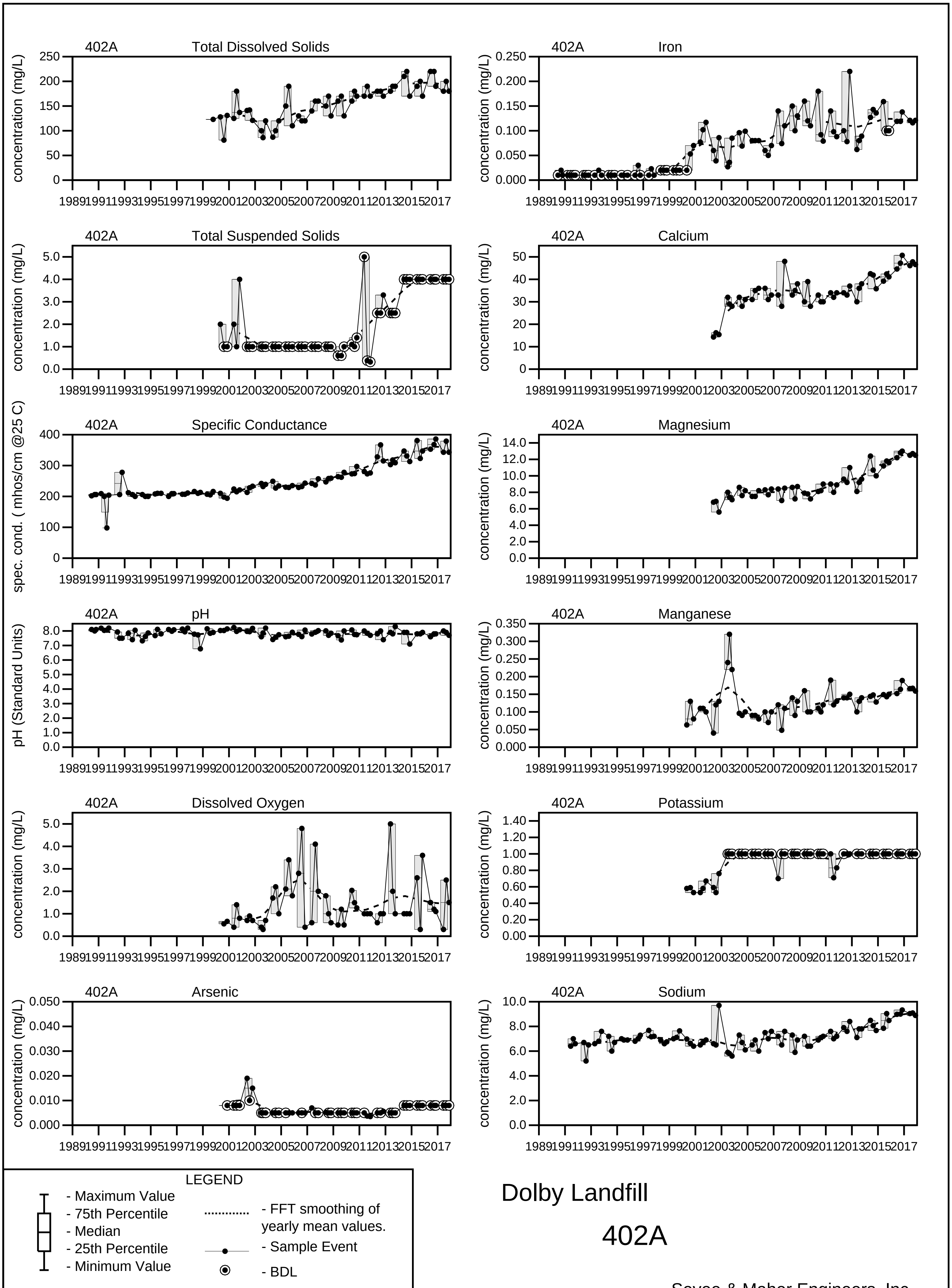
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

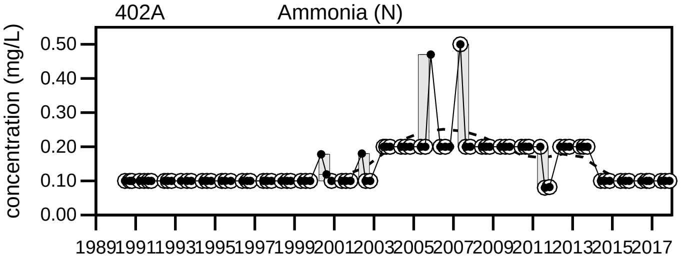
Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

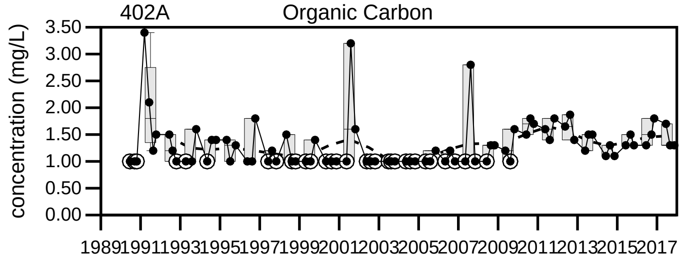
U= Not Detected above the reported sample detection limit.


402A Total Dissolved Solids
concentration (mg/L)
402A Iron
concentration (mg/L)
402A Total Suspended Solids
concentration (mg/L)
402A Calcium
concentration (mg/L)
402A Specific Conductance
spec. cond. (mhos/cm @25 C)
402A Magnesium
concentration (mg/L)
402A pH
pH (Standard Units)
402A Manganese
concentration (mg/L)
402A Dissolved Oxygen
concentration (mg/L)
402A Potassium
concentration (mg/L)
402A Arsenic
concentration (mg/L)
402A Sodium
concentration (mg/L)
1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017
LEGEND
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL
Dolby Landfill
402A
Sevee & Maher Engineers, Inc.

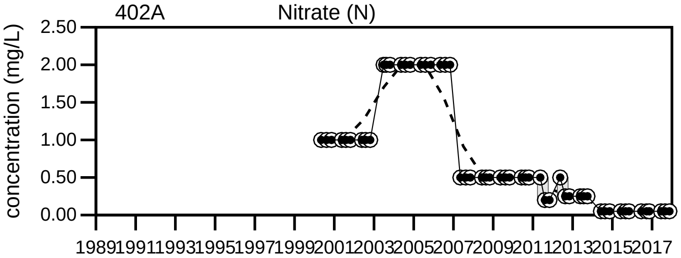
402A Ammonia (N)



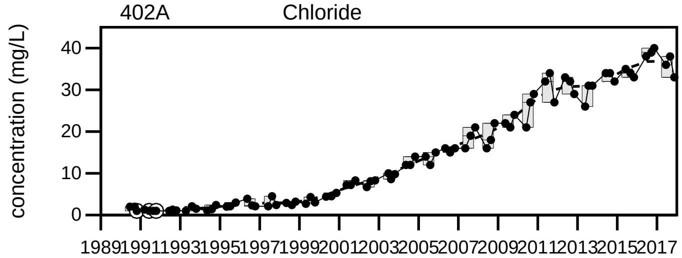
402A Organic Carbon



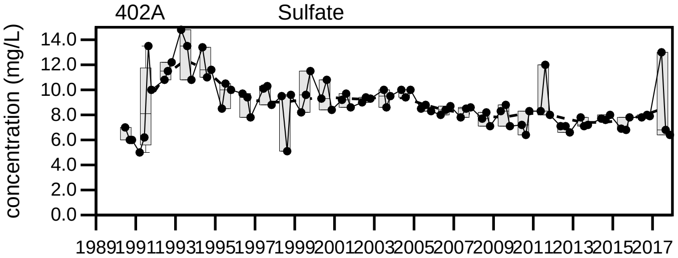
402A Nitrate (N)



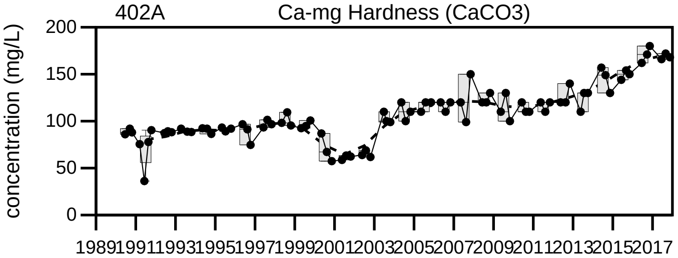
402A Chloride



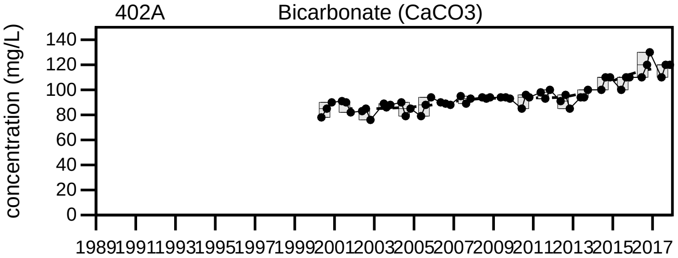
402A Sulfate



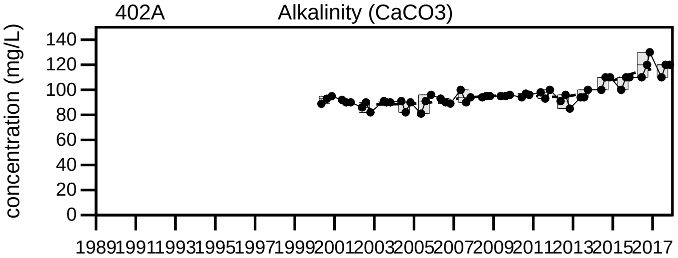
402A Ca-mg Hardness (CaCO3)



402A Bicarbonate (CaCO3)



402A Alkalinity (CaCO3)



LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

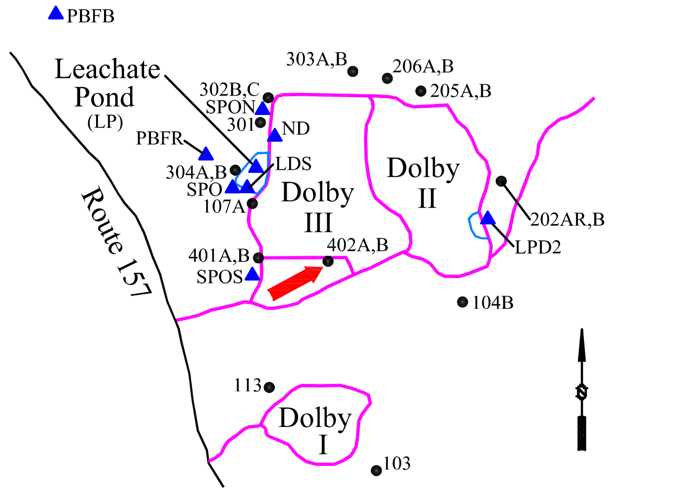
Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Total Dissolved Solids (mg/L)		640	640	630	170	to	1311	780	±	33	52
Total Suspended Solids (mg/L)		4 U	4 U	4 U	0.32 U	to	91	3.9	±	1.8	51
Specific Conductance (µmhos/cm @25°C)		1033	1070	1066	110	to	2180	1300	±	62	82
pH (STU)		6.9	6.9	6.9	6.12	to	7.98	6.8	±	0.029	83
Dissolved Oxygen (mg/L)		0.2	0.1	0.3	0.1	to	6.1	0.69	±	0.12	50
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to	0.044	0.0067	±	0.000	49
Iron (mg/L)		0.1 U	0.1 U	0.1 U	0.01 U	to	0.27	0.038	±	0.005	83
Calcium (mg/L)		135	126	125	110	to	266.8	160	±	5.6	45
Magnesium (mg/L)		75	65.1	68.6	38	to	100	73	±	1.8	45
Manganese (mg/L)		**<u>0.824</u>**	**<u>0.58</u>**	**<u>0.789</u>**	0.07	to	3	0.89	±	0.11	51
Potassium (mg/L)		9.28	10.4	10.9	3.43	to	35	11	±	1	51
Sodium (mg/L)		**<u>28.6</u>**	**<u>27.4</u>**	**<u>27.6</u>**	3.6	to	100.3	40	±	2.5	79
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1	0.08 U	to	4.6	0.2	±	0.054	83
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	3.8	1	±	0.13	51
Sulfate (mg/L)		8.5	3.8	3.9	1.5	to	30.9	8	±	0.42	83
Ca-mg Hardness (CaCO3) (mg/L)		646	582	596	42.2	to	1169.8	630	±	34	83
Bicarbonate (CaCO3) (mg/L)		620	620	650	140	to	1100	700	±	23	51
Alkalinity (CaCO3) (mg/L)		620	620	650	140	to	1148	730	±	25	51
Organic Carbon (mg/L)		4.9	4.5	4.6	1 U	to	211.2	13	±	2.5	83
Chloride (mg/L)		14	14	13	4.6	to	209	63	±	6.2	83

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

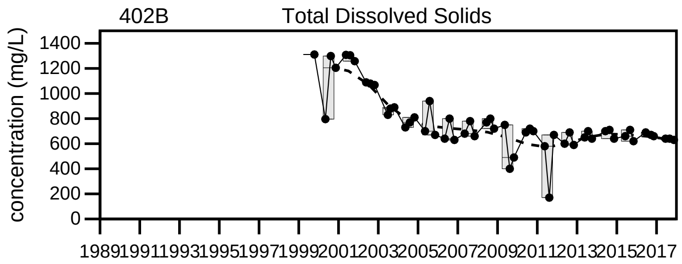
Applicable Limits:
Nitrate (N) MEG16=10 mg/L, MCL=10 mg/L, Ammonia (N) MEG16=30 mg/L, Sodium MEG16=20 mg/L, Manganese MEG16=0.3 mg/L, Iron MEG16=5 mg/L, Arsenic MEG16=0.01 mg/L, MCL=0.01 mg/L

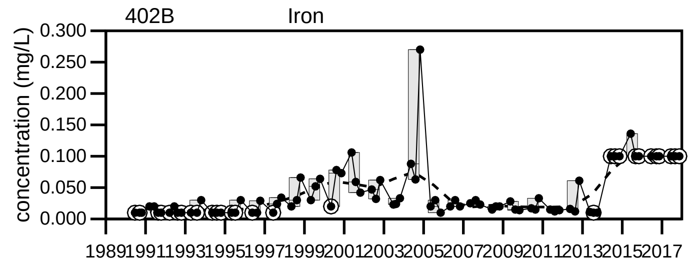
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

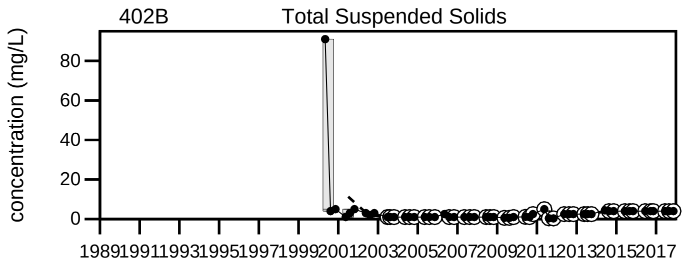
Comments

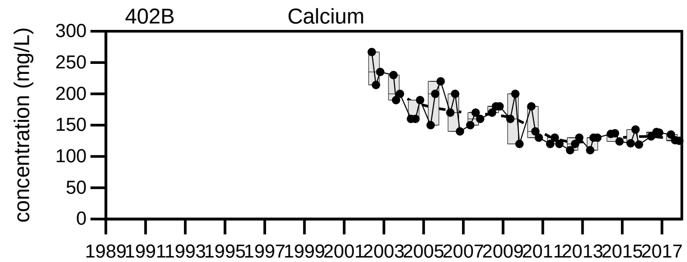
Q2= June 2017 Q3= August 2017 Q4= November 2017

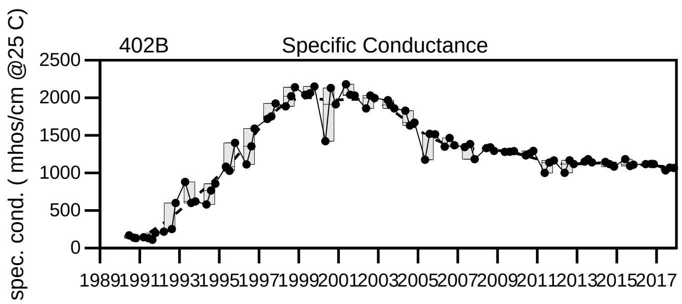
U= Not Detected above the reported sample detection limit.

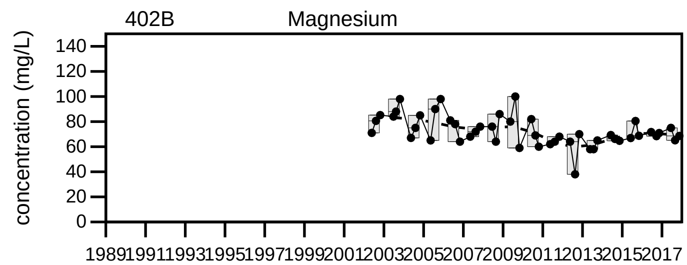


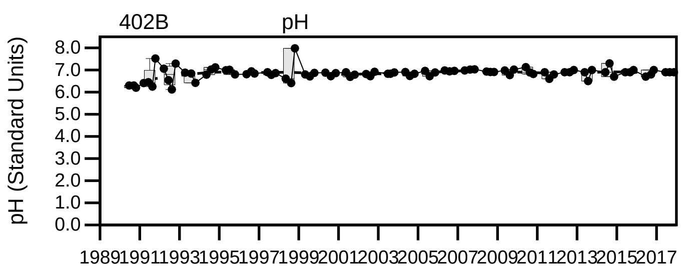


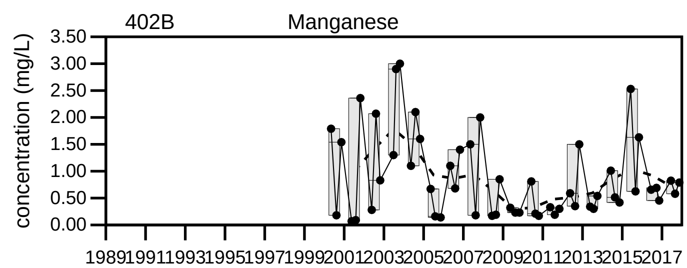


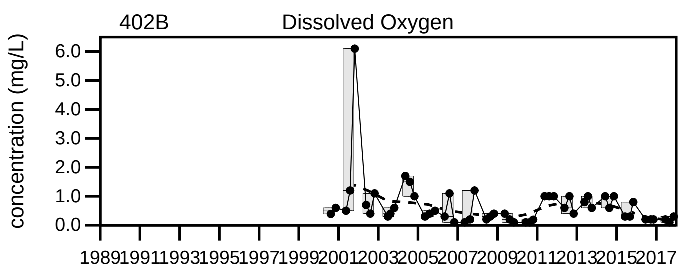


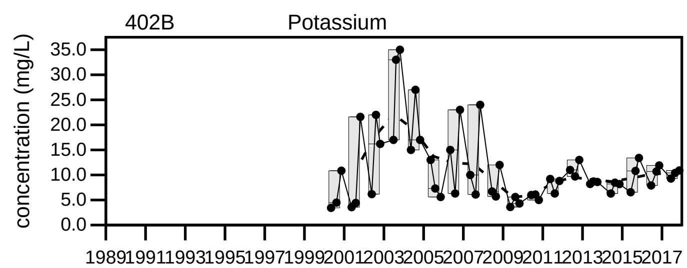


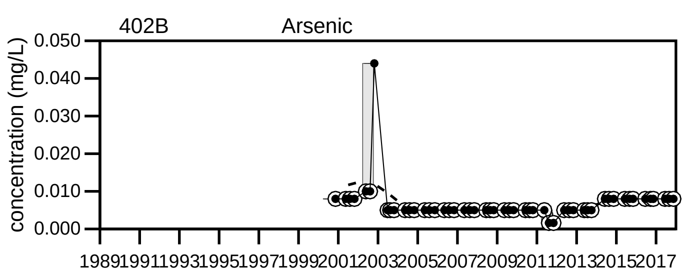


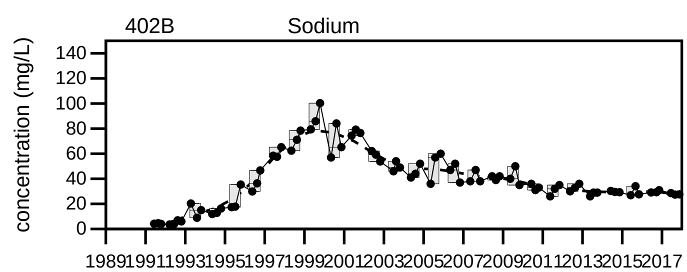












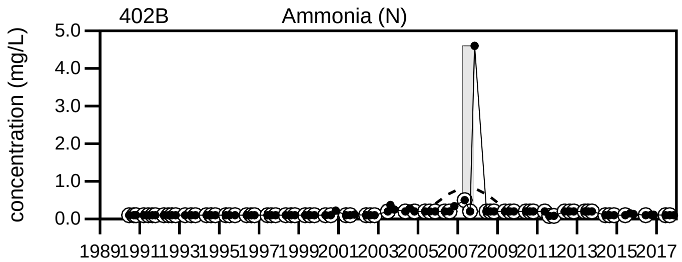
LEGEND

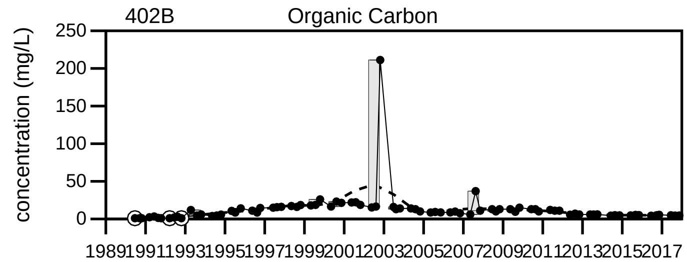
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

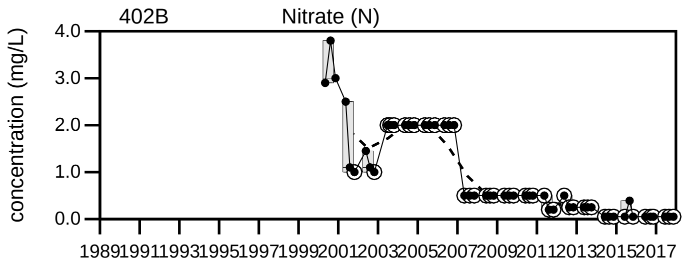
Dolby Landfill

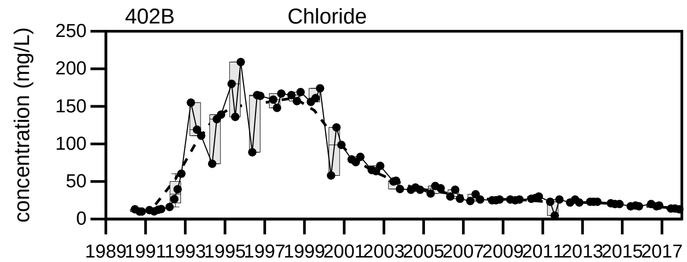
402B

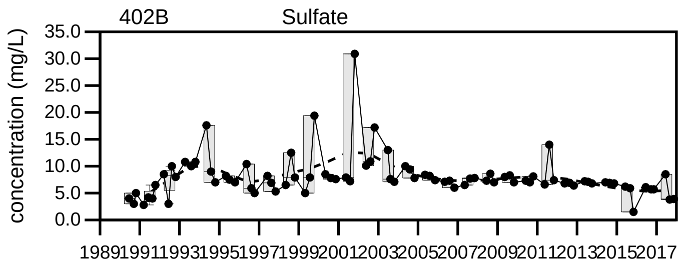
Sevee & Maher Engineers, Inc.

