Teck Coal Limited
Coal Mountain Operations
PO Box 3000
Sparwood, B.C. Canada V0B 2G0

+1 250 425 6305 Tel
www.teck.com

Annual Report Overview

Report: Coal Mountain Operations Permit 4750 Annual Report 2017 – March 31 2018

Overview: This report summarizes Teck Coal Limited Coal Mountain Operations (CMO) 2017 permitted effluent monitoring program and satisfies the annual reporting requirements for *Environmental Management Act* (*EMA*) Permit 4750 (last amended June 2015).

This report was prepared by Teck.

If you have questions regarding this report, please:

- Phone toll-free to 1.855.806.6854
- Email **feedbackteckcoal@teck.com**

Permit 4750 – Coal Mountain Operations
Annual Report

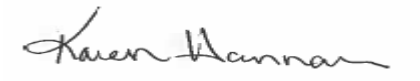
March 31, 2018

Teck

Prepared by:

Jay Jones
Coordinator Environment

Scott Holmgren, MASc
Technician Environmental



Karen Hannan
Senior Coordinator, Environment

Executive Summary

This report summarizes Teck Coal Limited – Coal Mountain Operations 2017 permitted effluent monitoring program and satisfies the annual reporting requirements for *Environmental Management Act* Permit 4750 (amended April 8, 2016 and July 25, 2016). Requirements for Permit 107517 (originally issued on November 19, 2014) will be detailed in a separate annual report.

Total suspended solids concentrations were below permit limits (50 mg/L) for all but one sample collected in 2017 across all discharge locations. In total, 112 total suspended solids samples were collect with 99% being below the 50 mg/L discharge limit.

Total suspended solids and 5-day biochemical oxygen demand concentrations for E206439 (CM_SEW) and extractable petroleum hydrocarbon concentrations for E206437 (CM_WBE) were below permit limits. Daily flows for both locations were below discharge limits.

Consistent with previous years, total suspended solids concentrations and turbidity values were most elevated during the end of May, the beginning of June, and again in October and November, coinciding with freshet flow and increased precipitation in the fall.

In 2017, Coal Mountain Operations dispensed 1674 litres of cationic flocculant and 254.6 litres of anionic flocculant. All anionic flocculant is dispensed with water as a 3% anionic floc solution whereas cationic flocculant is administered at 100% concentration or undiluted.

During 2017, seventeen (17) Provincial Emergency Program spills were reported related to hydrocarbons. Where possible, corrective and/or preventative actions were implemented to address spills and to prevent re-occurrences.

Water management improvements consisted of continued upgrades to the North Ditch Flocculant station, and fish salvage work on the Main Interceptor Sedimentation Ponds such that the ponds and all associated upstream appurtenances can now be considered non-fish bearing. A permanent fish barrier was added to the Main Interceptor Sedimentation Ponds to Corbin Creek discharge just above CM_SPD (E102488) on December 1, 2017.

The Seven Pit Settling Ponds (SPSPs) were decommissioned in 2017. The SPSPs were located southwest of the active mining area and were originally constructed in 1980 to settle out solids from surface water runoff from 7 Pit. A decommissioning design was provided by a qualified professional which included channel sizing to ensure that the restored channels and culverts were adequately designed. Ponds and diversion berms were breached, the original creek channels were restored as closely as possible to their original alignment, and the pond area was regraded to the natural slope. Excavated channels were protected with rip-rap and vegetation treatments are planned to include appropriate trees and shrubs for the riparian zones and surrounding area. Historical channels from which water was diverted will be protected by the vegetation in the channels when flow is reintroduced. Except where re-aligned, they were not armored with additional riprap as they are assumed to be naturally sized for the given drainage areas. Additional culverts were installed under the adjacent forestry road where required. Some additional grading, as well restoration work including planting and seeding with native species, is planned for summer 2018.

Table 1: Exceedances of permit limits and BCWQG in site receiving waters in 2017.

EMS ID	Site ID	Parameter	Permit Limits	Frequency of Exceedance (%)
E102488	CM_SPD	TSS	50 mg/L	0
E206438	CM_CCPD	TSS	50 mg/L	2.5
E298733	CM_PC2	TSS	50 mg/L	0
E206437	CM_WBE	EPH	15	0
		Flow	0.38 m^3/min max 120 m^3/day	0
E206439	CM_SEW	BOD	40 mg/L	0
		TSS	30 mg/L	0
		Flow	56.8 m^3/day	0
E306136	CM_MAX-SHOP	EPH	60 mg/L	0
E306166	CM_PR-SILO	EPH	60 mg/L	0

Table of Contents

List of Figures

List of Tables

1 Description of Mine Operation and Discharges

1.1 Introduction

Teck Coal Limited (Teck) – Coal Mountain Operations (CMO) operates a metallurgical coal mine and processing plant in the southeast corner of British Columbia (BC), approximately 25 kilometres southeast of the town of Sparwood (Figure 1). The CMO property is on 520 hectares (ha) of privately owned land, 260 ha of coal lease land and 2,275 ha of coal license land.

Mining activity at CMO began in 1908 with small, underground mines and continued intermittently as open pit operations with various owners. The existing CMO mining area consists of two private land parcels (numbered 6997 and 6999) and Coal Lease 13, which is held to the south of lot 6997. The surrounding area is held in Coal Licences.

In 2017, CMO produced 2.6 million (M) tonnes of clean coal and mined approximately 2.5 M bank cubic metres of waste rock.

1.2 Overview of Operations

In 2017 CMO operated under Permit 4750 (amended April 8, 2016 and July 25, 2016) and Permit 107517 (originally issued on November 19, 2014), both issued by the BC Ministry of Environment and Climate Change Strategy (ENV). Annual reporting requirements under Permit 4750 will be addressed in this report, while Permit 107517 requirements will be summarized in a separate report submitted concurrently to the Director by March 31, 2018. Required Permit 4750 sampling was conducted at the locations listed in Table 2 and shown in Figure 1.

Previous operations of CMO consisted of operations in four pits. There is only one active pit remaining on the site, which is 6 Pit. Mining in 37 Pit concluded in September 2017. 14 Pit and 34 Pit, previously mined, have been fully(14 Pit) and partially (34 Pit) backfilled with waste rock. The projected end of mine life for the current operations is in the second quarter of 2018. After active mining operations cease, CMO is planned to enter into a period of Care and Maintenance (C&M) for a period of approximately 10 years. Should opportunities arise to process coal from other Teck operations the processing plant at CMO will continue to process coal. The current schedule for C&M is to begin a shutdown of the processing plant between August and December 2018. The shutdown will ensure the processing plant enters the C&M stage in a stable and dormant state. This plan may change if opportunities to process coal from other Teck operations are identified before or during the planned shutdown period.

The infrastructure and processing facilities at CMO represent a valuable asset to Teck and may contribute to existing and future mining operations within the Elk Valley. The C&M stage may be updated based on new information or conditions as they are encountered in future years. In general, the following timelines are associated with the different stages of care and maintenance to closure at CMO:

- **Active Operations** – Ongoing until Q2 2018;
- **Care and Maintenance** – 2018 to 2028;
- **Active Closure** – 2028 to 2036; and
- **Post Closure** – 2036 and beyond.

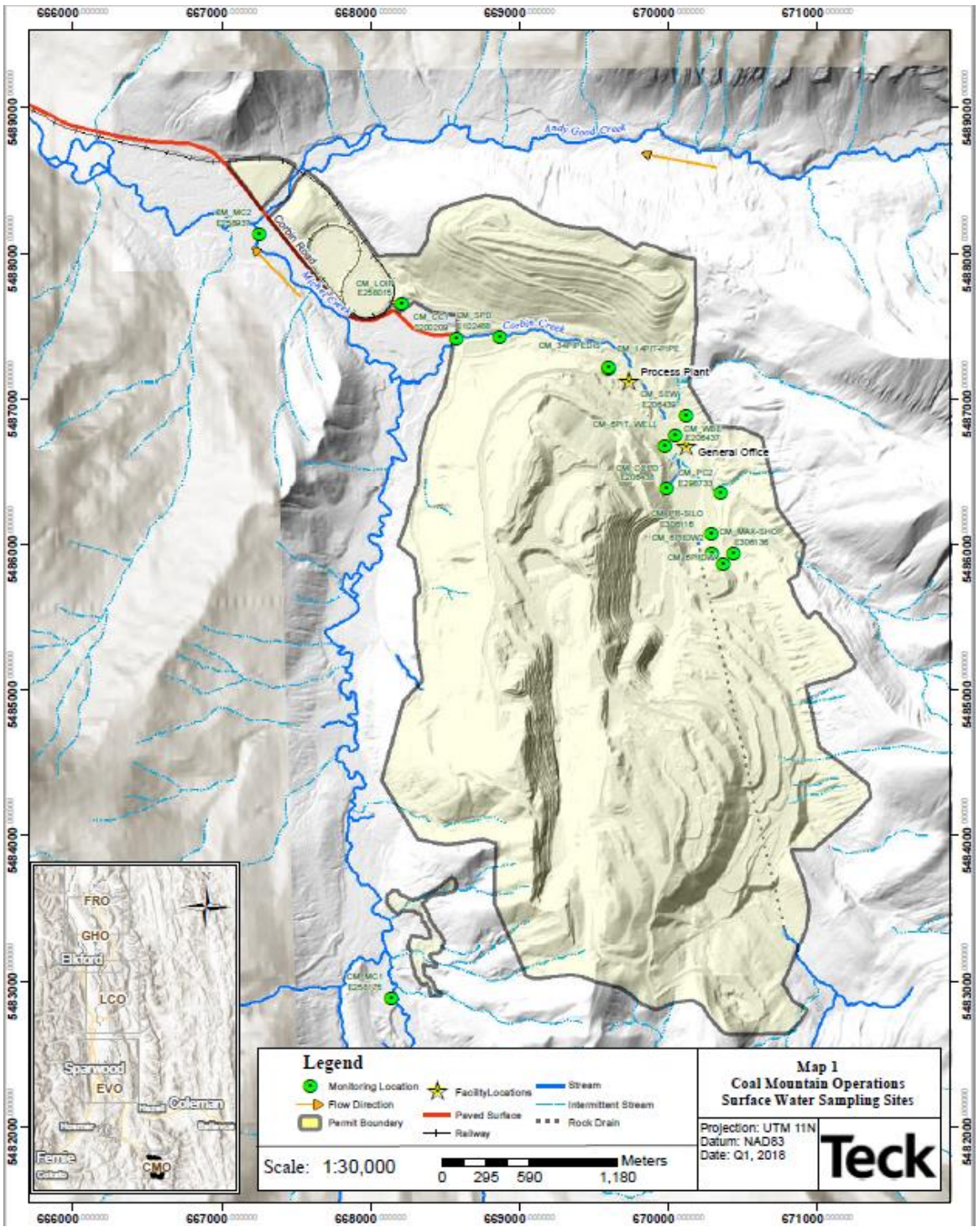


Figure 1: Coal Mountain Operations-surface water sampling sites.