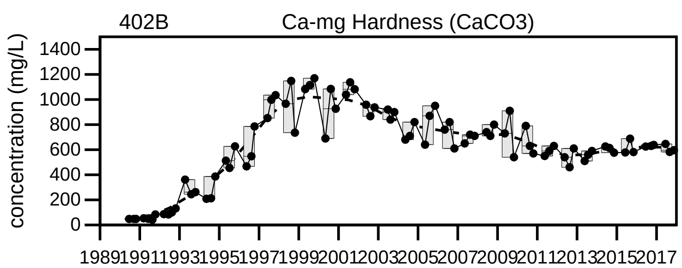


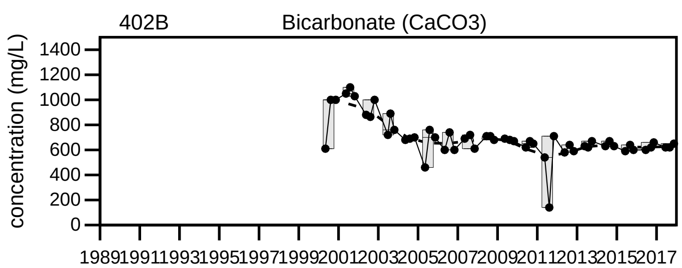


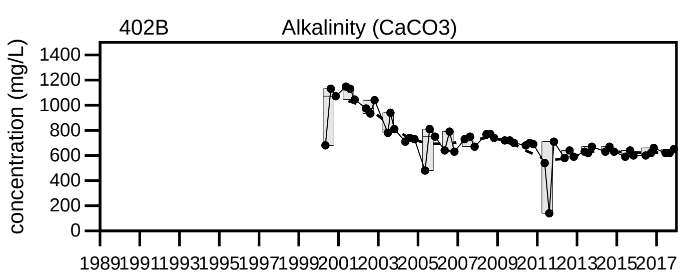












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

402B

Sevee & Maher Engineers, Inc.

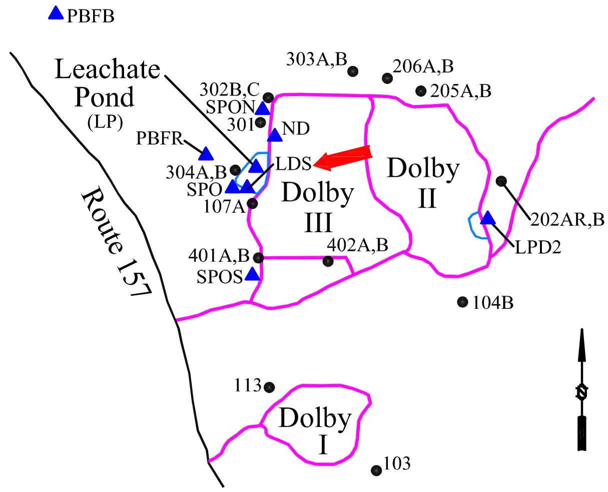
Well Description

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/2000 - 12/31/2017) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		1304	1140	1078	887	to	1773	1200	±	55	27
pH (STU)		7	7.1	6.9	6.57	to	7.8	7.1	±	0.055	27
Dissolved Oxygen (mg/L)		0.7	1.5	2	0.5	to	6	1.6	±	0.3	18
Arsenic (mg/L)		0.0143	0.016	0.01	0.006	to	0.034	0.015	±	0.001	27
Calcium (mg/L)		160	140	122	29	to	210	140	±	6.6	27
Iron (mg/L)		5.21	4.13	4.08	2.87	to	24	8.5	±	1.1	27
Magnesium (mg/L)		63	47.9	48	26	to	83	51	±	3.7	27
Manganese (mg/L)		5.55	4.4	3.96	1.5	to	14	5.8	±	0.56	27
Potassium (mg/L)		57.2	41.4	35.4	1 U	to	110	43	±	5.4	27
Sodium (mg/L)		37.9	34.2	29.6	5.1	to	44.1	30	±	1.5	27
Ammonia (N) (mg/L)		3.9	2.4	2.6	0.2 U	to	7.9	3	±	0.46	27
Nitrate (N) (mg/L)		0.05 U	0.05 U	0.05 U	0.05 U	to	0.5 U	0.29	±	0.037	27
Phosphate Phosphorus (mg/L)		0.1 U	0.1 U	0.1 U	0.02 U	to	0.24	0.07	±	0.009	26
Total Dissolved Solids (mg/L)		780	720	680	370	to	1000	710	±	32	27
Total Suspended Solids (mg/L)		6.8	7.6	8	4 U	to	72	19	±	3	27
Sulfate (mg/L)		↑36	22	↑51	1 U	to	30	14	±	1.9	27
Ca-mg Hardness (CaCO3) (mg/L)		658	547	503	180	to	870	550	±	29	27
Bicarbonate (CaCO3) (mg/L)		640	590	560	320	to	880	600	±	30	27
Alkalinity (CaCO3) (mg/L)		640	590	560	320	to	950	610	±	32	27
Organic Carbon (mg/L)		16	11	12	6.2	to	49	19	±	2.2	27
Chloride (mg/L)		38	38	35	4	to	54	37	±	1.9	27

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

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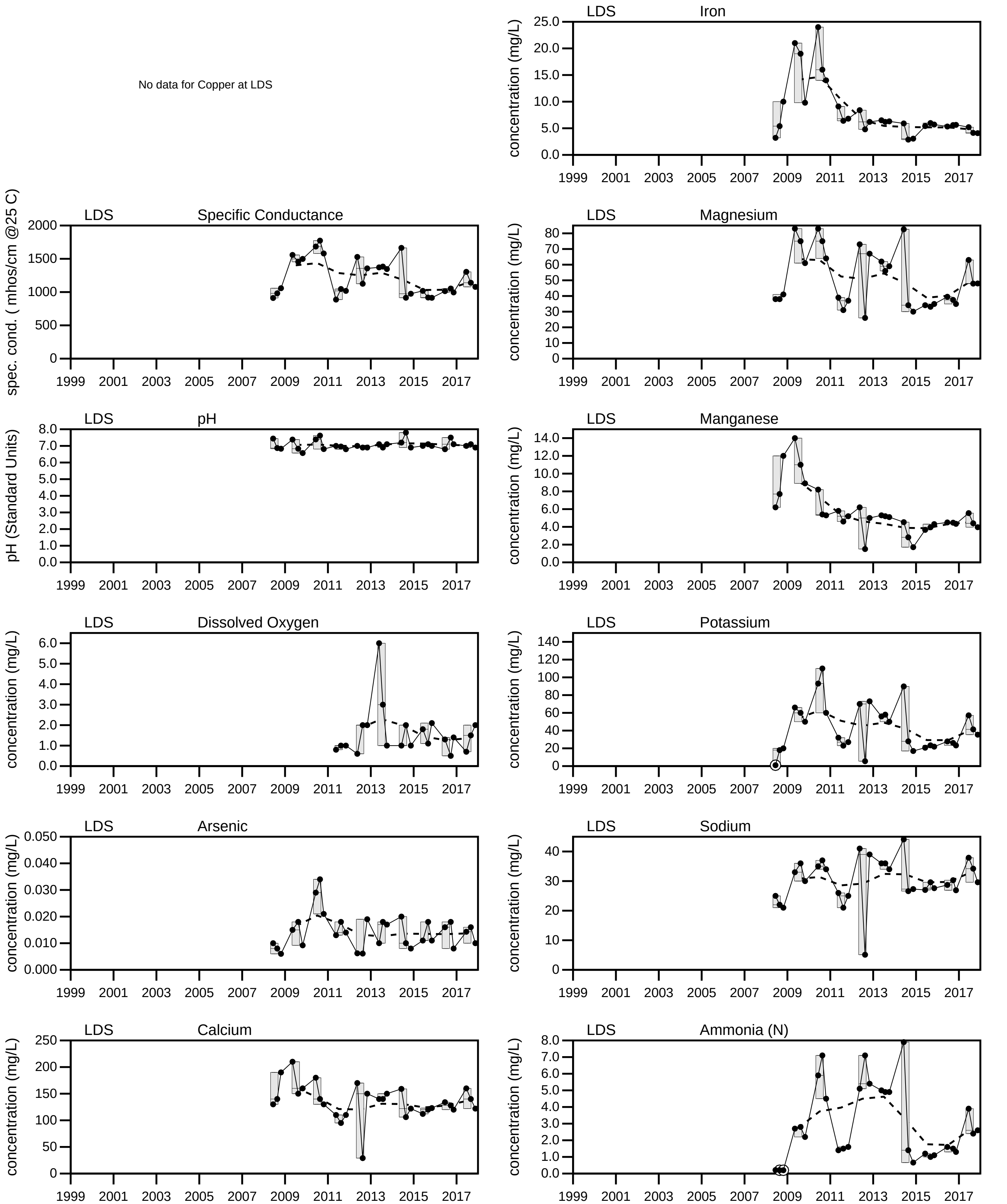
Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.



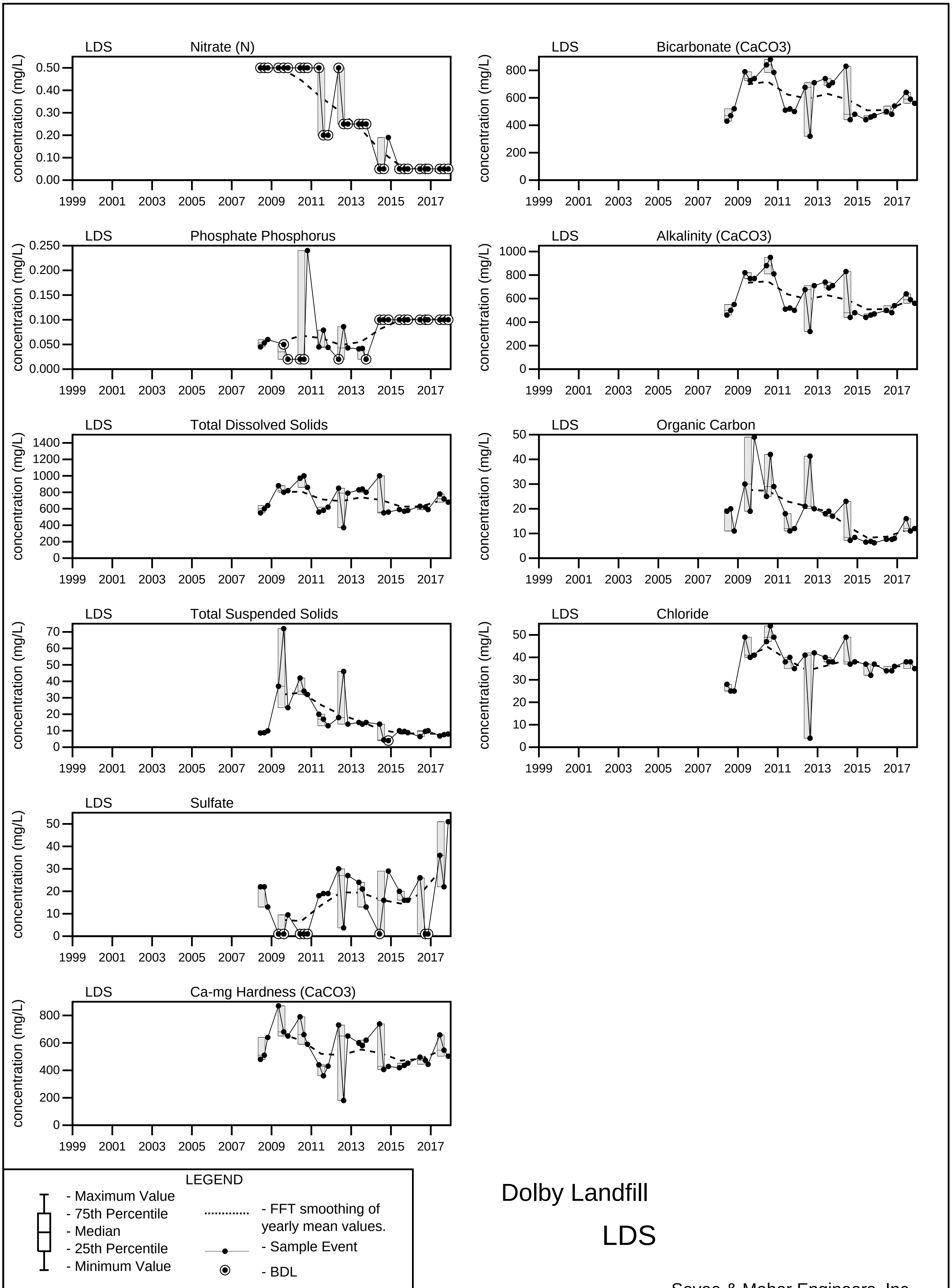
LEGEND

- 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.


LDS Nitrate (N)
LDS Bicarbonate (CaCO3)
LDS Phosphate Phosphorus
LDS Alkalinity (CaCO3)
LDS Total Dissolved Solids
LDS Organic Carbon
LDS Total Suspended Solids
LDS Chloride
LDS Sulfate
LDS Ca-mg Hardness (CaCO3)
concentration (mg/L)
1999 2001 2003 2005 2007 2009 2011 2013 2015 2017
LEGEND
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- 75th Percentile
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Dolby Landfill
LDS
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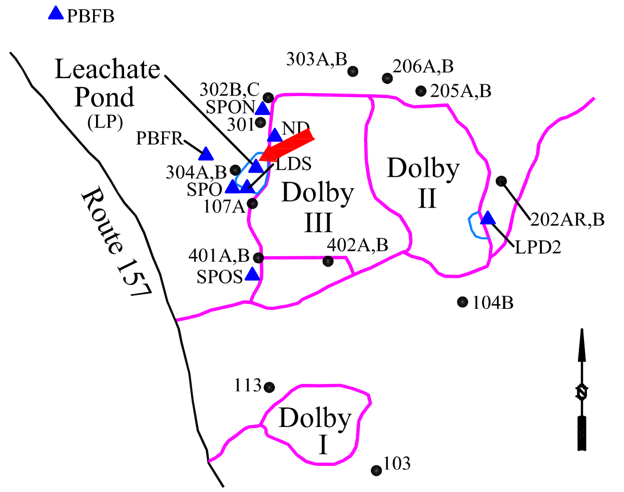
Well Description



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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		1650	2829	1170	1055	to	4760	2700	±	120	82
pH (STU)		7.8	7.7	7.7	6.46	to	8.46	7.4	±	0.04	83
Temperature (Deg C)		20.6	18.1	4.1	1.7	to	26.8	14	±	0.63	83
Dissolved Oxygen (mg/L)		6.9	6.9	8.5	4	to	10.7	6.7	±	0.43	18
Arsenic (mg/L)		0.008	0.008	0.009	0.0036	to	0.068	0.023	±	0.002	48
Calcium (mg/L)		152	121	144	30	to	340	160	±	11	44
Iron (mg/L)		1.53	2.5	4.39	0.28	to	76.7	9.7	±	1.1	83
Magnesium (mg/L)		104	224	60.8	41	to	350	120	±	9.3	44
Manganese (mg/L)		4.56	2.56	3.73	0.728	to	20.95	7	±	0.71	50
Potassium (mg/L)		114	259	70.1	55	to	410	160	±	12	50
Sodium (mg/L)		40.2	93.7	26	18.7	to	150	68	±	3.8	77
Ammonia (N) (mg/L)		12	27	7.4	1.1	to	27	12	±	0.64	83
Nitrate (N) (mg/L)		0.12	0.05 U	0.75	0.05 U	to	15.5	1.9	±	0.44	50
Total Dissolved Solids (mg/L)		1000	1800	780	640	to	3903	1500	±	97	51
Total Suspended Solids (mg/L)		↓4 U	10	8.4	6.8	to	133	57	±	4.8	50
Sulfate (mg/L)		26	1 U	77	1 U	to	568	87	±	16	83
Ca-mg Hardness (CaCO3) (mg/L)		810	1230	610	370	to	6430.2	1300	±	94	83
Bicarbonate (CaCO3) (mg/L)		910	1600	600	520	to	2550	1100	±	63	50
Alkalinity (CaCO3) (mg/L)		910	1600	600	520	to	2700	1200	±	68	50
Organic Carbon (mg/L)		30	55	22	18	to	615	350	±	84	83
Chloride (mg/L)		39	91	26	17	to	314	130	±	9.8	83
Turbidity (field) (NTU)		12.2	8.4	6.7	4.2	to	74.3	26	±	5.5	18

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

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Comments

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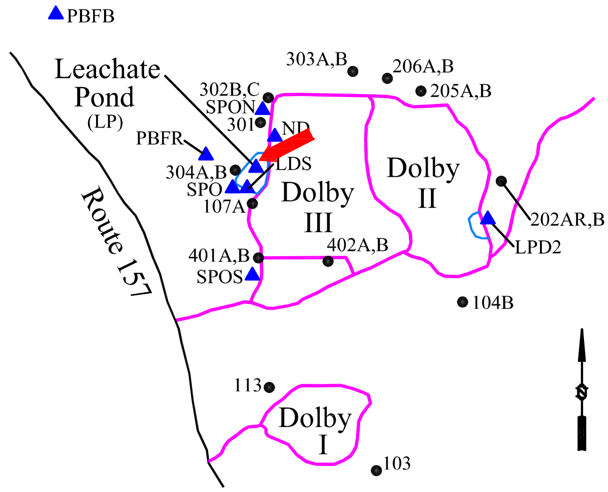
U= Not Detected above the reported sample detection limit.