Table 2: Summary of permitted sampling sites.[1]

EMS ID	Site ID	UTM NAD 83 Zone 11		Type	Description
		Easting	Northing		
E102488	CM_SPD	668866.7	5487415.6	Discharge	Decant Discharge from Main Interceptor Sedimentation Ponds to Corbin Creek
E206438	CM_CCPD	670006.7	5486381.8	Discharge	Decant Discharge from Corbin Sedimentation Pond to Corbin Creek
E298733	CM_PC2	670330.5	5486350.0	Discharge	Pengelly Channel to Corbin Creek
E206437	CM_WBE	668520.4	5487363.6	Discharge	Discharge to Maintenance Infiltration ponds
E206439	CM_SEW	668520.4	5487363.6	Discharge	Treated Domestic Effluent
E258015	CM_LOIP	668210.5	5487654.4	Discharge	Loadout Infiltration Ponds
E306136	CM_MAX-SHOP	670403.9	5485937.7	Discharge	Emulsion Shop Sump
E306116	CM_PR-SILO	670249.5	5486057.6	Discharge	Ammonium Nitrate Prill Silo Sump
E258175	CM_MC1	668171.0	5482892.6	Receiving	Michel Creek upstream of Operations
E258937	CM_MC2	667185.8	5488210.7	Receiving	Michel Creek downstream of Operations near Andy Good Creek Junction
200209	CM_CC1	668520.4	5487363.6	Receiving	Corbin Creek near confluence with Michel Creek

1.3 Maintenance of Works

CMO submitted a document to ENV titled “Routine Water Infrastructure Maintenance Requiring MOE Notification” on April 14, 2016. This document includes all routine maintenance conducted on CMO’s authorized works, including mitigation and water quality monitoring, to ensure permit levels are maintained. As agreed with ENV, this document replaces the requirement to submit individual Process Modification Notification (PMN) for all routine maintenance work until the end December 2017. An updated document outlining routine water infrastructure maintenance for current and care and maintenance operations will be submitted to ENV by April 15, 2018 for review.

Fish salvage work was completed on the Main Interceptor Sedimentation Ponds, North ditch and West ditch in September 2017. Follow-up monitoring for fish presence will be conducted in 2018 although at this point all of the above listed discharge monitoring location water bodies (Table 2) are considered to be non-fish bearing based on the successful completion of fish salvage operations.

[1] Summary of monitoring requirements associated with Permit 4750 appendix 3A Coal Mountain Operations Approved Pit Pumping Plans are detailed in Section 4.1.1 of this report.

A permanent fish barrier was added to the Main Interceptor Sedimentation Ponds to Corbin Creek discharge just above CM_SPD (E102488) on December 1, 2017. The purpose of the barrier is to prevent upstream movement of fish into the Main Interceptor Sedimentation Ponds. An authorized bypass was conducted during the work from November 30 to December 2, 2017.

On November 23, 2017, CMO submitted a Notification Report for PE4750 in accordance with Section 2.1 Maintenance of Works and Emergency Procedures for the LOADOUT INFILTRATION PONDS E258015 (*CMO PE4750 Notification- PE4750 Section 2.1 Maintenance of Works and Emergency Procedures*). Permit 4750 allows for discharge of effluent from surface water runoff from the coal load out area into the LOADOUT INFILTRATION PONDS, thence decanting to ground within the rail loop area. The system was inundated with surface water flow on November 23, 2017 due to a 24-hour rain event combined with warm temperatures and melting snow. The water from this infiltration pond system discharges through the decant overflow and into the infiltration ditch along the southeast side of the rail tracks as intended. Flows were observed to be greater then what can be managed by infiltration within this ditch system alone.

To prevent an unauthorized discharge, protect water quality within Michel Creek, and protect infrastructure such as the rail tracks/CMO access road, a pump was used to pump water from the LOAD OUT INFILTRATION PONDS to infiltration ditch system to the northeast along the rail line, which also infiltrates to ground (located within CMO's C84 permit). This effort helped to ease pressure on the infiltration ditch that flows southeast and increased capacity within the pond system. CMO collected monthly water quality samples at LOADOUT INFILTRATION PONDS (E258015) during this pumping as this was the first opportunity to sample the water within the month of November. The pumping system was monitored to ensure effective operation and pumping ceased as of Nov 24, 2017 at approximately 11:02 am as the Loadout infiltration pond was no longer decanting.

No additional work outlined outside of the "Routine Water Infrastructure Maintenance Requiring MOE Notification" was conducted in 2017.

Table 3: Maintenance of works summary.

Notification Date	EMS ID	Site ID	Location	Maintenance Complete
11/23/2017	E258015	CM_LOIP	Loadout Infiltration Ponds	Emergency pumping
11/30/2017	E102488	CM_SPD	Main Interceptor Sedimentation Ponds	Authorized bypass
12/12017	E102488	CM_SPD	Main Interceptor Sedimentation Ponds	Fish Barrier Installation

2 Incidents and Compliance Summary

2.1 Incidents

2.1.1 Incidents Related to Water Quality

Table 4: Summary of incidents related to water.