SME SEVEE & MAHER ENGINEERS

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/1990 - 12/31/2017) Min		Max	Mean		SE	n
Benzene (ug/L)		3 U	3 U	3 U	3 U	to	30 U	5.3	±	1.1	24
Toluene (ug/L)		5 U	5 U	5 U	2.8	to	50 U	6.7	±	1.9	24
Ethylbenzene (ug/L)		5 U	5 U	5 U	3.7 U	to	50 U	6.8	±	1.9	24
o-Xylene (ug/L)		5 U	5 U	5 U	4.4 U	to	50 U	6.9	±	1.9	24
m,p-Xylene (ug/L)		10 U	10 U	10 U	0.96	to	100 U	12	±	3.9	24
C11-C22 AROMATICS (ADJUSTED) (ug/L		94 U	94 U	94 U	94 U	to	280	110	±	13	14
C19-C36 ALIPHATICS (ADJUSTED) (ug/L		94 U	94 U	94 U	94 U	to	104 U	97	±	0.99	14
C5-C8 ALIPHATICS (ADJUSTED) (ug/L)		100 U	100 U	100 U	75 U	to	1000 U	150	±	65	14
C9-C10 AROMATICS (ADJUSTED) (ug/L)		100 U	100 U	100 U	25 U	to	1000 U	140	±	67	14
C9-C12 ALIPHATICS (ADJUSTED) (ug/L)		100 U	100 U	100 U	25 U	to	1000 U	140	±	67	14
C9-C18 ALIPHATICS (ADJUSTED) (ug/L)		94 U	94 U	94 U	94 U	to	104 U	97	±	0.99	14
Methyltertiarybutylether (ug/L)		5 U	5 U	5 U	2 U	to	50 U	7.1	±	2.4	19
Naphthalene (ug/L)		5 U	5 U	5 U	1.7 U	to	50 U	6.9	±	2.3	20
Naphthalene (EPH) (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	1.9 U	1.9	±	0	6
2-Methylnaphthalene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Acenaphthylene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Acenaphthene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Fluorene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Phenanthrene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Anthracene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Fluoranthene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Pyrene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Benzo(a)Anthracene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Chrysene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Benzo(b)Fluoranthene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Benzo(k)Fluoranthene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Benzo(a)Pyrene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Indeno(1,2,3-c,d)Pyrene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Dibenz(a,h)Anthracene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16
Benzo(g,h,i)perylene (ug/L)		1.9 U	1.9 U	1.9 U	1.9 U	to	10 U	3.9	±	0.7	16

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Comments

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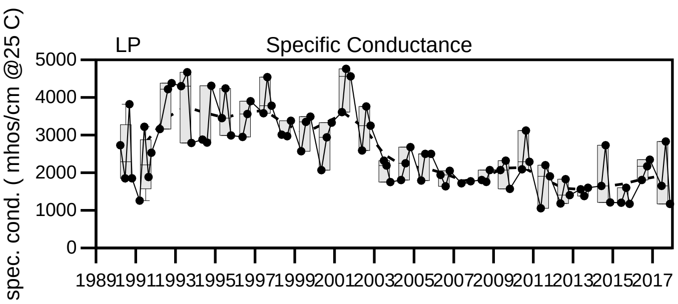

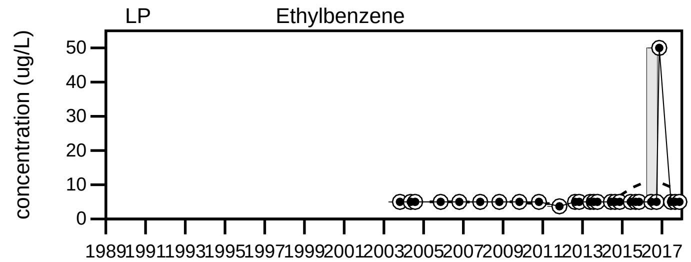

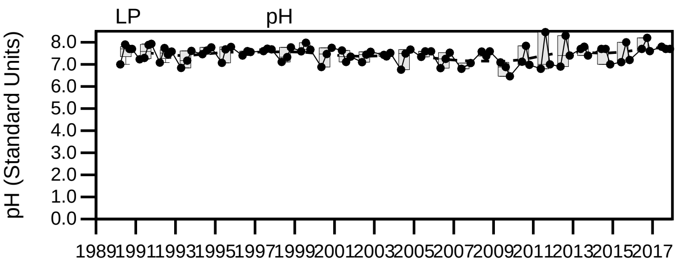

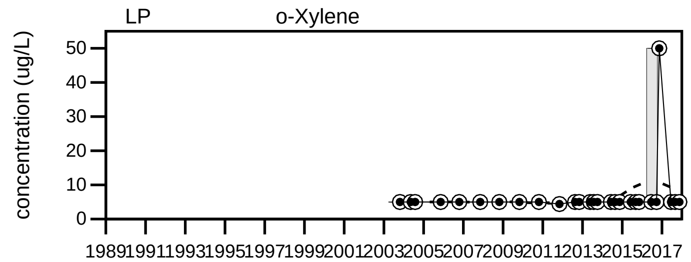

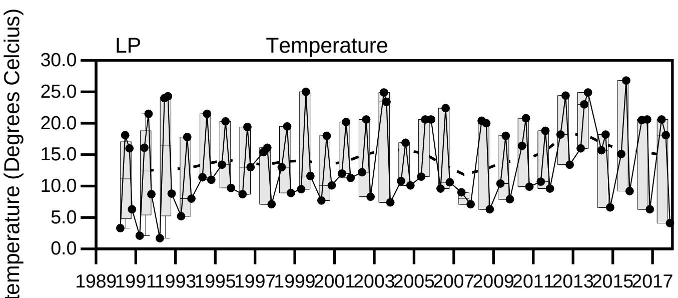

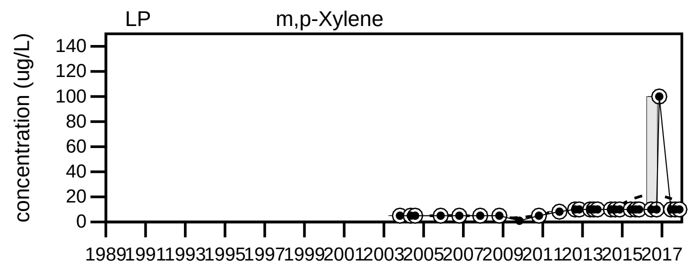

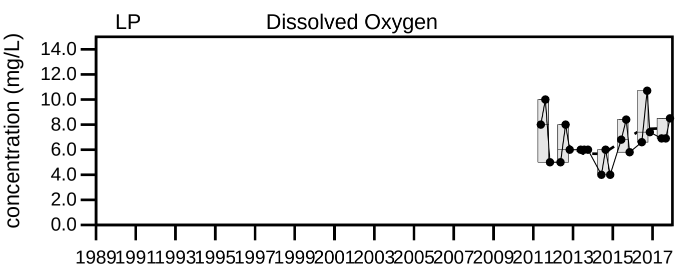

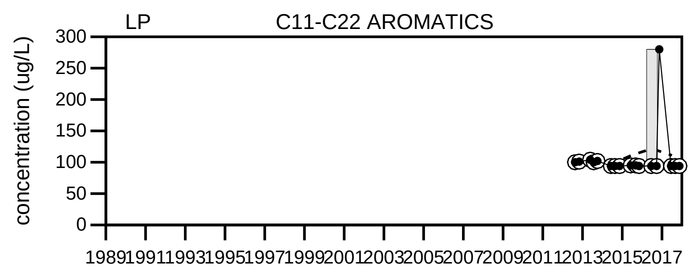

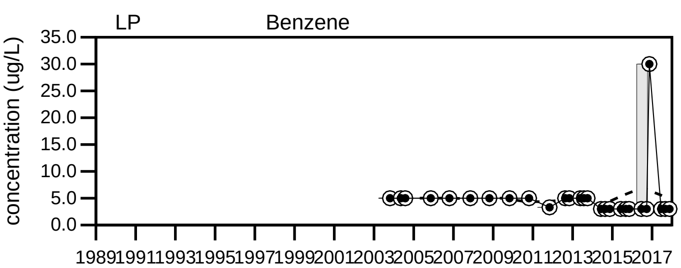

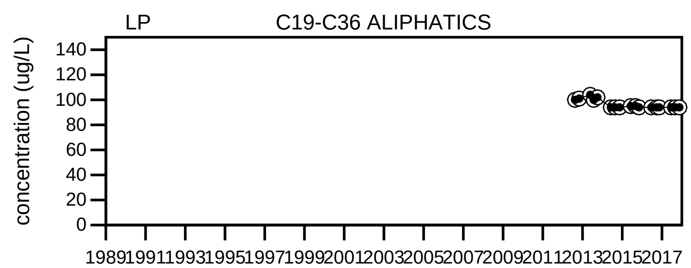

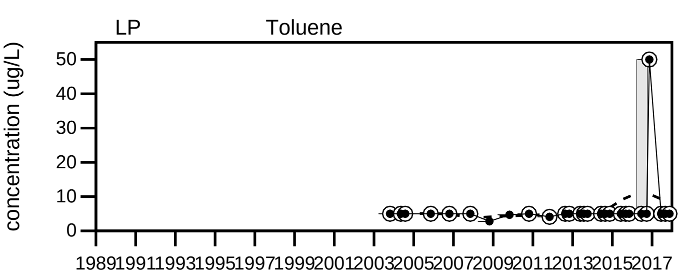

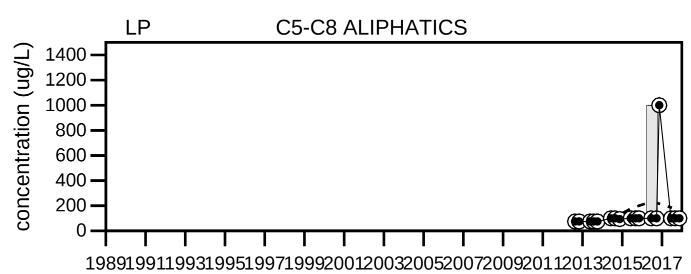

LEGEND

- Maximum Value
- 75th Percentile
- Median
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- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
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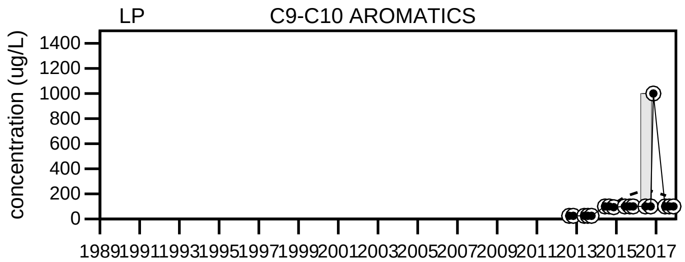
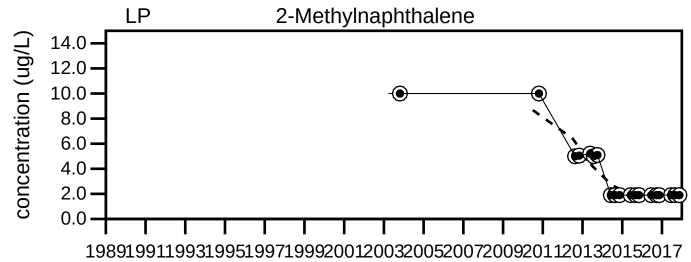
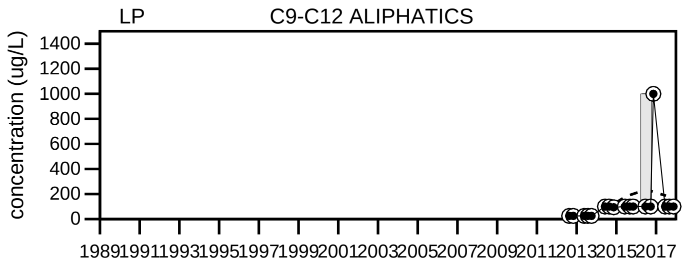
Dolby Landfill

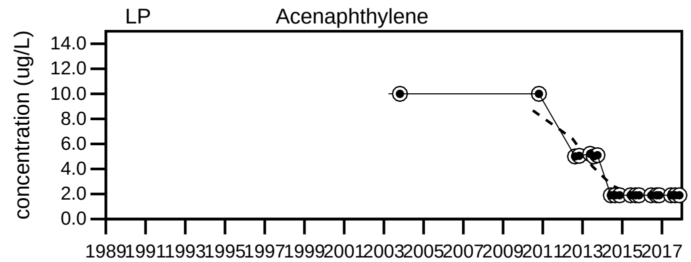
LP

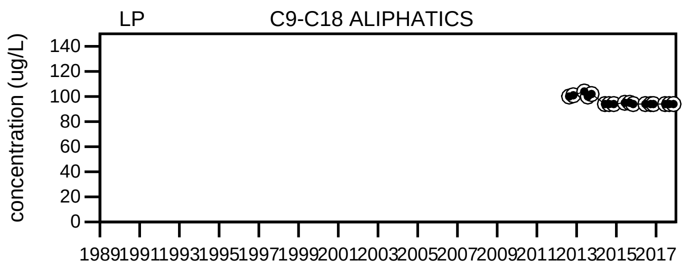
Sevee & Maher Engineers, Inc.

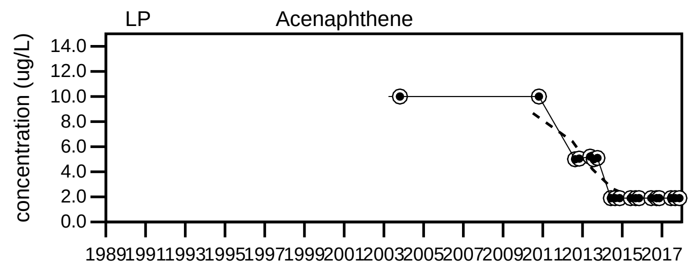


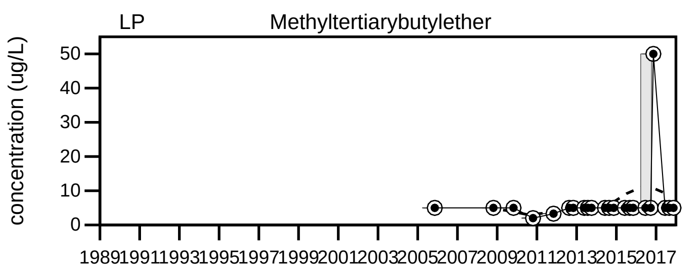


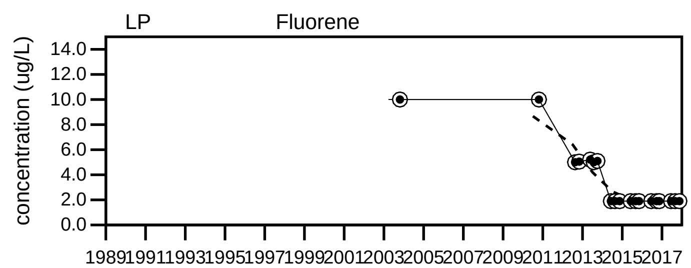


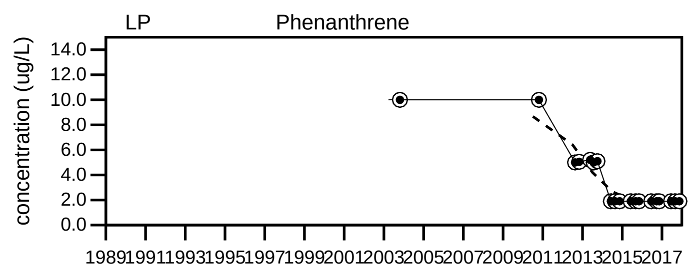


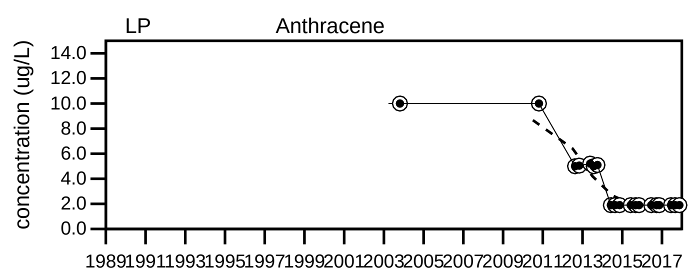












LEGEND

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Dolby Landfill

LP

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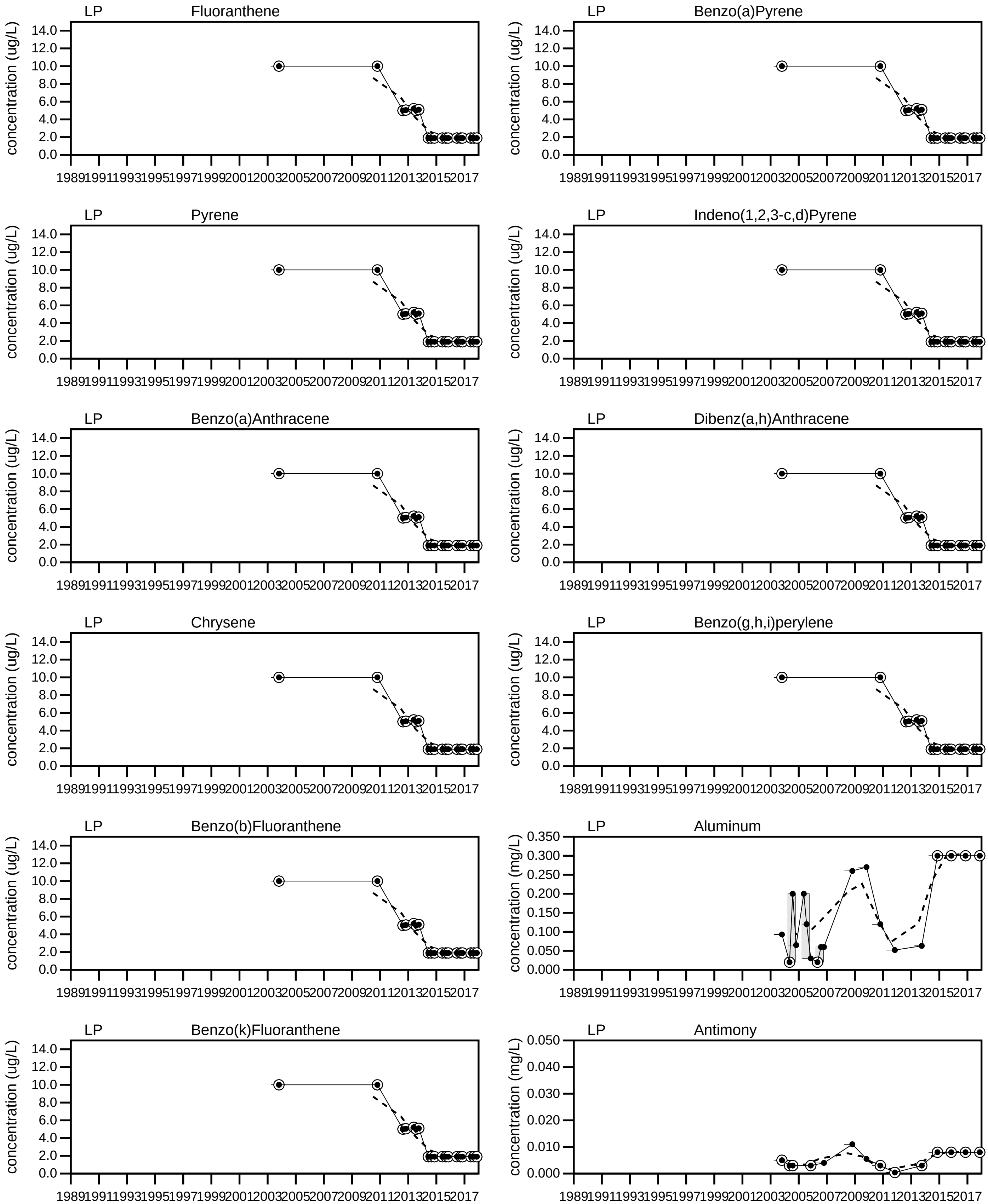

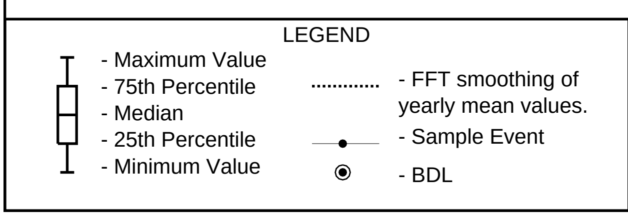

Dolby Landfill

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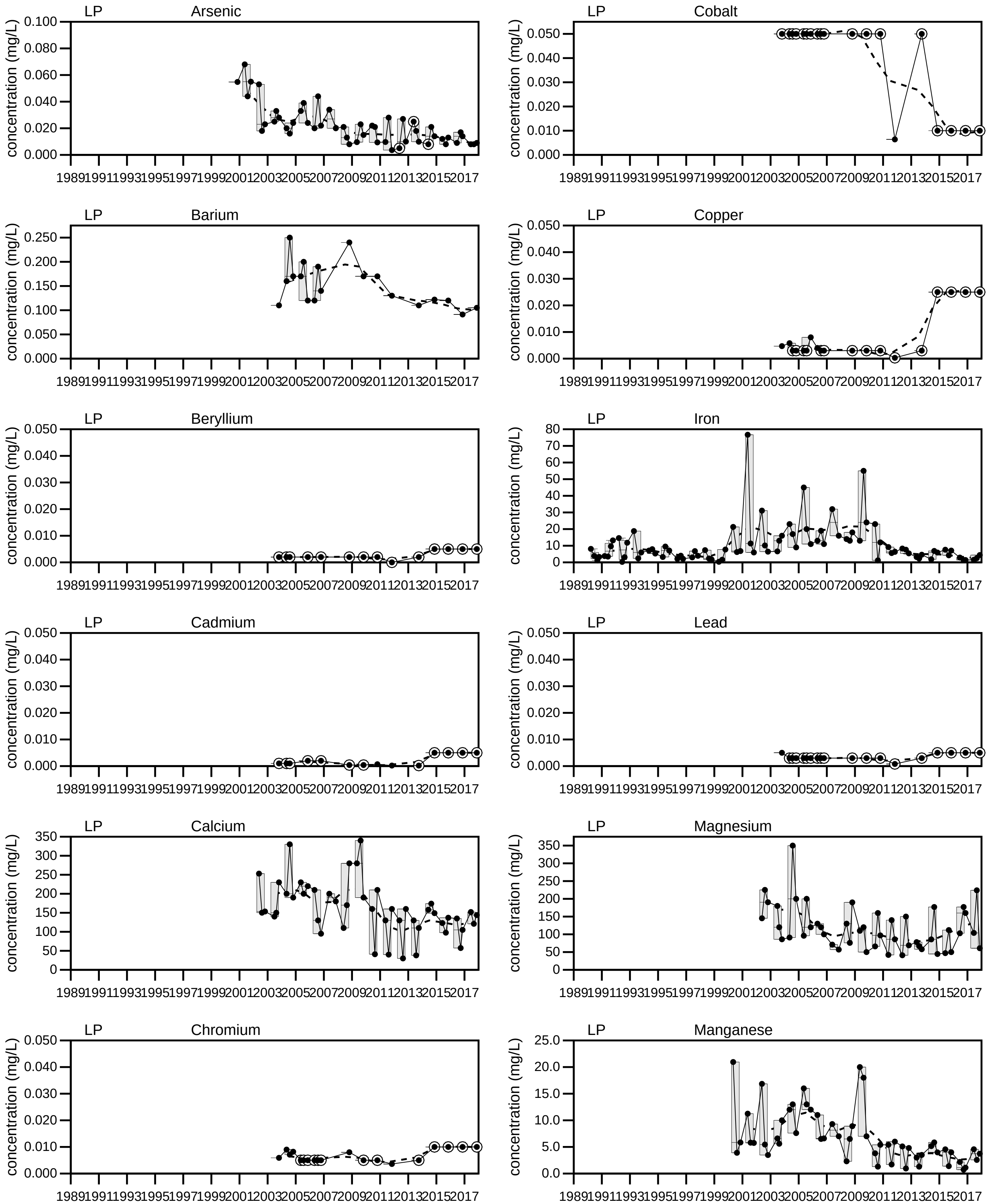