	Date	Type	Substance	Quantity	Units	Location	Incident Summary	PEP #
1	13-Jul-17	Unauthorized discharge	Treated Sewage effluent	150	L	CM_SEW	Between approximately 17:20 on 13 July, 2017 and 4:00 am on 14 July, 2017 an estimated 150 L of effluent from the Sewage Treatment Plant bypassed the approved treatment works and was discharged to ground, a contractor was called to remove and dispose of the remaining sludge once the spill was noticed.	n/a

Corrective Actions and Additional Comments

The internal investigation into the incident found that the operation of the Sewage Treatment Plant (STP) was impacted by a power outage that occurred at CMO on July 13, 2017. The electrical problem was repaired the same day as the incident. The STP has backup monitoring and alarms in place to prevent plant malfunction during short-term power outages. The first is a visual inspection that occurs at regular intervals of 2 times per shift and second is an alarm email sent to the CMO site personnel which allows for adequate time to initiate off site removal prior to an overflow occurring. The investigation found that the visual inspection of the STP was missed between the hours of 17:20 July 13 and 04:00 July 14. The missed inspection was a result of the night shift employee being diverted to other site needs which resulted from the power outage and then neglecting to circle back to inspect the STP prior to 4:00am. The investigation also found that the overflow alarm email wasn't received by CMO site personnel. A recent software upgrade caused the alarm message to be blocked by Teck's firewall security system therefore CMO site personnel did not receive an email alerting them to check the STP.

The corrective actions taken to address this incident include making the appropriate changes to allow for alarm messages to be received by CMO staff and no longer blocked by internal firewall. Site staff responsible for conducting visual inspections of the STP were provided additional training including review of the STP procedures. The frequency of inspections during such power outages was increased from 2 times per shift to every 4 hours until all alarms are tested and confirmed working. CMO provided ENV a detailed explanation of the investigation results during the August 21, 2017 monthly meeting.

2.1.2 All Other Reportable Spills and Incidents

The B.C. Spill Reporting Regulation is followed when reporting spills onsite. A summary of all spills and incidents reported to Emergency Management B.C. can be found in Appendix D.

2.2 Compliance Summary

2.2.1 CMO Permit 4750

Permit 4750 was amended on April 8, 2016 to authorize Pit Pumping from 34 and 6 pits. The latest amendment (July 25, 2016) added permitted discharges of surface water runoff from the Ammonium Nitrate Prill Silo Sump (E306116) and Emulsion Shop Sump (E306136). A requirement for emulsion facilities surface water management was also included (see Section 6.3 of this report).

CMO has eight (8) authorized discharge sample locations and three (3) receiving environment sample locations under Permit 4750. A complete list of authorized works can be found in Section 1 of the permit under each discharge site.

Monitoring and reporting requirements are specified in Sections 4 and 5 of Permit 4750. There are no permit limits for receiving environment sites in Permit 4750; however, monitoring results must be compared to approved and working BC Water Quality Guidelines for the Protection of Freshwater Aquatic Life (BC WQG FAL) when applicable.

Permit 4750 specifies limits on total suspended solids (TSS), flow, 5-day biochemical oxygen demand (BOD_5), and extractable petroleum hydrocarbons (EPH). Monitoring requirements including field parameters, conventional parameters, major ions, nutrients, total and dissolved metals scan, and toxicity are required under Permit 107517 and will be discussed in the Permit 107517 Annual Report. A summary of Permit 4750 authorized discharge limits is provided in Table 5.

Table 5: Summary of Permit 4750 limits.

EMS ID	Site ID	Parameter	Permit 4750 Limit
E102488	Main Interceptor Sedimentation Ponds (CM_SPD)	Flow	1.5 m^3/s
		TSS	50 mg/L
E206437	Maintenance Infiltration Ponds (CM_WBE)	Flow	0.38 m^3/min to maximum 120 m^3/d
		EPH	15 mg/L
E206438	Corbin Sedimentation Pond (CM_CCPD)	TSS	50 mg/L
		Flow	5.4 m^3/s
E206439	Sewage Treatment	Flow	56.8 m^3/day

EMS ID	Site ID	Parameter	Permit 4750 Limit
	Plant (CM_SEW)	BOD_5	40 mg/L and a 12 month average of 20 mg/L
		TSS	30 mg/L
E298733	Pengelly Channel (CM_PC2)	Flow	2.11 m^3/s
		TSS	50 mg/L
E306136	Emulsion Shop Sump (CM_MAX-SHOP)	EPH	60 mg/L
E306116	Ammonium Nitrate Prill Silo Sump (CM_PR-SILO)	EPH	60 mg/L

2.3 Non-Compliances

On December 7, 2017, Coal Mountain Operations received a Warning letter (072562) outlining non-compliances that occurred in Q1 through Q3, under various sections of Permit 4750. On January 5, 2018 CMO provided ENV with a response letter advising what corrective measures have been taken and what else is being done to bring the authorization into compliance (*CMO_Response_ENV_20171207_IL_WA_72562.pdf*). A summary of Permit 4750 non-compliances that occurred in 2017 are summarized in Table 6. No additional non-compliances were identified Q4, 2017.

Table 6: Summary of Permit 4750 non-compliances.

Non-Compliance #	EMS ID	Site ID	Date	Parameters	Description/Corrective Actions
1	258937	CM_MC2	17-Jan-17	Missing Flow	In the Q1 EMS data upload flow was not provided for this location. Flow was captured just not entered into EQuIS[2] for Q1 reporting nor uploaded to ENV EMS database. This data has been uploaded to EQuIS and BC ENV EMS website as of Nov 7, 2017. The corrective actions that have been implemented are a standardized field data collection form. Field notes are reviewed and scanned promptly after data collection to prevent the loss of information that is recorded in the field. CMO has also updated EQuIS Sample Planning Module to reflect requirements of permit and implemented completeness check tool in EQuIS to help identify missing data on a weekly basis Training has been provided to ensure staff is fully aware of internal procedures, permit conditions and conducting appropriate data checks
2	200209	CM_CC1	15-Mar-17	Missing Field Parameters	Teck's internal data management system was not updated from field notes taken at the time of sample collection. The field notebook is now unattainable, as field notes were captured in a personal field notebook for staff member no longer with the company. CMO communicated to ENV on September 28, 2017 of missing data at EMS location 200209 via submission of a non-compliance notification. The corrective actions that have been implemented are a standardized field data collection form. Field notes are reviewed and scanned promptly after data collection to prevent the loss of information that is recorded in the field. CMO has implemented the following actions to maintain data integrity and to ensure timely reporting of exceedances. • Timely review of field and lab results • EQuIS completeness reports developed • Training has been provided to ensure staff is fully aware of internal procedures, permit conditions and conducting appropriate data checks
3	E298733	CM_PC2	02-May-17 06-Jun-17	Missing TSS/Turbidity	Lab COC parameters were selected incorrectly (thus got left out of analysis) COC's will be generated from the EQuIS Sample Planning Module to avoid human error on manual COC creation.

[2] EQuIS (Environmental Quality Information System) is an advanced environmental data management and decision support system. EQuIS is used to manage data pertaining to environmental chemistry, hydrology, and compliance monitoring activities.

Non-Compliance #	EMS ID	Site ID	Date	Parameters	Description/Corrective Actions
4	E206439	CM_SEW	13-Jul-17	Unauthorized bypass of works	The internal investigation into the incident found that the operation of the Sewage Treatment Plant (STP) was impacted by a power outage that occurred at CMO on July 13, 2017. The electrical problem was repaired the same day as the incident. The STP has backup monitoring and alarms in place to prevent plant malfunction during short-term power outages. The first is a visual inspection that occurs at regular intervals of 2 times per shift and second is an alarm email sent to the CMO site personnel which allows for adequate time to initiate off site removal prior to an overflow occurring. The investigation found that the visual inspection of the STP was missed between the hours of 17:20 July 13 and 04:00 July 14. The missed inspection was a result of the night shift employee being diverted to other site needs which resulted from the power outage and then neglecting to circle back to inspect the STP prior to 4:00am. The investigation also found that the overflow alarm email wasn't received by CMO site personnel. A recent software upgrade caused the alarm message to be blocked by Teck's firewall security system therefore CMO site personnel did not receive an email alerting them to check the STP. The corrective actions taken to address this incident include making the appropriate changes to allow for alarm messages to be received by CMO staff and no longer blocked by internal firewall. Site staff responsible for conducting visual inspections of the STP were provided additional training including review of the STP procedures. The frequency of inspections during such power outages was increased from 2 times per shift to every 4 hours until all alarms are tested and confirmed working. CMO provided ENV a detailed explanation of the investigation results during the August 21, 2017 monthly meeting.
5	E206438	CM_CCPD	25-Jul-17	TSS exceedance	CMO communicated to ENV on September 28, 2017 of a TSS exceedance of 58.2 mg/L at EMS location 206438 which was recorded on July 28, 2017 via submission of a non-compliance notification. CMO had a teleconference with ENV October 5, 2017 in which a detailed description of the TSS exceedance was provided and discussed. During the previous communication CMO indicated to ENV that the field turbidity taken at the time of the sample was 5.43 NTU and lab turbidity was 10.4 NTU which indicates the sample was not turbid. The slight exceedance may have been a result of debris entering the sample as a result of very low flows. The original chain of custody and field notes for the July 25, 2017 sample have been previously provided to ENV. CMO has implemented the following actions to maintain data integrity and to ensure timely reporting of exceedances. • Timely review of lab results • EQuIS exceedance alerts are being sent to all team members • Training has been provided to ensure staff is fully aware of internal procedures, permit conditions and conducting appropriate data checks

Non-Compliance #	EMS ID	Site ID	Date	Parameters	Description/Corrective Actions
6	E206437	CM_WBE	Q3	Flow value not uploaded to ENV EMS database within 30 days of end of quarter.	The missing flow data was submitted to the BC ENV EMS database on December 21, 2017 at 13:17:10. The flow was not included within the original submission, due to a configuration error with the CMO EQuIS EMS report tool. CMO had new staff join the team prior to Q3 reporting and there was no opportunity for transition with previous staff. The environmental staff member tasked with performing the data uploads for Q3 2017 was not aware that on previous submissions the corresponding flow values were manually entered into the EMS report upload file. The report will be reconfigured to include this data on future submissions.
7	E206439	CM_SEW	Q3	Missing Quarterly Reporting Requirement	The STP spill was not included in the Q3 report as an oversight as site reported incident as an unauthorized discharge as volume of spill was less than 200 L and did not identify it as requiring further reporting in the quarterly report. The incident occurred almost entirely within the building containment structures with a small amount (~150 L) leaking onto a gravel pad between the two STP buildings. The incident was fully contained on a gravel pad and immediately cleaned-up. Going forward, CMO will provide details of spills (regardless of volume) and unauthorized discharges associated with their permit in future quarterly effluent reports

2.4 Missing and Unattainable Data

All monitoring is conducted in accordance with Permit 4750. When data is not obtained it is categorized as either missing data or unattainable data. Missing data are the result of operator error (e.g., miscommunication, or sampling planning errors). Unattainable data is when circumstances prevent the collection of water samples from authorized discharges or receiving environment sampling sites. Such circumstances are generally out of Teck's control and include, but are not limited to, unsafe sampling conditions, no flow due to freezing conditions, or cessation of discharge activities.