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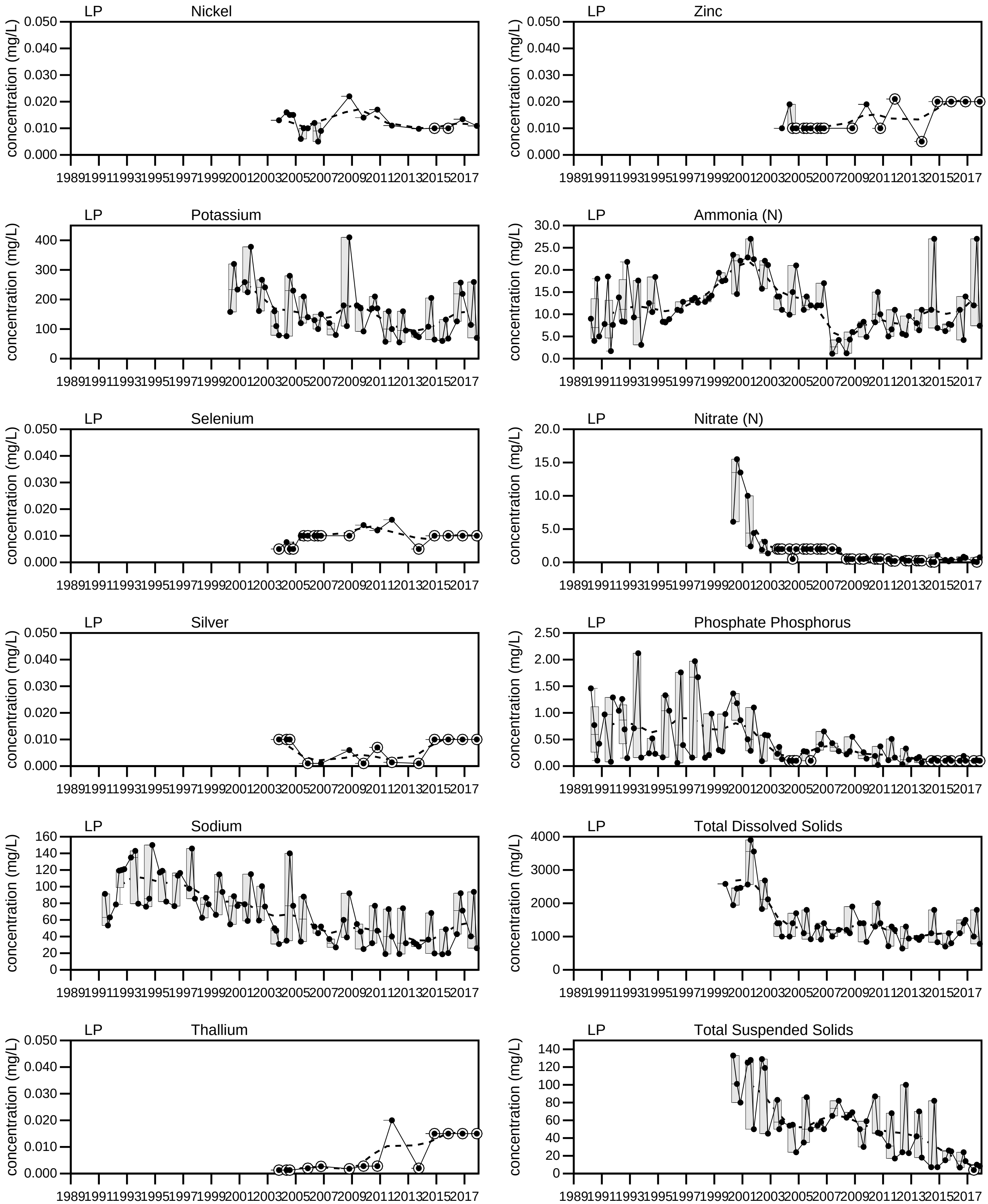

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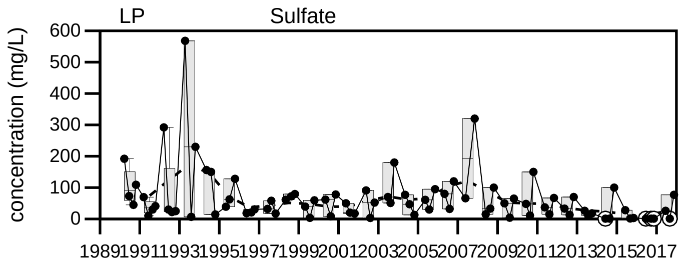
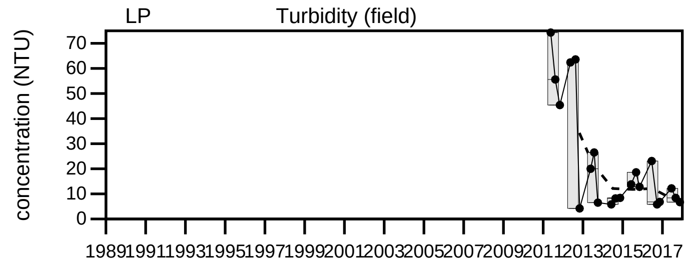
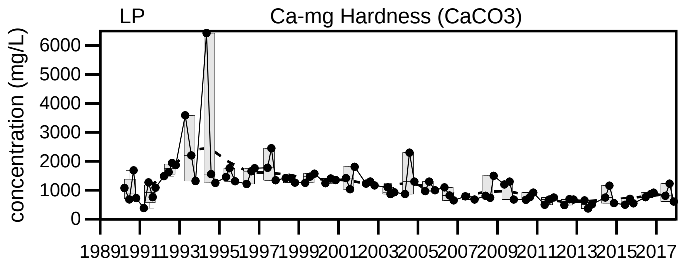
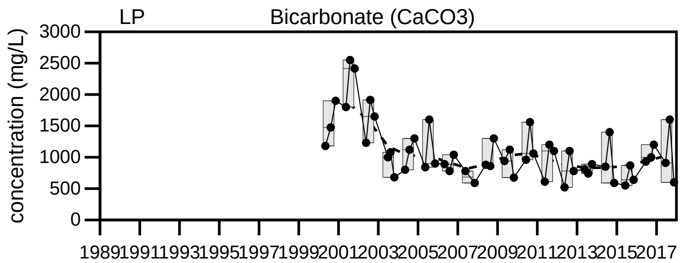
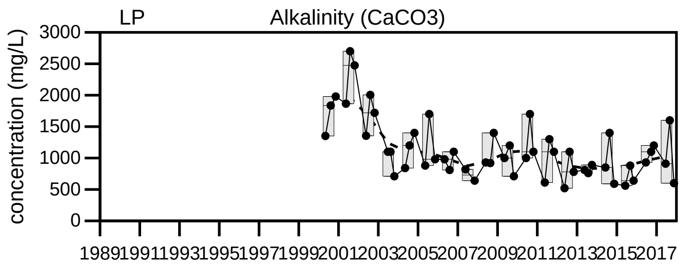
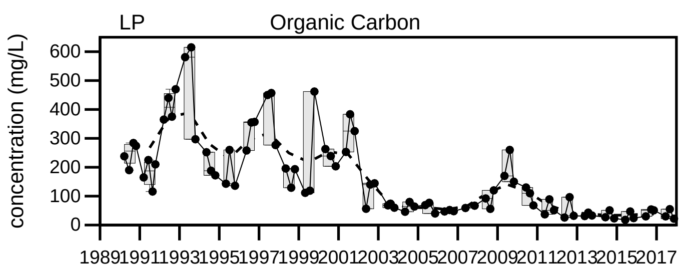


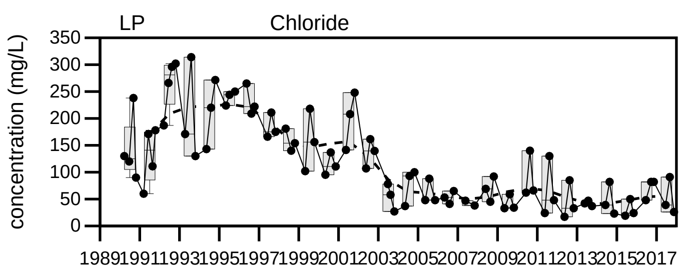












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

LP

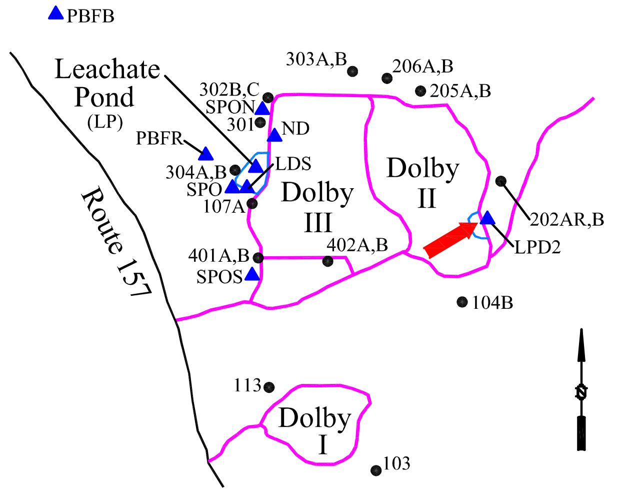
Sevee & Maher Engineers, Inc.

LPD2 **LPD2**

Dolby Landfill 2017 Surface Water Stats

Well Description

Leachate Pond East of Dolby II



Sampled: **3 times annually**

Sampled Since: **May-05**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/2000 - 12/31/2017) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		162	523	285	94	to	729	320	±	29	34
pH (STU)		7.4	8	6.8	6.3	to	8.29	7.1	±	0.082	34
Dissolved Oxygen (mg/L)		4.9	2	3.4	1	to	12.3	5.6	±	0.46	33
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0025	to	0.024	0.0071	±	0.000	34
Calcium (mg/L)		21.5	41.8	38.1	12	to	130	33	±	3.5	34
Iron (mg/L)		1.97	3.54	5.62	0.4	to	15.2	3.4	±	0.62	34
Magnesium (mg/L)		7.03	31.8	9.67	2.8	to	61	17	±	2.9	34
Manganese (mg/L)		0.408	1.22	1.93	0.023	to	5.1	0.9	±	0.21	34
Potassium (mg/L)		2.15	6.75	3.4	1.4	to	52	5.2	±	1.5	34
Sodium (mg/L)		1.54	6.19	1.99	1 U	to	36	4	±	1.1	34
Ammonia (N) (mg/L)		0.54	6.2	2.1	0.1 U	to	6.3	1.9	±	0.3	34
Nitrate (N) (mg/L)		↑2.4	0.19	1	0.05 U	to	2 U	0.8	±	0.12	34
Phosphate Phosphorus (mg/L)		0.1 U	0.1 U	0.1 U	0.02 U	to	2.4	0.13	±	0.073	32
Total Dissolved Solids (mg/L)		94	310	190	26	to	810	190	±	25	34
Total Suspended Solids (mg/L)		4 U	8.4	10	0.6 U	to	34	10	±	1.6	34
Sulfate (mg/L)		4.9	15	↑43	1 U	to	35	10	±	1.7	34
Ca-mg Hardness (CaCO3) (mg/L)		82.7	235	135	44	to	550	150	±	19	34
Bicarbonate (CaCO3) (mg/L)		79	250	78	44	to	710	160	±	22	34
Alkalinity (CaCO3) (mg/L)		79	250	78	44	to	710	160	±	22	34
Organic Carbon (mg/L)		7.4	27	7.1	4	to	40	12	±	1.6	34
Chloride (mg/L)		2.2	6.8	2.9	0.58	to	41	3.8	±	1.2	34

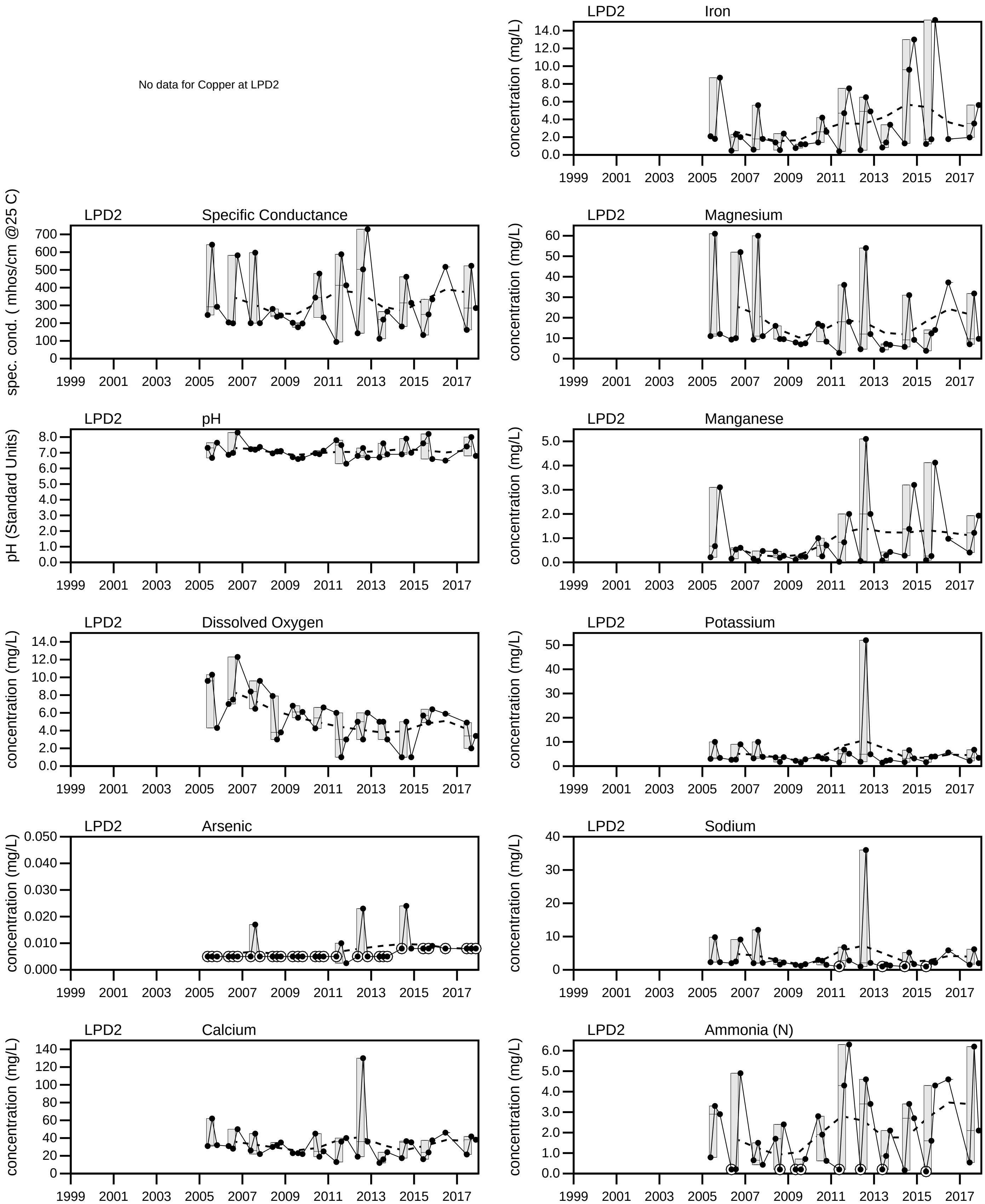
underlined/bold - values exceed a regulatory standard listed below.

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.



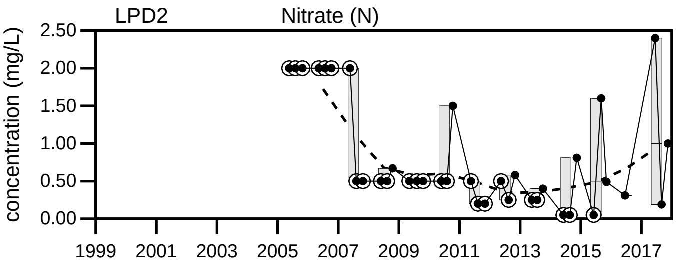
LEGEND

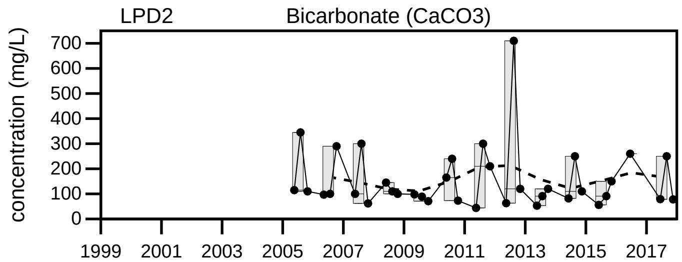
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

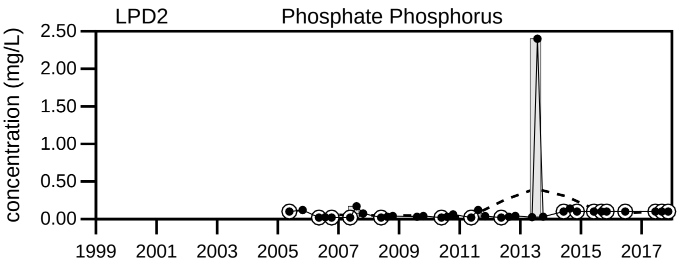
Dolby Landfill

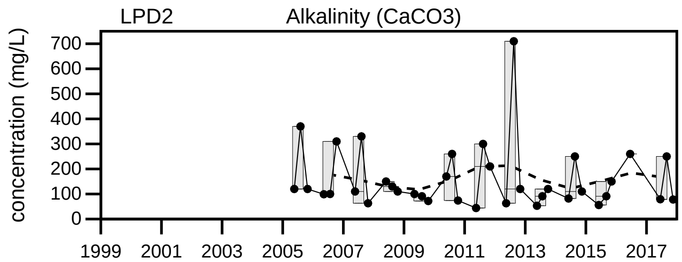
LPD2

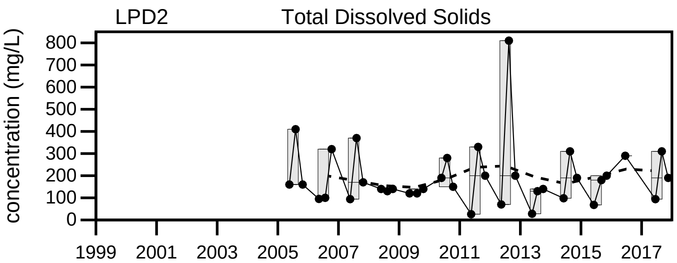
Sevee & Maher Engineers, Inc.