Table 7: Summary of missing data.

Date	EMS ID	Location Code	Parameters	Reason
3/15/2017	200209	CM_CC1	Field Parameters	Human error
5/2/2017	E298733	CM_PC2	TSS/Turbidity	The chain of custody parameters were selected incorrectly therefore were not analysis for
6/6/2017	E298733	CM_PC2	TSS/Turbidity	The chain of custody parameters were selected incorrectly therefore were not analysis for
7/4/2017	E206439	CM_SEW	Turbidity	Turbidity was not analyzed by Lab due to COC naming convention error

Missing data identified for 200209 (CM_CC1) on March 15, 2017 was a result of human error. Teck's internal data management system was not updated from field notes taken at the time of sample collection. The field notebook is now unattainable, as field notes were captured in a personal field notebook for staff member no longer with the company. CMO communicated to ENV on September 28, 2017 of missing data at EMS location 200209 via submission of a non-compliance notification.

Missing data identified for location E298733 (CM_PC2) on May 2, 2017 and June 6, 2017 were a result of human error. Additional training occurred to ensure staff is fully aware of internal procedures, permit conditions and conducting appropriate data checks. A detailed EQuIS based Sample Planning Module (SPM) has been implemented and chain of custody forms are created directly from this tool reducing the likelihood of human error.

During quarterly review of monitoring data, it was discovered that a turbidity sample had not been collected at the Treated Domestic Effluent E206439 (CM_SEW) for the month of July 2017. All other parameters were sampled. COC's are now generated from SPM in EQuIS to decrease the potential of human error on manual COC creation. SPM standardizes the naming schema for specific analysis packages commonly used by Teck; ensuring labs understand all analysis to be completed. Training has been provided to ensure staff is fully aware of internal procedures, permit conditions and conducting appropriate data checks.

CMO has implemented the following actions to maintain data integrity and to ensure timely reporting of exceedances.

- Timely review of field and lab results;
- Implementation of EQuIS Sample Planning Module for all planned sampling events;
- EQuIS completeness reports developed to identify missed analysis immediately; and
  Training has been provided to ensure staff is fully aware of internal procedures, permit conditions and conducting appropriate data checks.

Table 8: Summary of unattainable data.

Date	EMS ID	Location Code	Parameters	Reason
01/06/2017 02/03/2017 03/02/2017	E298733	CM_PC2	Water Quality	CM_PC2 was visited on additional days during the quarter but there was no observable flow due to colder temperatures and lack of rainfall.
7/12/2017-7/25/2017	E298733	CM_PC2	Water Quality	No flow present
August 2017 (Monthly)	E298733	CM_PC2	Water Quality	No flow present
September 2017 (Monthly)	E298733	CM_PC2	Water Quality	No flow present
7/5/2017	-	CM_6PitDW	Water Quality	Not pumping
7/25/2017	-	CM_6PitDW	Water Quality	Not pumping
8/1/2017-8/29/2017	-	CM_6PitDW	Water Quality	Not pumping
9/5/2017	-	CM_6PitDW	Water Quality	Not pumping
9/19/2017-9/26/2017	-	CM_6PitDW	Water Quality	Not pumping

Date	EMS ID	Location Code	Parameters	Reason
8/8/2017-8/15/2017	E206438	CM_CCPD	Water Quality	6PIT Not pumping
8/29/2017	E206438	CM_CCPD	Water Quality	6PIT Not pumping
9/5/2017	E206438	CM_CCPD	Water Quality	6PIT Not pumping
9/26/2017	E206438	CM_CCPD	Water Quality	6PIT Not Pumping
Oct	E298733	CM_PC2	All	Zero Flow, CM_PC2 was visited on additional days during the month but there was no observable flow due to dry cold low flow conditions.
Dec	E298733	CM_PC2	All	Zero Flow, CM_PC2 was visited on additional days during the month but there was no observable flow due to dry cold low flow conditions.

In the case of an unattainable sample due to no flow present, reasonable efforts will be made to take a sample if there is a significant environmental change that would result in the return of flow at the permitted sampling location. If a sample is unattainable upon initial site visit during a scheduled sampling period the following triggers below will initiate a second attempt to collect a sample.

- Significant rain event;
- Increase in flow at other sampling locations;
- Presence of flowing water in road side ditches or sumps (i.e. if it is raining hard enough to have surface flow in ditches, then the sample point in the creek likely has flow);
- Any mine operational change that may result in flow or impact the drainage; and
- Significant warming trend in winter months.