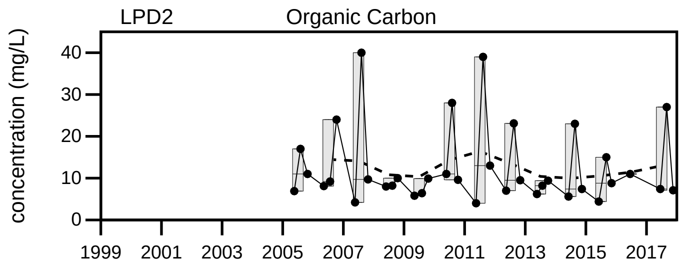


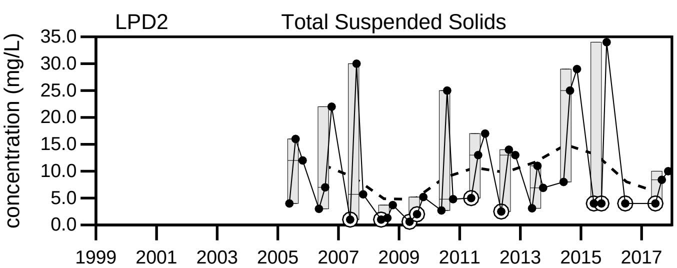


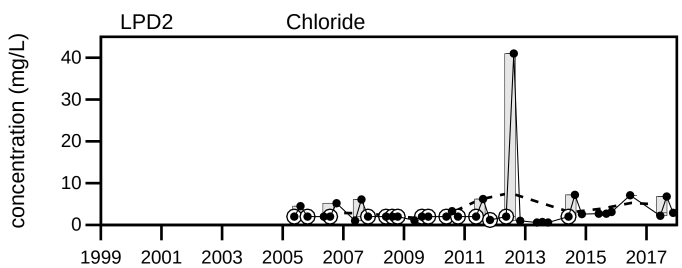


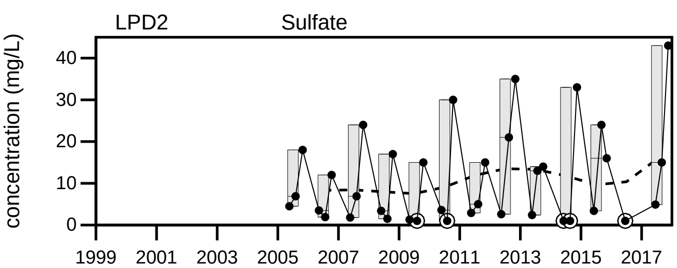


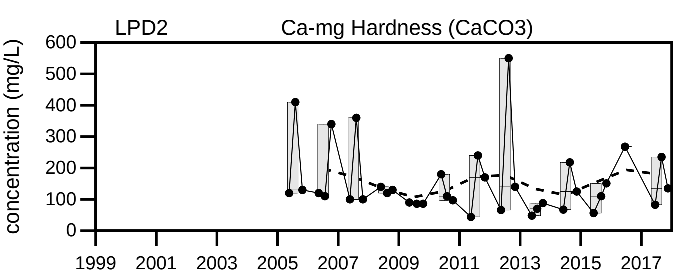












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

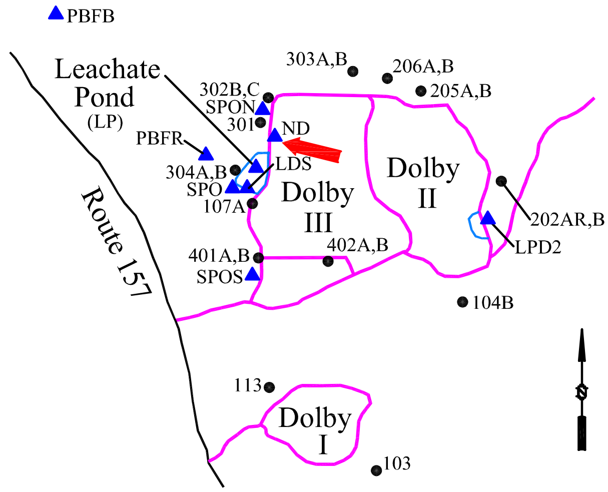
Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/2000 - 12/31/2017) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		D	D	D	138.5	to	264	210	±	21	5
pH (STU)		D	D	D	6.86	to	8.58	7.7	±	0.22	5
Dissolved Oxygen (mg/L)		D	D	D	6	to	14.5	9.6	±	1.7	5
Arsenic (mg/L)		D	D	D	0.005 U	to	0.005 U	0.005	±	3E-11	5
Calcium (mg/L)		D	D	D	26	to	59	39	±	7	5
Iron (mg/L)		D	D	D	0.053	to	3.5	0.67	±	0.48	5
Magnesium (mg/L)		D	D	D	2.6	to	4.9	3.3	±	0.43	5
Manganese (mg/L)		D	D	D	0.021	to	0.53	0.18	±	0.098	5
Potassium (mg/L)		D	D	D	2.6	to	7.1	4.8	±	0.81	5
Sodium (mg/L)		D	D	D	1	to	2.4	2.7	±	0.86	5
Ammonia (N) (mg/L)		D	D	D	0.2 U	to	0.21	0.17	±	0.019	5
Nitrate (N) (mg/L)		D	D	D	0.5 U	to	2 U	1.1	±	0.37	5
Phosphate Phosphorus (mg/L)		D	D	D	0.02 U	to	0.16	0.066	±	0.023	5
Total Dissolved Solids (mg/L)		D	D	D	73	to	200	180	±	63	5
Total Suspended Solids (mg/L)		D	D	D	1.5	to	160	38	±	31	5
Sulfate (mg/L)		D	D	D	4.2	to	21	12	±	2.7	5
Ca-mg Hardness (CaCO3) (mg/L)		D	D	D	77	to	160	110	±	13	5
Bicarbonate (CaCO3) (mg/L)		D	D	D	53	to	120	86	±	13	5
Alkalinity (CaCO3) (mg/L)		D	D	D	56	to	120	88	±	13	5
Organic Carbon (mg/L)		D	D	D	5	to	21	13	±	2	5
Chloride (mg/L)		D	D	D	2 U	to	2 U	5	±	2	5

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

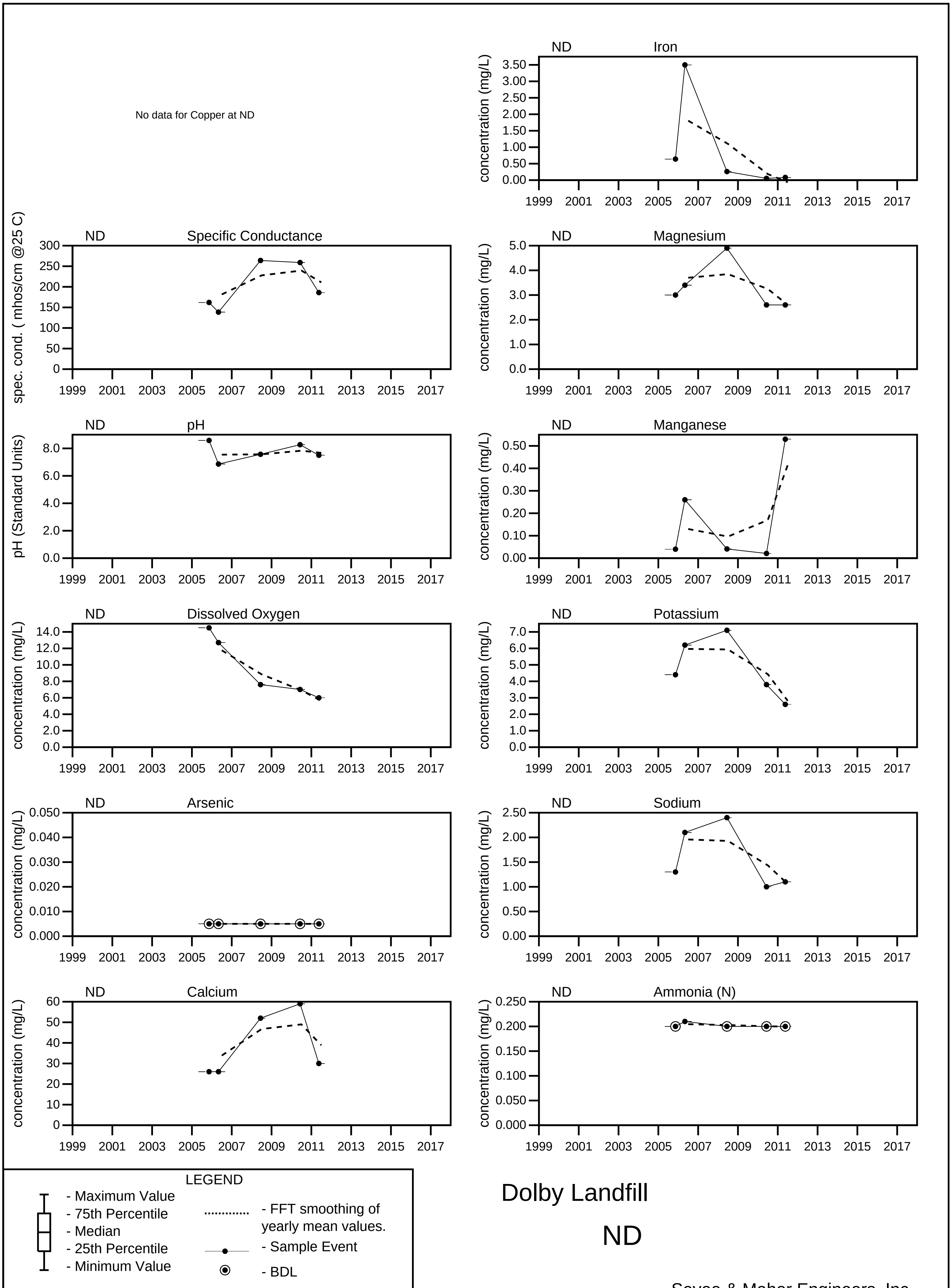
Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

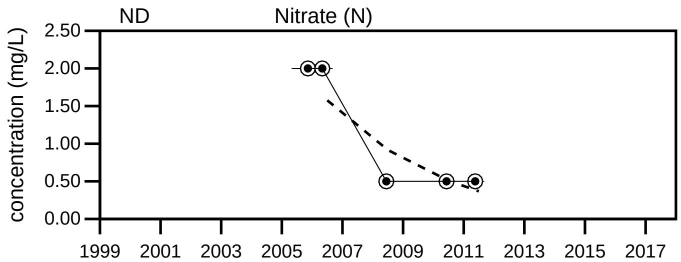
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

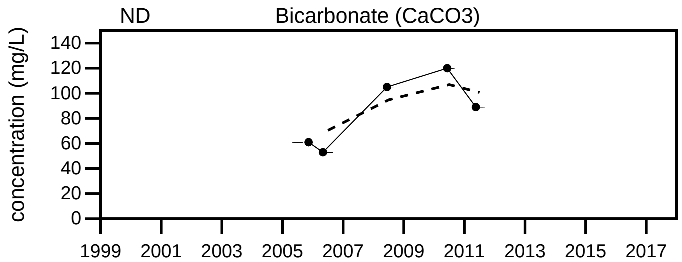
Comments

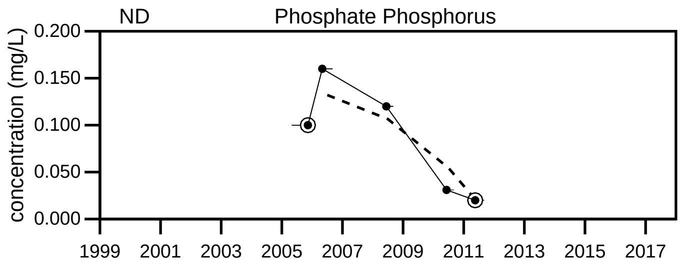
Q2= June 2017 Q3= August 2017 Q4= November 2017

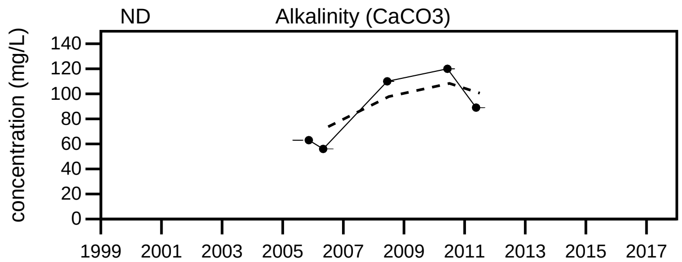
D=The sampling location was dry.

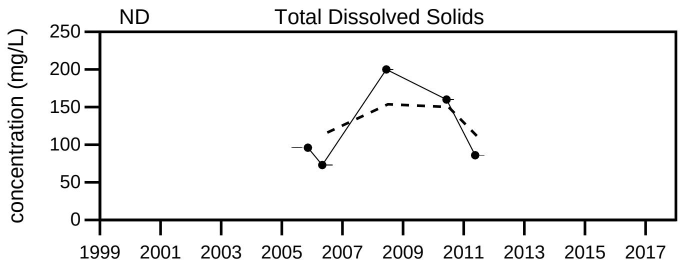

No data for Copper at ND
ND Iron
ND Specific Conductance
ND Magnesium
ND pH
ND Manganese
ND Dissolved Oxygen
ND Potassium
ND Arsenic
ND Sodium
ND Calcium
ND Ammonia (N)
concentration (mg/L)
spec. cond. (mhos/cm @25 C)
pH (Standard Units)
1999 2001 2003 2005 2007 2009 2011 2013 2015 2017
LEGEND
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL
Dolby Landfill
ND
Sevee & Maher Engineers, Inc.

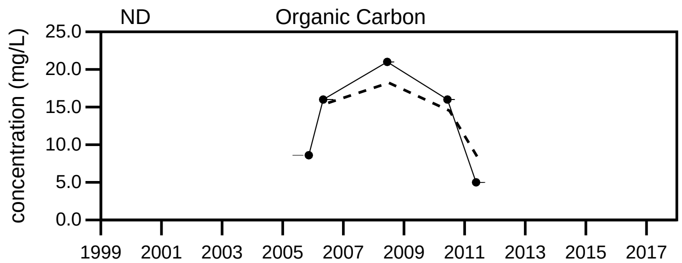


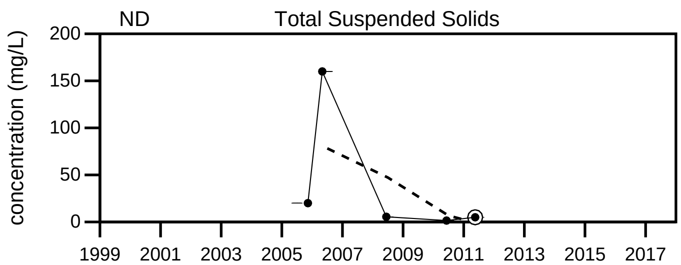


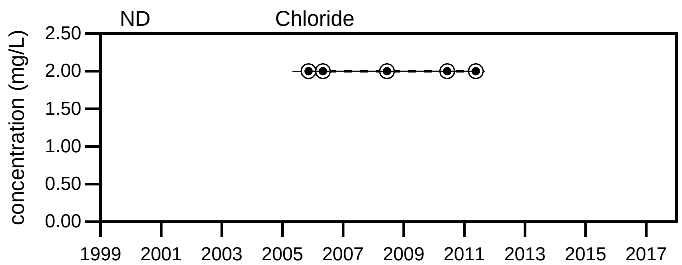


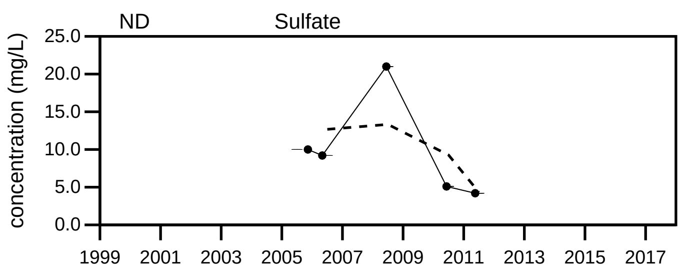


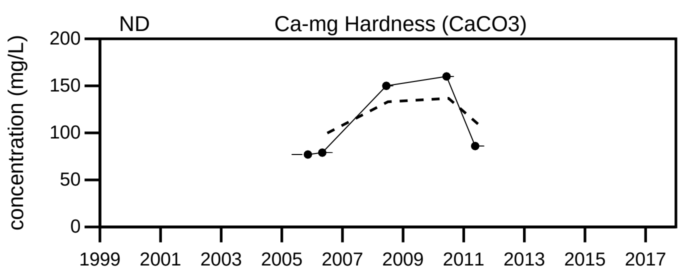


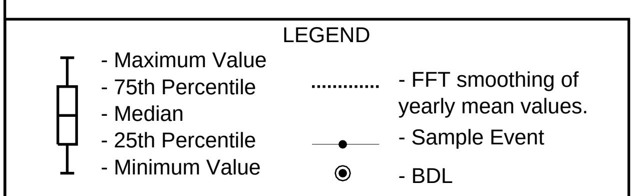












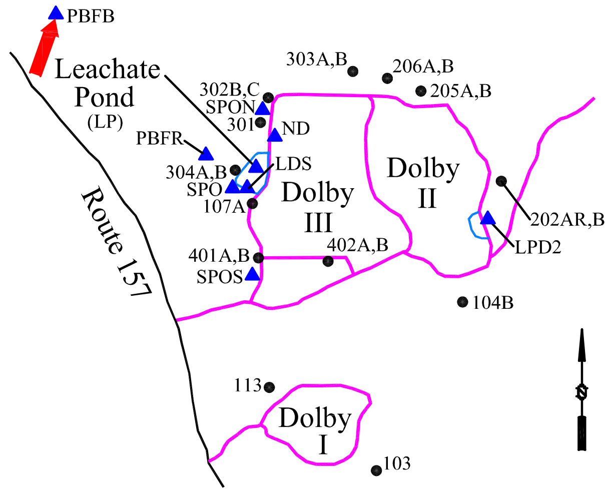
Dolby Landfill

ND

Sevee & Maher Engineers, Inc.

Well Description

Backgound surface water sample from Partridge Brook Flowage.



Sampled: **3 times annually**

Sampled Since: **May-00**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/2000 - 12/31/2017) Min	Max	Mean	SE	n
Specific Conductance (µmhos/cm @25°C)		45	58	68	27	to 322	56	± 5.9	51
pH (STU)		8	8.1	7.8	5.8	to 9.02	7.4	± 0.1	51
Dissolved Oxygen (mg/L)		6.2	6	↑ 10.9	2.3	to 10	5.9	± 0.26	47
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.0016 U	to 0.01 U	0.006	± 0.000	49
Calcium (mg/L)		5.7	5.83	7.21	2.5	to 8.1	4.8	± 0.19	45
Iron (mg/L)		0.515	0.457	0.337	0.16	to 4	0.86	± 0.11	51
Magnesium (mg/L)		1.57	1.95	↑ 2.09	1 U	to 2	1.4	± 0.049	45
Manganese (mg/L)		0.0566	0.0705	0.0287	0.016	to 1.58	0.28	± 0.05	51
Potassium (mg/L)		1 U	1 U	1 U	0.146	to 1.4	0.87	± 0.044	51
Sodium (mg/L)		1.56	1.7	2.05	1 U	to 2.2	1.5	± 0.046	51
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.08 U	to 0.98	0.18	± 0.018	51
Nitrate (N) (mg/L)		0.05 U	0.073	0.05 U	0.05 U	to 2 U	0.85	± 0.1	51
Phosphate Phosphorus (mg/L)		0.1 U	0.1 U	0.1 U	0.003	to 0.22	0.061	± 0.007	50
Total Dissolved Solids (mg/L)		45	58	67	8	to 114	49	± 3.1	51
Total Suspended Solids (mg/L)		4 U	4 U	4 U	1 U	to 140	9	± 2.9	51
Sulfate (mg/L)		1 U	1 U	1 U	0.67	to 28	3.4	± 0.64	51
Ca-mg Hardness (CaCO3) (mg/L)		20.7	22.6	26.6	10 U	to 30.1	17	± 0.71	51
Bicarbonate (CaCO3) (mg/L)		16	18	20	1 U	to 190	17	± 3.6	51
Alkalinity (CaCO3) (mg/L)		16	18	20	1 U	to 200	17	± 3.8	51
Organic Carbon (mg/L)		9.9	9.1	11	6.3	to 38	12	± 0.81	51
Chloride (mg/L)		2 U	3.1	3.8	0.86	to 4.1	2.2	± 0.11	51

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

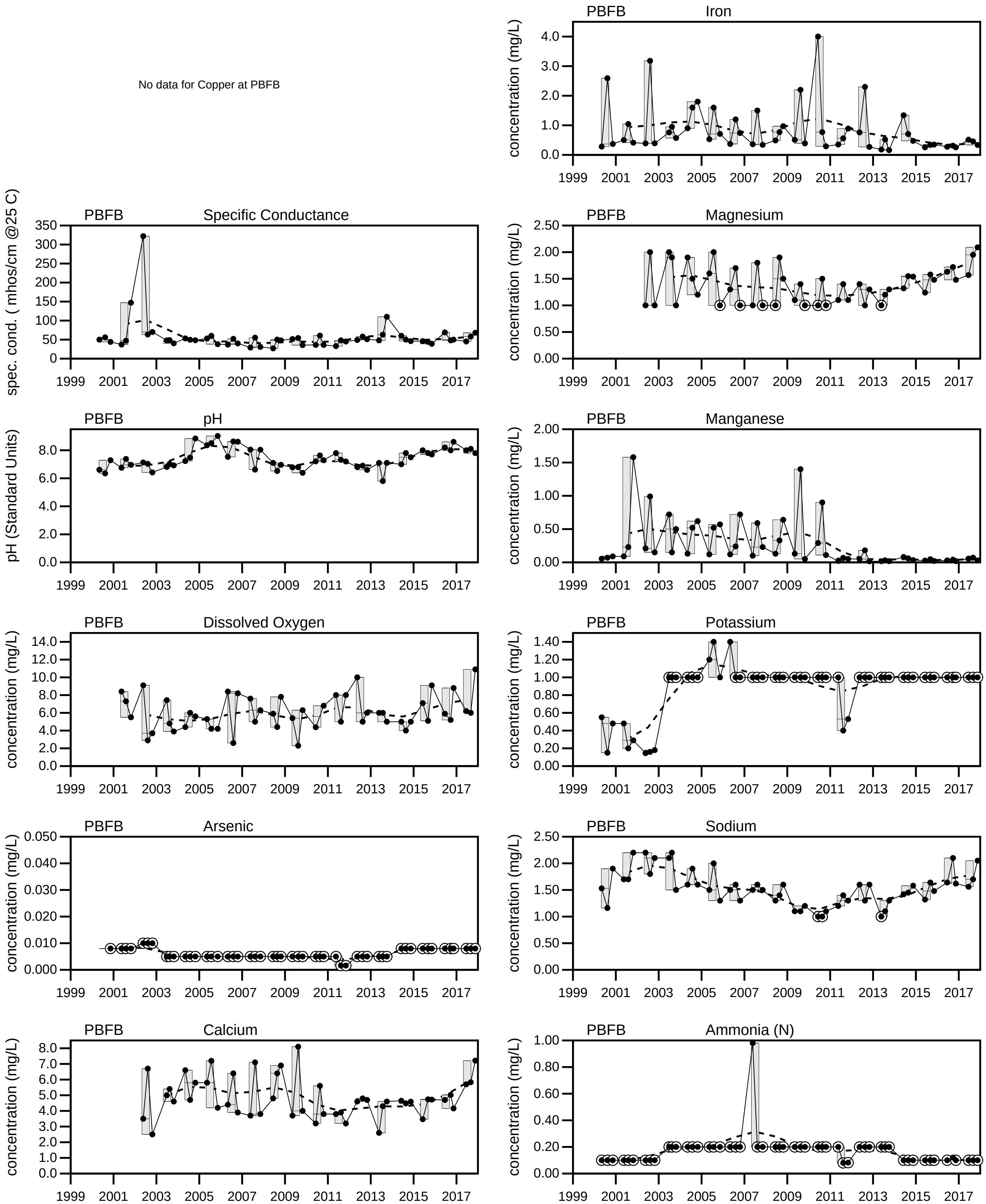
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

No data for Copper at PBFB



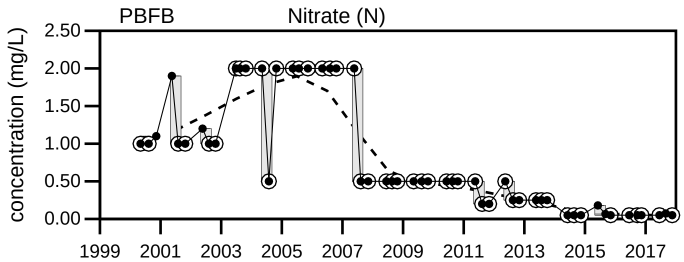
LEGEND

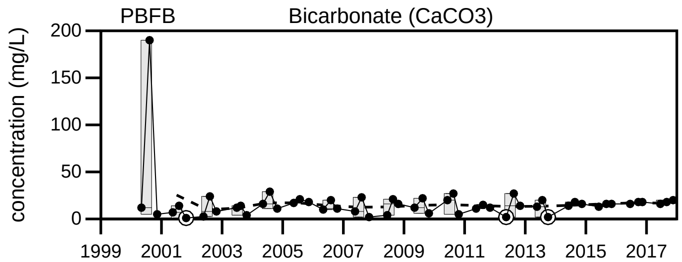
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

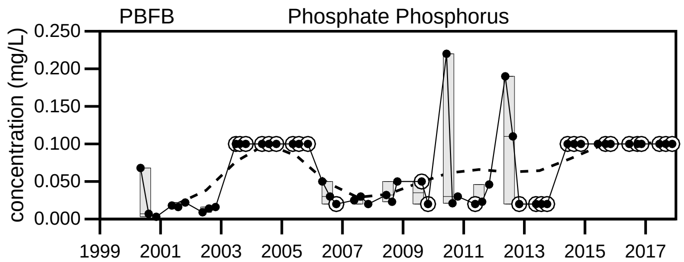
Dolby Landfill

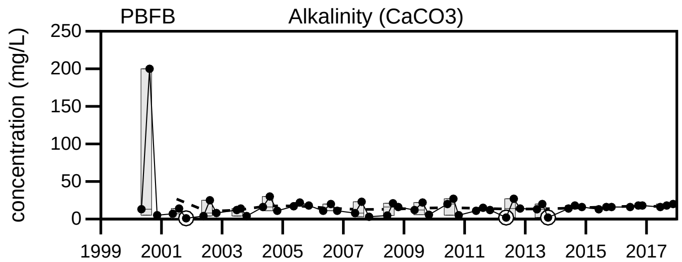
PBFB

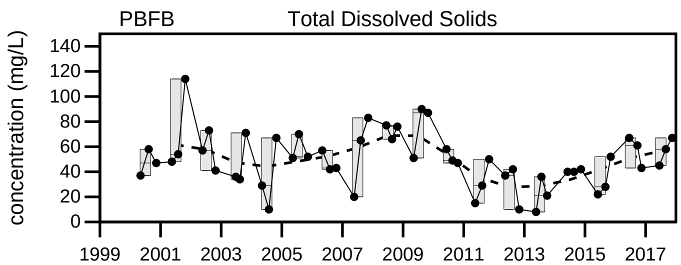
Sevee & Maher Engineers, Inc.

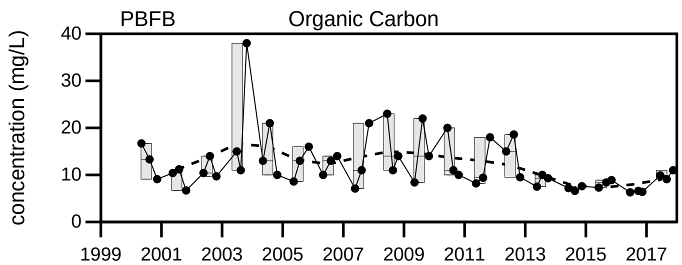


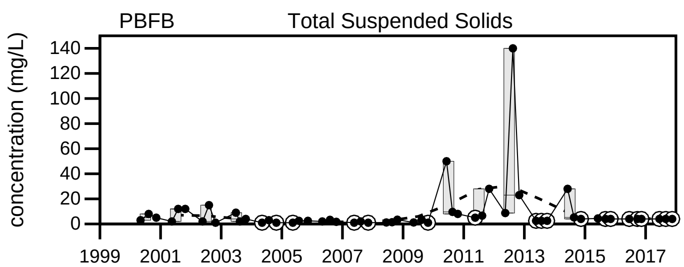


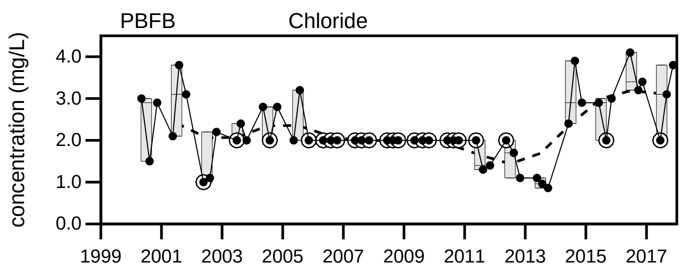


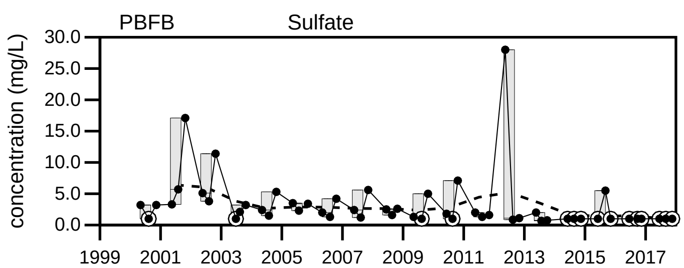


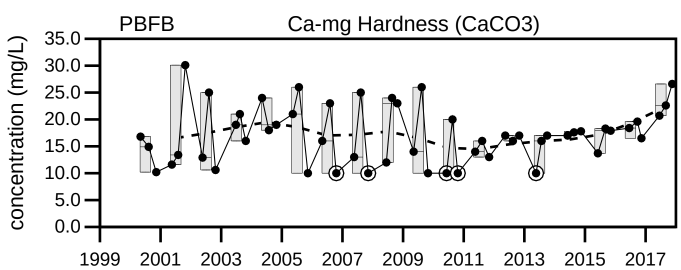












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

- FFT smoothing of yearly mean values.
- Sample Event
- BDL

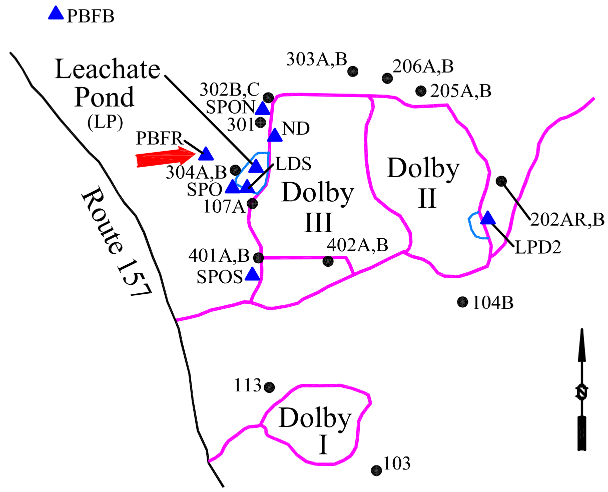
Dolby Landfill

PBFB

Sevee & Maher Engineers, Inc.

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/2000 - 12/31/2017) Min		Max	Mean		SE	n
Copper (mg/L)		0.025 U	0.025 U	0.025 U	0.003 U	to	0.025 U	0.016	±	0.003	15
Specific Conductance (µmhos/cm @25°C)		65	84	89	45	to	133	78	±	7.2	15
pH (STU)		8.2	8.4	7.6	6.3	to	8.6	7.4	±	0.16	15
Dissolved Oxygen (mg/L)		5.4	5.6	↑ 9.7	4	to	9.3	5.8	±	0.4	15
Arsenic (mg/L)		0.008 U	0.008 U	0.008 U	0.005 U	to	0.008 U	0.0068	±	0.000	15
Calcium (mg/L)		6.7	8.62	11	4.4	to	15	7.7	±	0.85	15
Iron (mg/L)		0.253	0.296	↑ **<u>3.15</u>**	0.088	to	2.4	0.51	±	0.15	15
Magnesium (mg/L)		1.8	2.35	2.5	1.2	to	3.1	1.8	±	0.12	15
Manganese (mg/L)		0.0325	0.36	↑ 1.62	0.019	to	0.99	0.26	±	0.087	15
Potassium (mg/L)		1 U	1 U	1.3	1 U	to	2	1.2	±	0.078	15
Sodium (mg/L)		1.69	2.09	2.73	1.2	to	4.76	2.3	±	0.29	15
Ammonia (N) (mg/L)		0.1 U	0.1 U	0.1 U	0.1 U	to	0.2 U	0.14	±	0.013	15
Nitrate (N) (mg/L)		0.05 U	0.5	↑ 0.86	0.05 U	to	0.5	0.22	±	0.047	15
Phosphate Phosphorus (mg/L)		0.1 U	0.1 U	0.16	0.02 U	to	1.1	0.16	±	0.068	15
Total Dissolved Solids (mg/L)		46	72	↑ 99	30	to	85	50	±	4.2	15
Total Suspended Solids (mg/L)		4 U	↑ 18	↑ 190	2.5 U	to	16	5.7	±	1	15
Sulfate (mg/L)		1 U	1 U	↑ 25	0.82	to	14	4	±	1.1	15
Ca-mg Hardness (CaCO3) (mg/L)		24.2	31.2	37.8	16	to	50	27	±	2.5	15
Bicarbonate (CaCO3) (mg/L)		18	22	↓ 5.1	14	to	45	24	±	2.4	15
Alkalinity (CaCO3) (mg/L)		18	22	↓ 5.1	14	to	45	24	±	2.4	15
Organic Carbon (mg/L)		9.1	9.7	11	3.9	to	16.9	7.5	±	0.77	15
Chloride (mg/L)		3.4	3.1	4.3	1	to	6.3	3.2	±	0.39	15

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

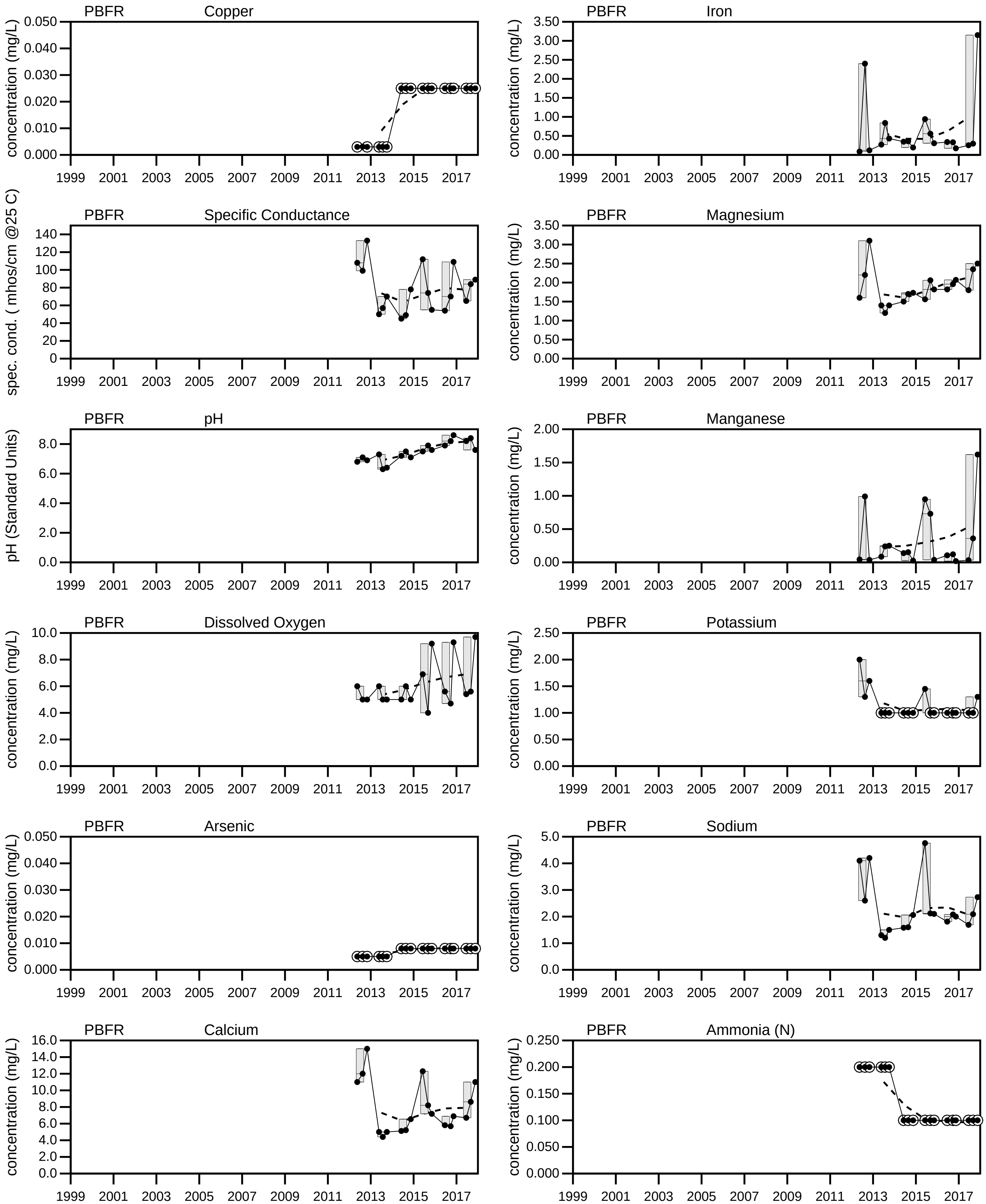
Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

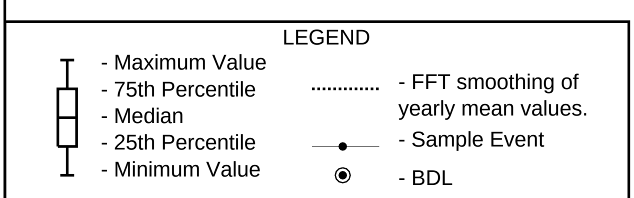
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

U= Not Detected above the reported sample detection limit.

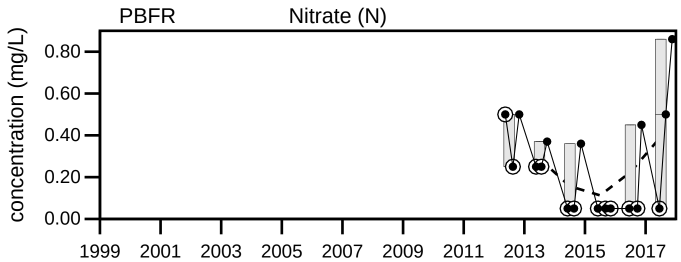


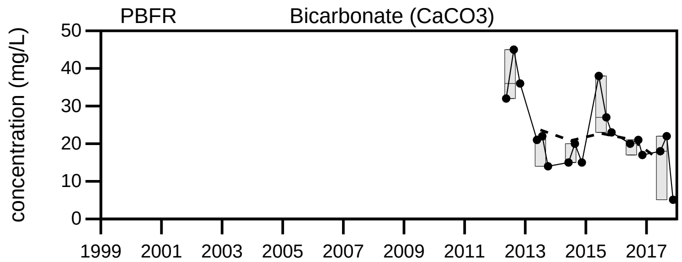


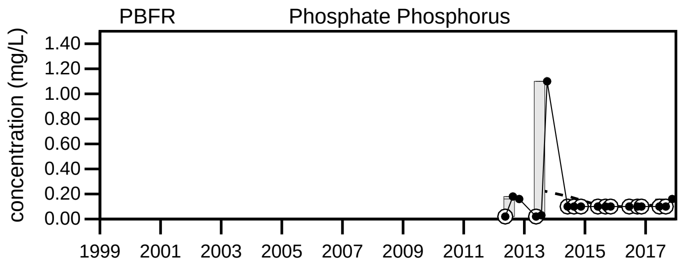
Dolby Landfill

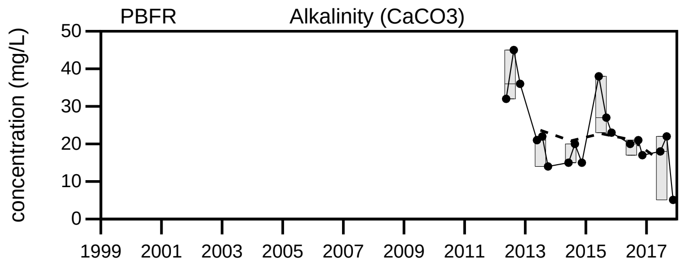
PBFR

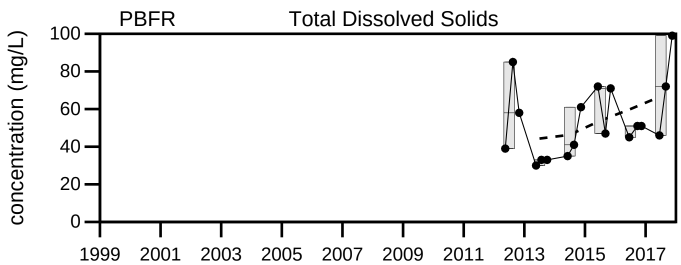
Sevee & Maher Engineers, Inc.

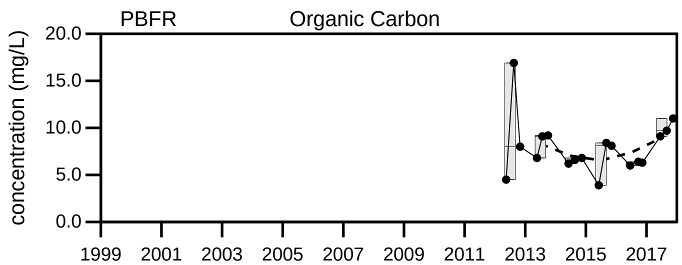


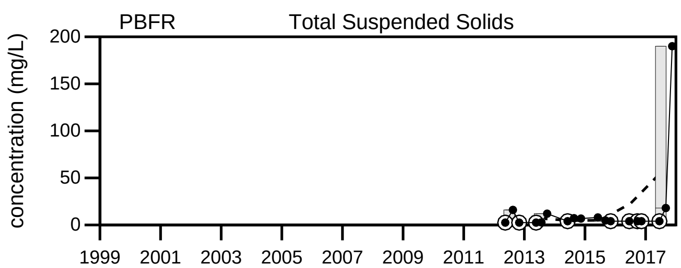


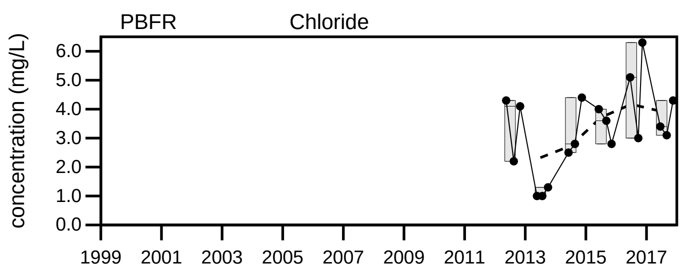


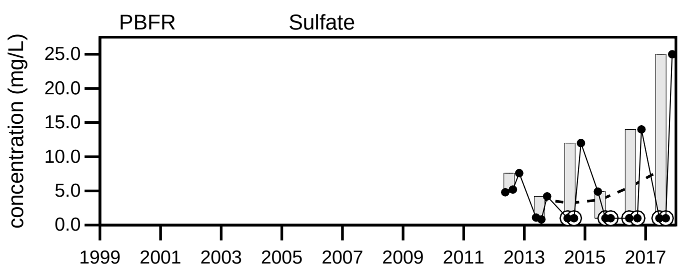


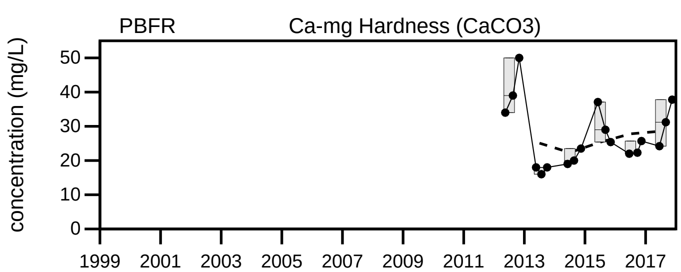


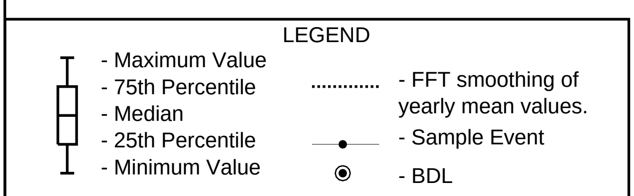












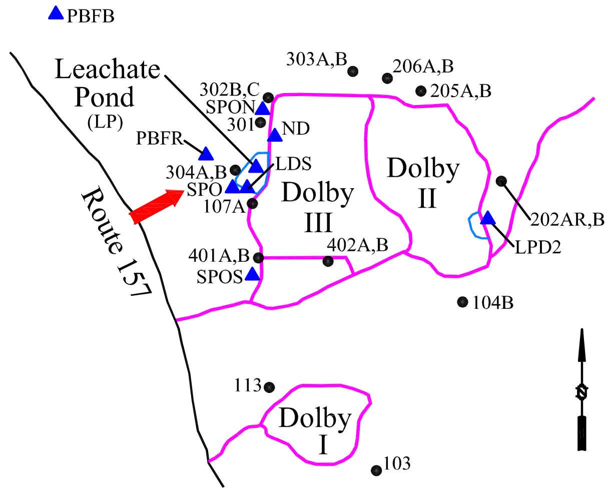
Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/2000 - 12/31/2017) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		I	D	D	72	to	196	160	±	15	19
pH (STU)		I	D	D	5.83	to	8.71	7.2	±	0.13	19
Dissolved Oxygen (mg/L)		I	D	D	2.3	to	10	6	±	0.51	19
Arsenic (mg/L)		I	D	D	0.005 U	to	0.008 U	0.0055	±	0.000	19
Calcium (mg/L)		I	D	D	8.4	to	36	16	±	1.8	19
Iron (mg/L)		I	D	D	0.3	to	5.7	1.1	±	0.26	19
Magnesium (mg/L)		I	D	D	1 U	to	4.7	2	±	0.21	19
Manganese (mg/L)		I	D	D	0.036	to	3.6	0.44	±	0.18	19
Potassium (mg/L)		I	D	D	1 U	to	7	2.7	±	0.37	19
Sodium (mg/L)		I	D	D	1.2	to	8.7	6	±	0.94	19
Ammonia (N) (mg/L)		I	D	D	0.1 U	to	0.21	0.17	±	0.01	19
Nitrate (N) (mg/L)		I	D	D	0.05 U	to	2 U	0.88	±	0.18	19
Phosphate Phosphorus (mg/L)		I	D	D	0.02 U	to	0.12	0.1	±	0.028	18
Total Dissolved Solids (mg/L)		I	D	D	43	to	140	85	±	5.4	19
Total Suspended Solids (mg/L)		I	D	D	0.6 U	to	37	8.5	±	2.4	19
Sulfate (mg/L)		I	D	D	1 U	to	15	10	±	3.8	19
Ca-mg Hardness (CaCO3) (mg/L)		I	D	D	21	to	110	58	±	6.1	19
Bicarbonate (CaCO3) (mg/L)		I	D	D	21	to	75	42	±	4	19
Alkalinity (CaCO3) (mg/L)		I	D	D	21	to	77	43	±	4.1	19
Organic Carbon (mg/L)		I	D	D	9.3	to	18	16	±	2.4	19
Chloride (mg/L)		I	D	D	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