3 Data Quality Assurance and Quality Control (QA/QC)

3.1 QA/QC Program

In accordance with Section 4.1.3.3 of Permit 4750, CMO has implemented a Quality Assurance and Quality Control (QA/QC) Plan in accordance with the Environmental Data Quality Assurance Regulation and guidance provided in the "British Columbia Field Sampling Manual for continuous Monitoring and the Collection of Air, Air-emissions, Water, Wastewater, Soil, Sediment, and Biological Samples" and the "British Columbia Laboratory Methods Manual for the Analysis of Water, Wastewater, Sediment, Biological Materials and Discrete Ambient Air." A summary of CMO's QA/QC program is provided below.

3.1.1 Staff Training

CMO environment staff, environmental consultants and contractors are trained using onsite Standard Practices & Procedures (SP&P), Management Plans, guidance documents, as well as other training sessions available throughout the year. CMO's Environmental SP&P documents include training for all environmental monitoring and reporting activities including sampling procedures, shipping methods, and equipment calibration procedures. These documents are reviewed annually by environment staff, environmental consultants and contractors.

3.1.2 Equipment Calibration

Equipment is calibrated as per manufacturer's specifications and calibration dates are tracked internally. In-house calibrations are conducted using certified calibration solutions and the calibration results are recorded on the appropriate calibration forms. Equipment requiring manufacturer calibration is either shipped off site to the appropriate location or a manufacturer representative performs the calibration onsite. All calibration log sheets are filed in a calibration log folder on the CMO server.

Table 9: Equipment calibration checklist.

Equipment	Model	Calibration Frequency	Last Calibration
Field Parameter Meter #1	YSI Handheld Multiparameter Instrument (Professional Plus) (pH, DO, EC, ORP, Temperature)	Weekly	3/26/2018
Field Parameter Meter #2	YSI Handheld Multiparameter Instrument (556MPS) (pH, DO, EC, ORP, Temperature)	Weekly	3/26/2018
Field Turbidity Meter #1	LaMotte 2020wi	Weekly	3/26/2018
Field Turbidity Meter #2	LaMotte 2020we	Weekly	3/26/2018
Flow Meter	Hach FH950	As required* (Completed by manufacturer upon purchase in February 2018)	2/20/2018

3.1.3 Record Keeping

Data quality is maintained by storing all sampling data in a controlled database. The current data management application at CMO is EQuIS (Environmental Quality Information System). User defined rules are applied to the uploading of data. Additionally, all data is subjected to comparison against standards such as: permit limits,

Approved and Working Water Quality Guidelines, or other criteria as specified by the Director. If a value entered is above a limit or guideline, the user is advised in a report generated by the database. This enables users to determine if the value is entered incorrectly, if it is a possible laboratory error or if values have truly exceeded the applicable standards.

3.1.4 Sample Analysis

Third-party sample analysis was conducted by:

- ALS Laboratory Group
  8081 Loughheed HWY
  Suite 100
  Burnaby, BC

- ALS Laboratory Group
  2559 29th Street NE
  Calgary, AB

Analyses were carried out in accordance with procedures described in the most recent edition of the British Columbia Laboratory Methods Manual for the Analysis of Water, Wastewater, Sediment, Biological Materials and Discrete Ambient Air, or by suitable alternative procedures as authorized by the Director.

3.1.5 Lab QA/QC Data

As noted in Section 3.1.4, CMO utilizes two accredited laboratories for effluent analyses: ALS Environmental located in Vancouver, B.C. and ALS Environmental located in Calgary, Alberta. All labs report quality assurance and quality control (QA/QC) results for sample submission through determination of a relative-percent difference (RPD) value (as defined in the British Columbia Field Sampling Manual). Results of lab QA/QC can be made available upon request.

3.1.6 Field Duplicates

Field Duplicate sample precision was evaluated using a Relative Percent Difference (RPD), which is the difference between the duplicates as a function of their average (Appendix A). Four criteria were used to evaluate each set of duplicate samples:

- RPD of < 20% = Pass;
- RPD of >20% with results < 5 times the detection limit = Pass-1;
- RPD of > 20% and <50% with results > 5 times the detection limit = Pass-2; and
- RPD of >50% with results > 5 times the detection limit = Fail.

Throughout 2017, a total of 39 field duplicate samples were collected, resulting in 78 analytes being evaluated for RPD (TSS, Turbidity, PAH, LEPH and EPH). Of the 78 analytes evaluated, 4 exceeded the RPD control limits (2 Turbidity and 2 TSS), 5 were Pass-2 (5 Turbidity and 0 TSS), 15 were Pass-1 (2 Turbidity and 13 TSS), and 54 were Pass (Appendix A).

SRK Consultants have provided an explanation on the variability of TSS and Turbidity in duplicate samples:

TSS and Turbidity parameters are prone to high variability because they are measures of suspended particles, which are dependent on turbulence and mixing at the time of sample collection. The variability of duplicates at

concentrations near the analytical detection limit and measurements of suspended particles are not unexpected, unusual, or cast aspersions on the quality of the sample collection or the data.

ALS Laboratories has also attributed the variability in TSS and Turbidity measurements to sample heterogeneity, and due to the nature of these parameters they can vary significantly within the sample due to the presence of both fine and course particles.

3.1.7 Blank Samples

Control blank sampling (field blanks) was conducted throughout the year in accordance with procedures established in *British Columbia Field Sampling Manual for Continuous Monitoring Plus the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Samples*, or by suitable alternative procedures as authorized by the Director.

Throughout 2017, a total of 45 field blank samples were collected, resulting in 89 analytes being evaluated for Turbidity (44) and TSS (45). Of these 89 analytes, 11 Turbidity and 1 TSS were above the detection limits (Appendix A).