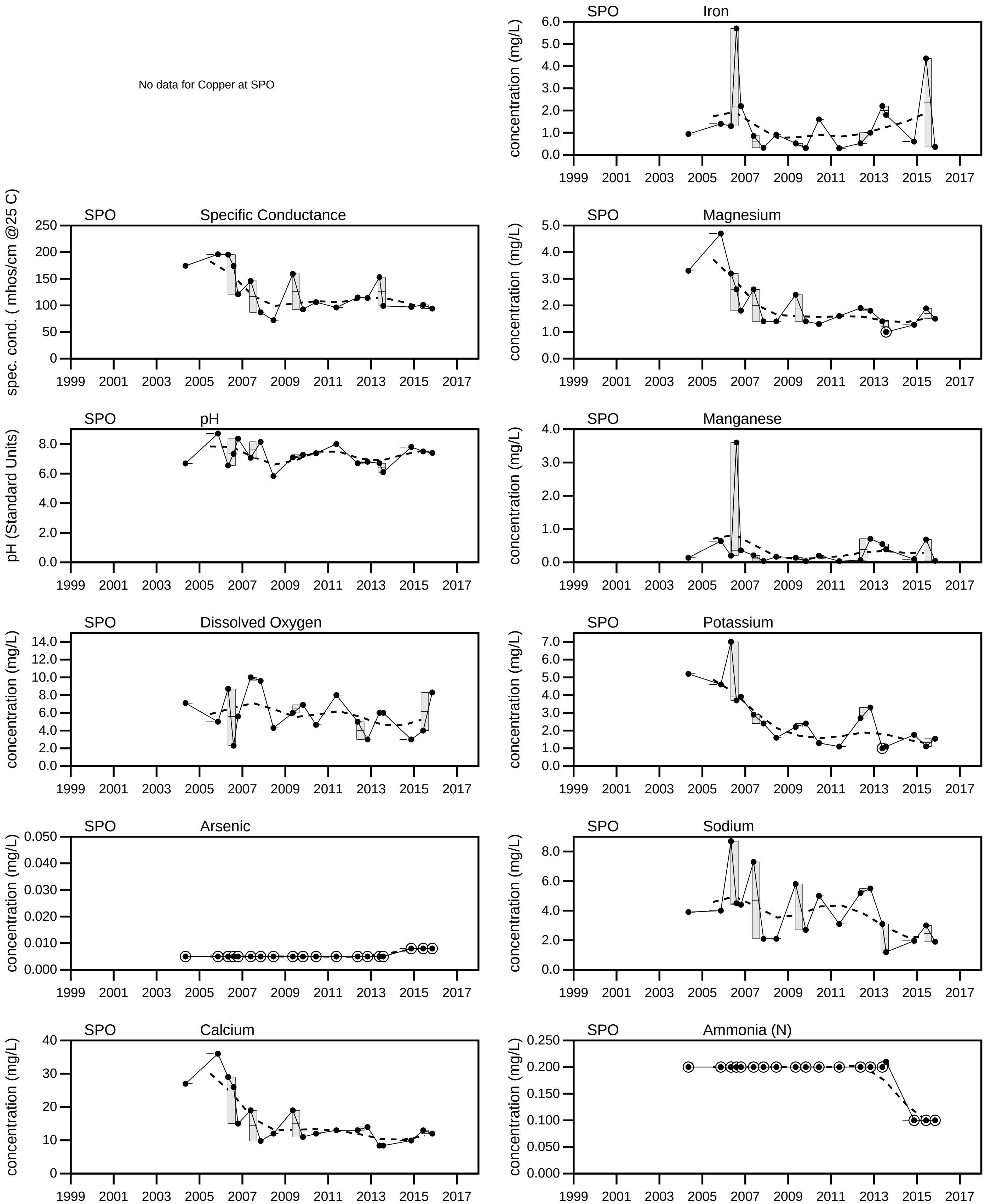
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

D=The sampling location was dry.

I = The sampling location yielded insufficient quantity to collect a sample.



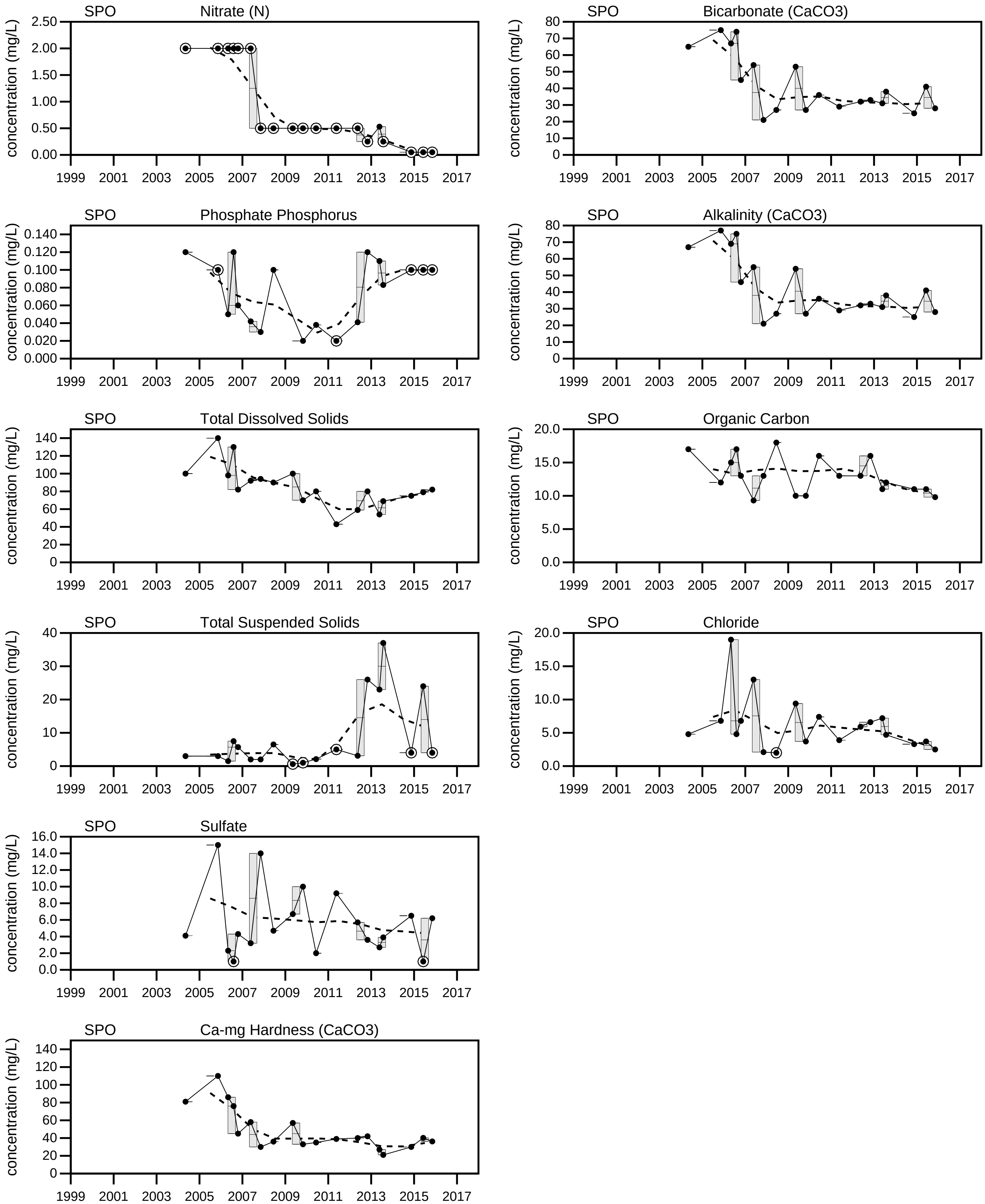
LEGEND

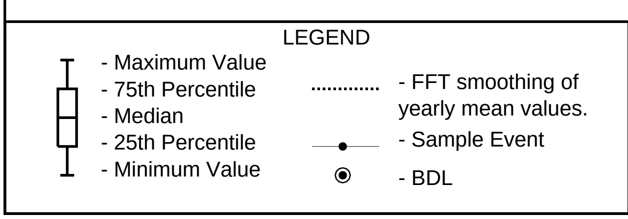
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

SPO

Sevee & Maher Engineers, Inc.





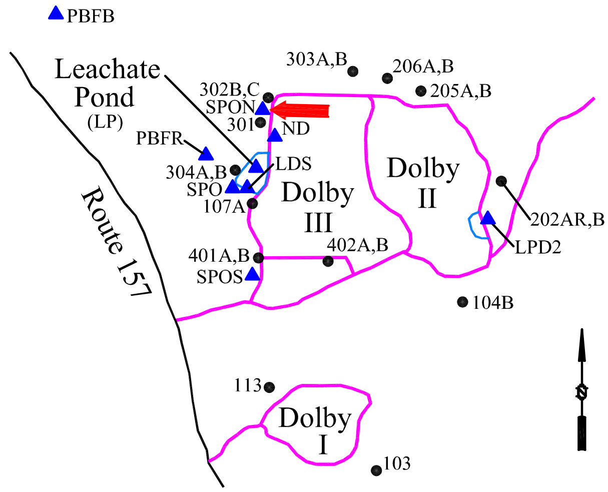
Dolby Landfill

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	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/2000 - 12/31/2017) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		647	D	1033	287	to	1483	640	±	47	30
pH (STU)		7.7	D	7.1	6.2	to	8.03	7.2	±	0.079	30
Dissolved Oxygen (mg/L)		5.2	D	↑ 11.5	2	to	10.6	5.8	±	0.38	29
Arsenic (mg/L)		0.008 U	D	0.008 U	0.0016 U	to	0.008 U	0.0057	±	0.000	30
Calcium (mg/L)		94	D	185	37	to	200	85	±	6.9	30
Iron (mg/L)		0.199	D	0.17	0.15	to	8.66	1.8	±	0.39	30
Magnesium (mg/L)		34.7	D	33.3	5.6	to	61	22	±	2.1	30
Manganese (mg/L)		0.692	D	0.383	0.198	to	17	5.7	±	0.83	30
Potassium (mg/L)		5.83	D	9.4	3.8	to	82	17	±	2.5	30
Sodium (mg/L)		21.7	D	15.6	2.7	to	36	14	±	1.4	30
Ammonia (N) (mg/L)		0.1 U	D	0.11	0.1 U	to	2.3	0.61	±	0.11	30
Nitrate (N) (mg/L)		0.096	D	0.085	0.05 U	to	18	1.3	±	0.59	30
Phosphate Phosphorus (mg/L)		0.1 U	D	0.1 U	0.02 U	to	0.5	0.093	±	0.016	29
Total Dissolved Solids (mg/L)		440	D	750	140	to	960	400	±	32	30
Total Suspended Solids (mg/L)		4 U	D	4 U	1 U	to	30	8.3	±	1.5	30
Sulfate (mg/L)		77	D	270	1 U	to	380	33	±	13	30
Ca-mg Hardness (CaCO3) (mg/L)		378	D	600	130	to	750	300	±	25	30
Bicarbonate (CaCO3) (mg/L)		300	D	300	105	to	640	280	±	21	30
Alkalinity (CaCO3) (mg/L)		300	D	300	110	to	670	290	±	21	30
Organic Carbon (mg/L)		17	D	17	9.2	to	30	15	±	0.85	30
Chloride (mg/L)		13	D	14	2.9	to	49	23	±	2.2	30

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

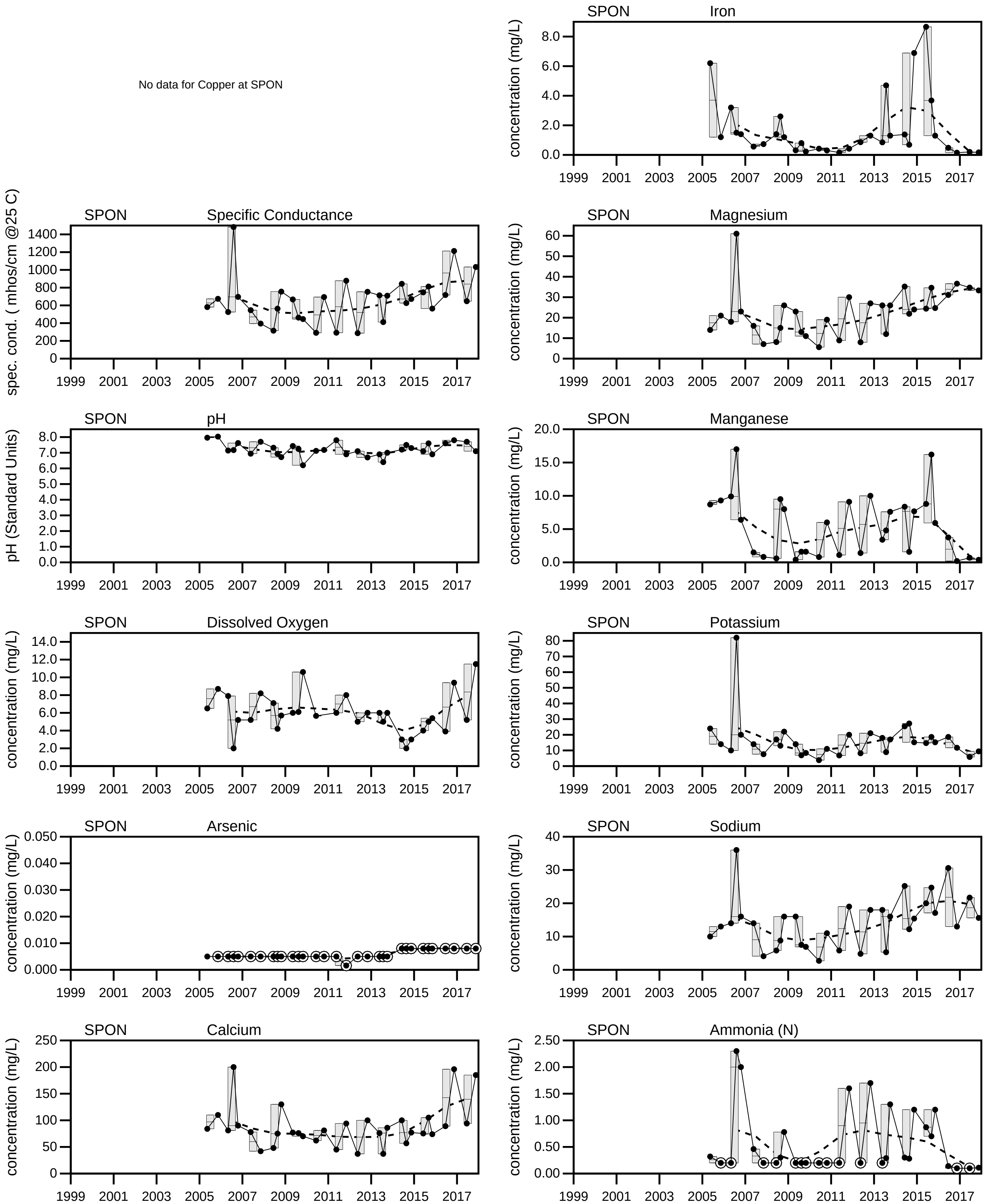
Applicable Limits:
Chloride MFCCC=230 mg/L, Ammonia (N) MFCCC=3 mg/L, Iron MFCCC=1 mg/L, Copper MFCCC=0.00236 mg/L, Arsenic MFCCC=0.15 mg/L

↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

Comments

Q2= June 2017 Q3= August 2017 Q4= November 2017

D=The sampling location was dry. U= Not Detected above the reported sample detection limit.



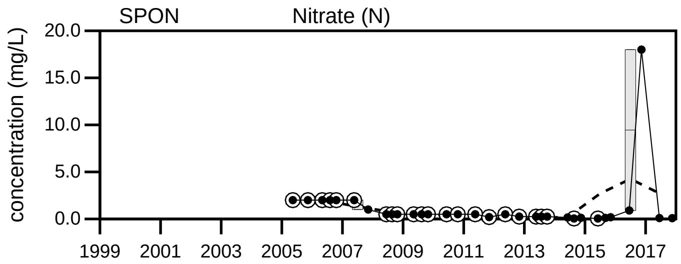
LEGEND

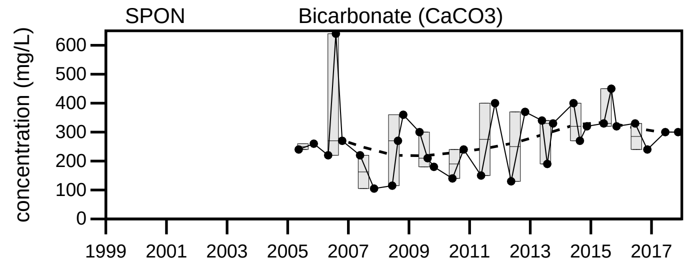
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

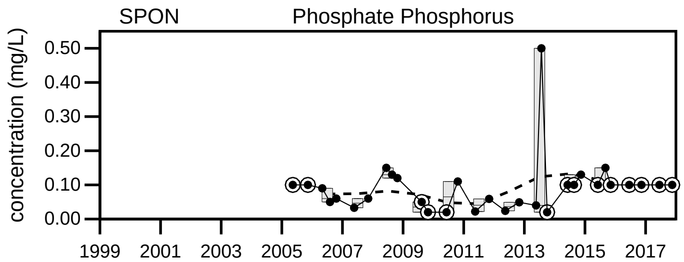
Dolby Landfill

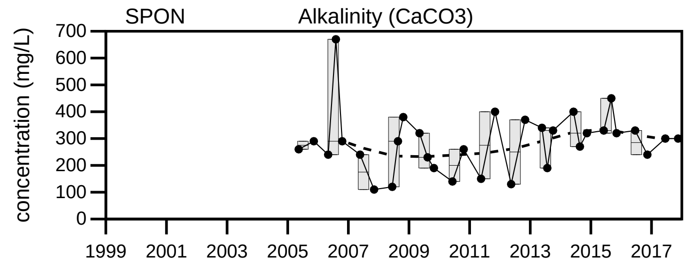
SPON

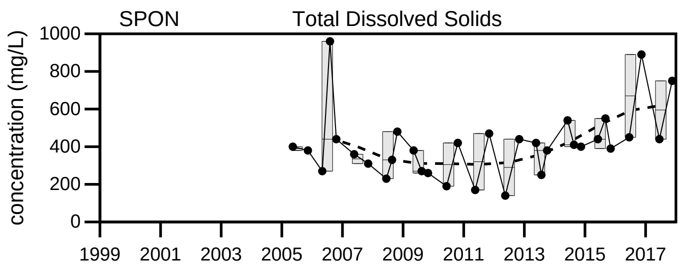
Sevee & Maher Engineers, Inc.

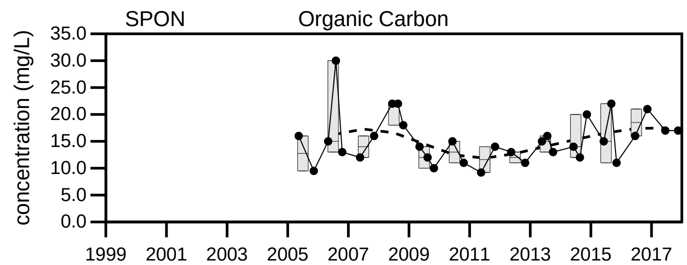


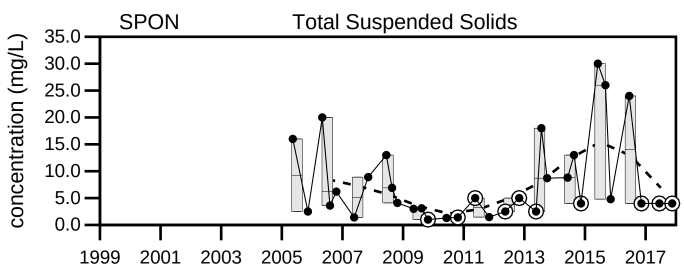


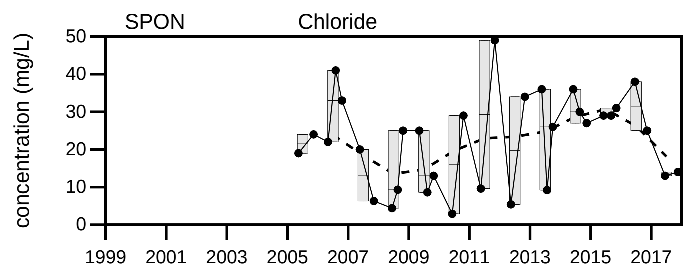


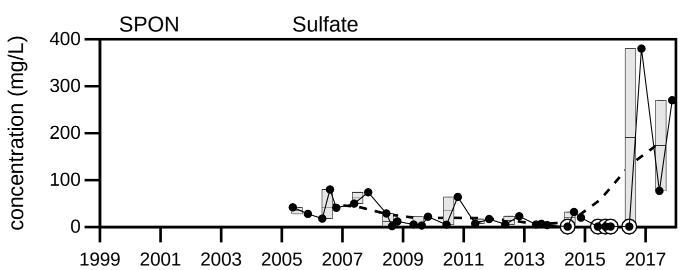


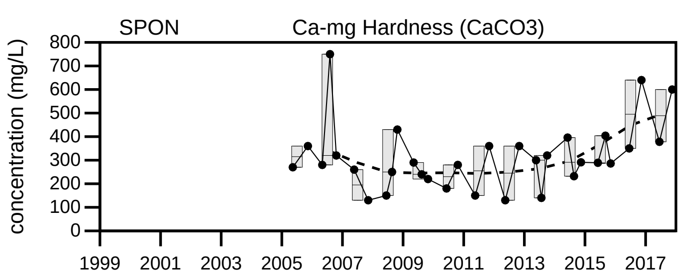












LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

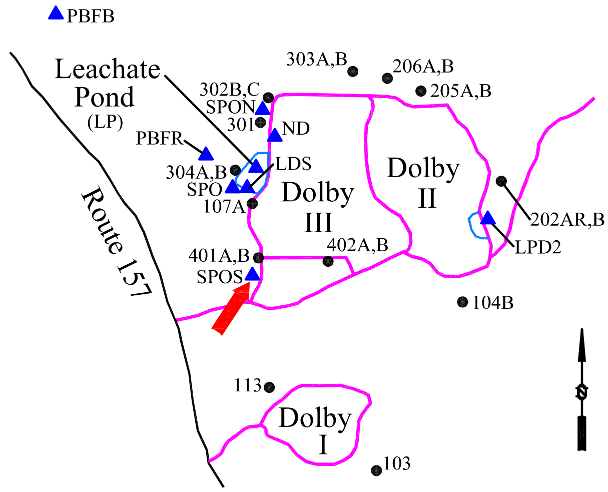
Dolby Landfill

SPON

Sevee & Maher Engineers, Inc.

Well Description

Siltation Pond South



Sampled: **3 times annually**

Sampled Since: **May-05**

Sampling Method: **Grab**

Chemical Summary

Indicator Parameters	2017 Q1	2017 Q2	2017 Q3	2017 Q4	Historical (1/1/2000 - 12/31/2017) Min		Max	Mean		SE	n
Specific Conductance (µmhos/cm @25°C)		172	D	155	88	to	261	140	±	7.6	31
pH (STU)		8.1	D	7.6	6.4	to	8.8	7.4	±	0.11	31
Dissolved Oxygen (mg/L)		5.8	D	9.4	2	to	12.1	6.7	±	0.44	31
Arsenic (mg/L)		0.008 U	D	0.008 U	0.0016 U	to	0.008 U	0.0056	±	0.000	31
Calcium (mg/L)		20.6	D	14.9	10	to	58	19	±	1.7	31
Iron (mg/L)		0.218	D	0.1 U	0.045	to	25	1.6	±	0.85	31
Magnesium (mg/L)		4.99	D	4.35	3.1	to	12	5.2	±	0.33	31
Manganese (mg/L)		0.131	D	0.0785	0.01 U	to	5.34	0.81	±	0.28	31
Potassium (mg/L)		1 U	D	1	0.84	to	4.9	1.5	±	0.15	31
Sodium (mg/L)		3.11	D	2.94	1.5	to	36	4.5	±	1.1	31
Ammonia (N) (mg/L)		0.1 U	D	0.1 U	0.082 U	to	0.2 U	0.17	±	0.008	31
Nitrate (N) (mg/L)		0.05 U	D	0.05 U	0.05 U	to	2 U	0.7	±	0.13	31
Phosphate Phosphorus (mg/L)		0.1 U	D	0.1 U	0.0079	to	0.13	0.05	±	0.007	30
Total Dissolved Solids (mg/L)		93	D	82	16	to	160	94	±	6.4	31
Total Suspended Solids (mg/L)		4 U	D	4 U	0.32 U	to	8.3 U	2.7	±	0.4	31
Sulfate (mg/L)		1 U	D	7.6	0.58	to	39	5.1	±	1.4	31
Ca-mg Hardness (CaCO3) (mg/L)		72	D	55.2	38	to	190	68	±	5.4	31
Bicarbonate (CaCO3) (mg/L)		71	D	43	34	to	100	59	±	3.7	31
Alkalinity (CaCO3) (mg/L)		71	D	43	34	to	100	60	±	3.7	31
Organic Carbon (mg/L)		8.2	D	8	7.2	to	15	10	±	0.43	31
Chloride (mg/L)		2 U	D	4	1.1	to	11	3.5	±	0.35	31

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

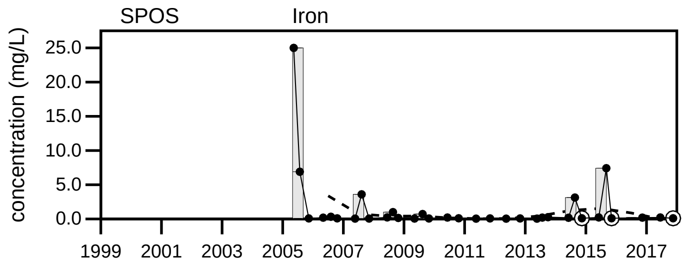
↑ indicates a value greater than the historical maximum value; ↓ indicates a value less than the historical minimum value.

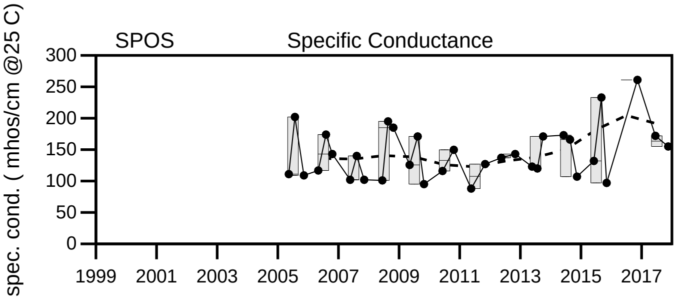
Comments

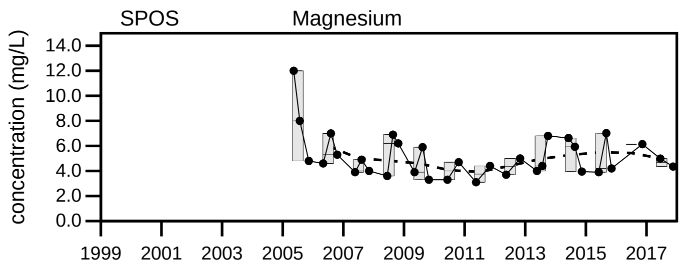
Q2= June 2017 Q3= August 2017 Q4= November 2017

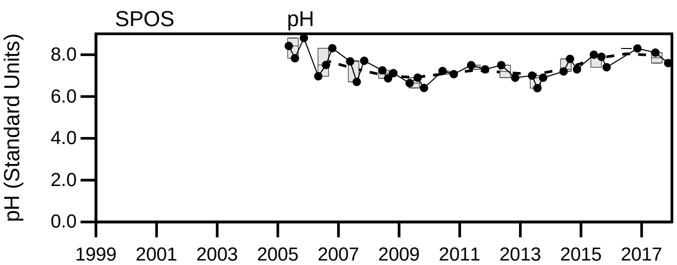
D=The sampling location was dry. U= Not Detected above the reported sample detection limit.

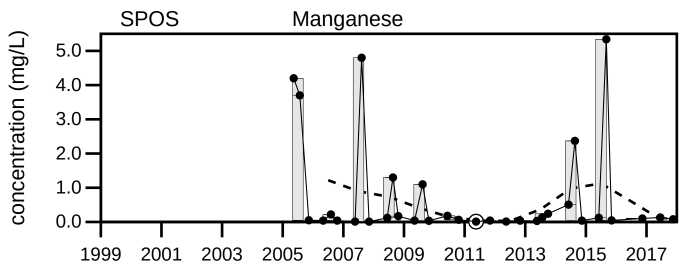
No data for Copper at SPOS

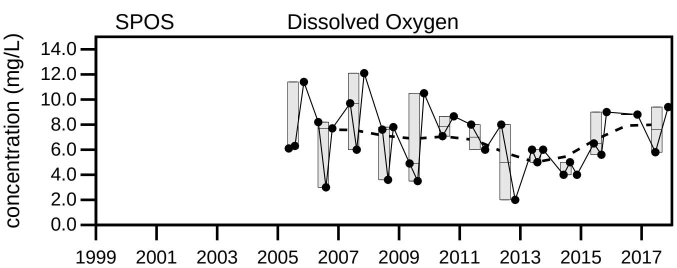


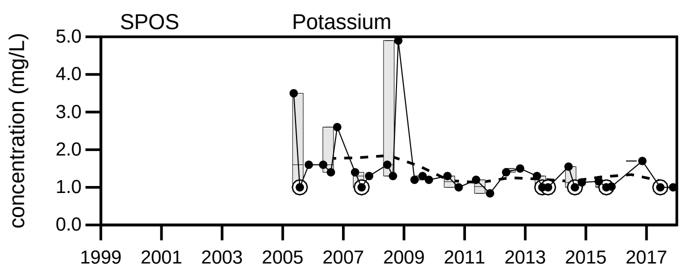


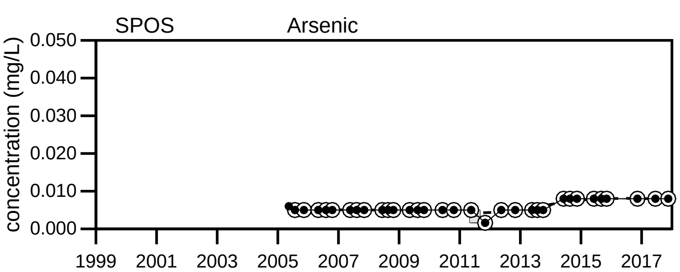


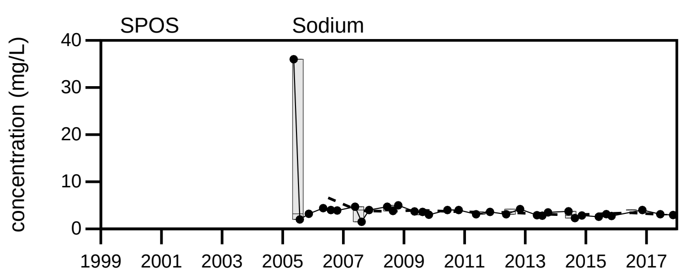


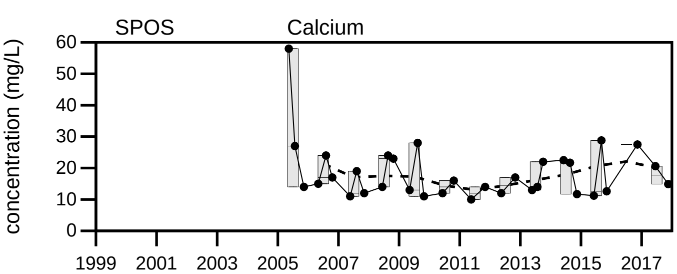


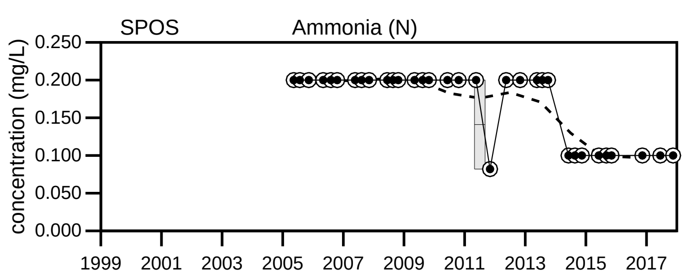












LEGEND

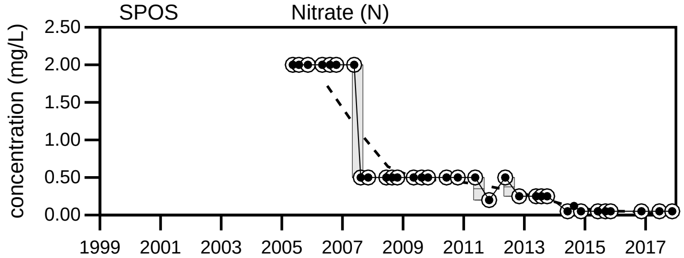
- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value
- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

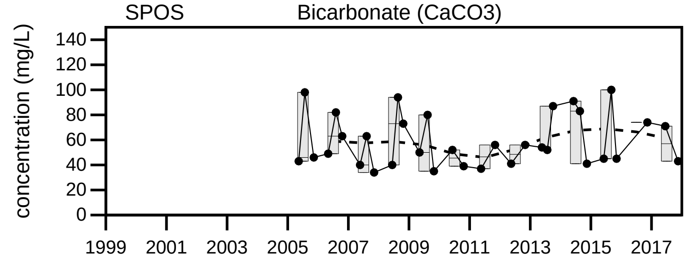
SPOS

Sevee & Maher Engineers, Inc.

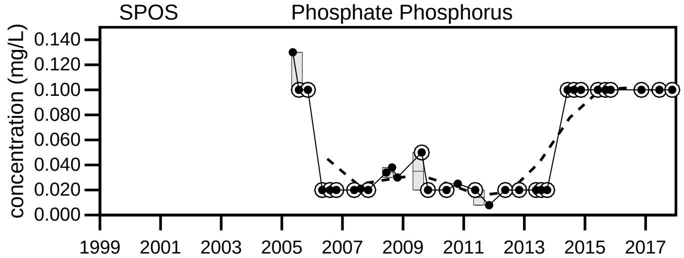
SPOS Nitrate (N)



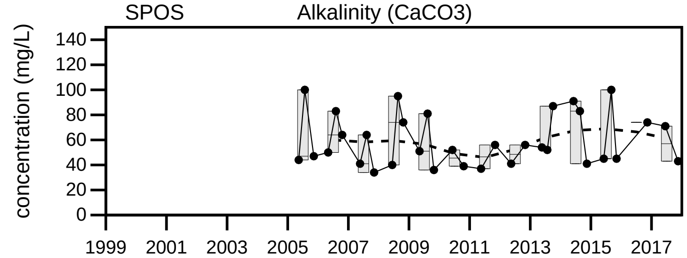
SPOS Bicarbonate (CaCO3)



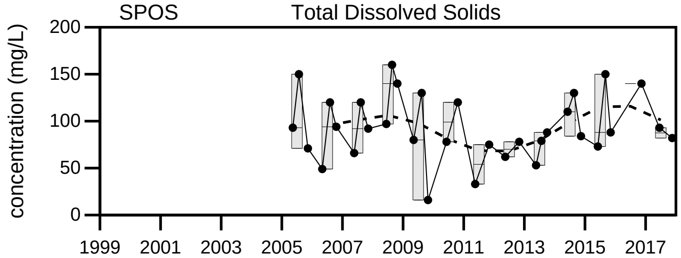
SPOS Phosphate Phosphorus



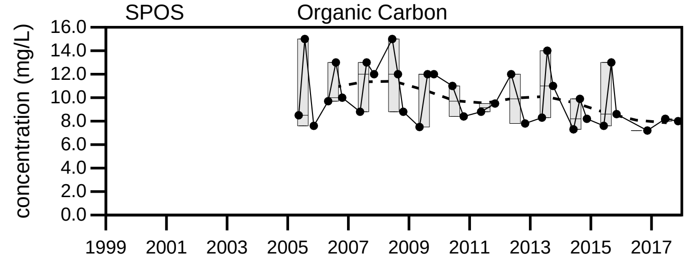
SPOS Alkalinity (CaCO3)



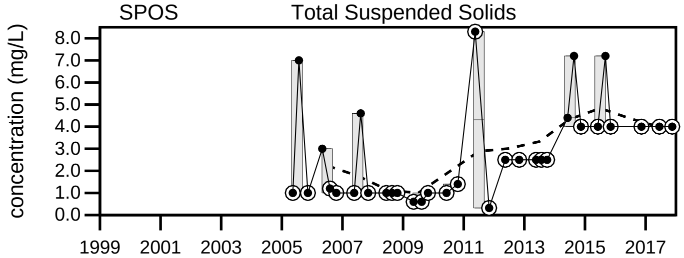
SPOS Total Dissolved Solids



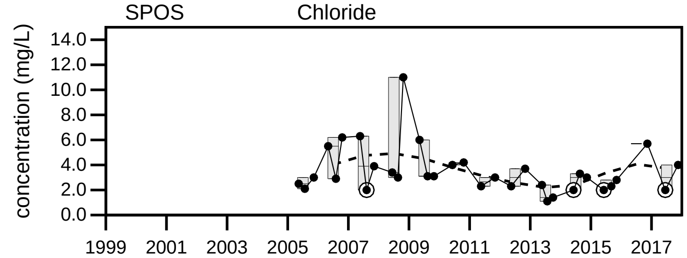
SPOS Organic Carbon



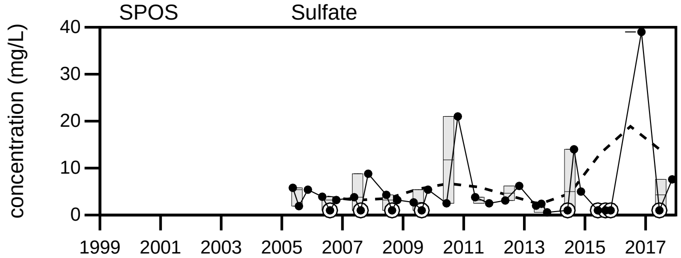
SPOS Total Suspended Solids



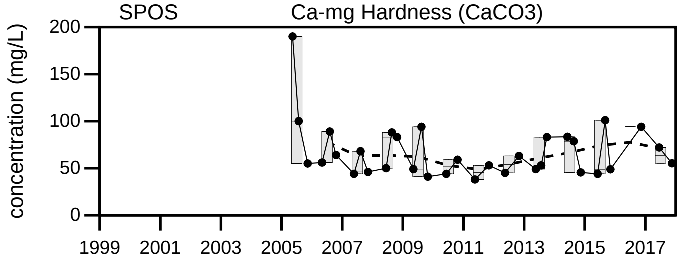
SPOS Chloride



SPOS Sulfate



SPOS Ca-mg Hardness (CaCO3)



LEGEND

- Maximum Value
- 75th Percentile
- Median
- 25th Percentile
- Minimum Value

- FFT smoothing of yearly mean values.
- Sample Event
- BDL

Dolby Landfill

SPOS

Sevee & Maher Engineers, Inc.

APPENDIX C-3

GAS DATA

SME
SEVEE & MAHER
ENGINEERS

REPORT PREPARED: 4/12/2018 08:05

FOR: Dolby Landfill

SUMMARY REPORT

Landfill Gas Monitoring

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

(107B)

107B

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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

CB-13

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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
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

CB-21

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
5/17/2011	2.2	0.1	11	0

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

(CB-21)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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

CB-22

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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
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

CB-30

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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

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

(CB-30)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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	!	!	!	!

CB-35

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
5/17/2011	0.1 US	0.1 US	0	0
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

CB-39

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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

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

(CB-39)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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
11/13/2017	0.1 US	0.1 US	0	0

CB-4

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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

CB-43

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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

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
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
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
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
CB-6A				
5/17/2011	2.9	0.1 US	0	0
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

REPORT PREPARED: 4/12/2018 08:05

FOR: Dolby Landfill

SUMMARY REPORT

Landfill Gas Monitoring

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

(CB-6A)

Date	Methane Equivalent % Vol.	Methane Equivalent (Ambient) % Vol.	Hydrogen Sulfide ppm	Hydrogen Sulfide (Ambient) ppm
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

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
11/13/2017	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

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

(LEACHATE SUMP) 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
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
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

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.