3.2 QA/QC Issues

In accordance with the QA/QC Plan, concerns identified in the field and/or laboratories are tracked. Table 10 summarizes all QA/QC concerns for 2017 under Permit 4750 authorization.

Table 10: Summary of QA/QC issues.

EMS ID	Site ID	Date	Issue	Reason
E258175	CM_MC1	7/25/2017	TURBIDITY, LAB TOTAL SUSPENDED SOLIDS, LAB	A sample shipping error occurred on the week of July 25, 2017. Sample collected on July 25 at CM_MC1; however, sample was not received by lab until August 3 and therefore 3 day hold times were exceeded. This was an extra sample collected to understand the difference between water sampled directly from creek compared to water sampled from the pump to support chronic toxicity testing and evaluation at this location.
E206439	CM_SEW	10/4/2017	TOTAL SUSPENDED SOLIDS, LAB	Hold time exceeded for re-analysis or dilution, but initial testing was conducted within hold time.

4 Water Monitoring Program Description

4.1 Water Quality and Quantity Monitoring Requirements

Samples were collected from January 1, 2017 to December 31, 2017 in accordance with Permit 4750 requirements (Table 11). All sample results can be viewed in Appendix B – Monitoring Data and QA/QC Data.

Table 11: Monitoring requirements for Permit 4750 (amended April 2016 and July 2016).

EMS ID	Site ID	Parameters				
		(mg/L)	(mg/L)	NTU	(mg/L)	(m^3/s)[a]
		5-day Biochemical Oxygen Demand (BOD_5)	Total Suspended Solids (TSS)	Turbidity	Extractable Petroleum Hydrocarbons (EPH)	Flow
E102488	CM_SPD	-	W/M	W/M	Q	W/M
E206437	CM_WBE	-	-	-	Q	Q
E206438	CM_CCPD	-	W/M	W/M	Q	W/M
E206439	CM_SEW	M	M	M	-	M
E298733	CM_PC2	-	W/M	W/M	-	W/M
E258175	CM_MC1	-	W/M	W/M	-	W/M
E258937	CM_MC2	-	W/M	W/M	-	-
0200209	CM_CC1	-	W/M	W/M	-	-
E306136	CM_MAX-SHOP	-	-	-	4x per year	-
E306116	CM_PR-SILO	-	-	-	4x per year	-

Notes:
M = Monthly from August 1 - March 31
W = Weekly from April 1 - July 31
Q = Quarterly
4 x per year = collected during spring and rainfall events
a) m^3/day for CM_SEW and CM_WBE

4.1.1 Pit Pumping

Monitoring requirements for 34 Pit and 6 Pit pumping are summarized in Tables 12 and 13, respectively. Monitoring results from the following monitoring program associated with CM_MC2, CM_CC1, CM_SPD, and CM_CCPD are included within the Permit 107517 annual report submission, March 31, 2018. The pit pumping locations listed within Tables 12 and 13 are specific to Permit 4750 and therefore not included in the Permit 107517 annual effluent report. All sample results for 6 pit, 34 Pit ad 14 Pit monitoring locations are included within Appendix B. Pit pumping volumes are summarized in section 6.1.1 of this report.

Table 12: 34 Pit pumping monitoring requirements.

EMS ID	Location	Duration	Field Parameters	Conventional Parameters	Major Ions	Nutrients	Total/Dissolved Metals	TSS/Turbidity
n/a	14 Pit	One week before pumping	One Time	One Time	One Time	One Time	One Time	One Time
		For 2 months after Pumping Begins	W	W	W	W	W	n/a
		Ongoing while pumping	M	M	M	M	M	n/a
	34 Pit	For 2 months after Pumping Begins	W	W	W	W	W	n/a
		Ongoing while pumping	M	M	M	M	M	n/a
E258937	CM_MC2	Ongoing while pumping	W/M	W/M	W/M	W/M	W/M	n/a
E102488	CM_SPD	Ongoing while pumping	W/M	M	M	M	M	W/M

Notes:
W/M = Weekly from March 15-July 31; monthly the rest of the year
W = Weekly as per specified duration

Table 13: 6 Pit pumping monitoring requirements.

EMS ID	Location	Duration	Field Parameters	Conventional Parameters	Major Ions	Nutrients	Total/Dissolved Metals	TSS/Turbidity	Flow
N/A	6 Pit Infiltration Sump	Starting April 27, 2016 to pumping completion	W/M	W-M	W-M	W-M	W-M	W/M	*
E206436	Corbin Creek Pond Decant (CCPD)	Starting April 27, 2016 to pumping	W/M	W-M	W-M	W-M	W-M	W/M	W/M

EMS ID	Location	Duration	Field Parameters	Conventional Parameters	Major Ions	Nutrients	Total/Dissolved Metals	TSS/Turbidity	Flow
		completion							
E258937	CM_MC2	To pumping completion	W/M	W/M	W/M	W/M	W/M	W/M	W/M
200209	CM_CC1	To pumping completion	W/M	W/M	W/M	W/M	W/M	W/M	C
E102488	CM_SPD	To pumping completion	M	M	M	M	M	W/M	W/M

Notes:
M = Monthly
W/M = Weekly April 1 to July 31 (March 15 to July 3 at E258937 and 200209) and monthly the remainder of the year
W-M = Weekly sampling, switch to monthly once water quality parameter variability is understood
C = Continuous monitoring
**Volume of water pumped from 6 Pit is measured utilizing a flow meter*

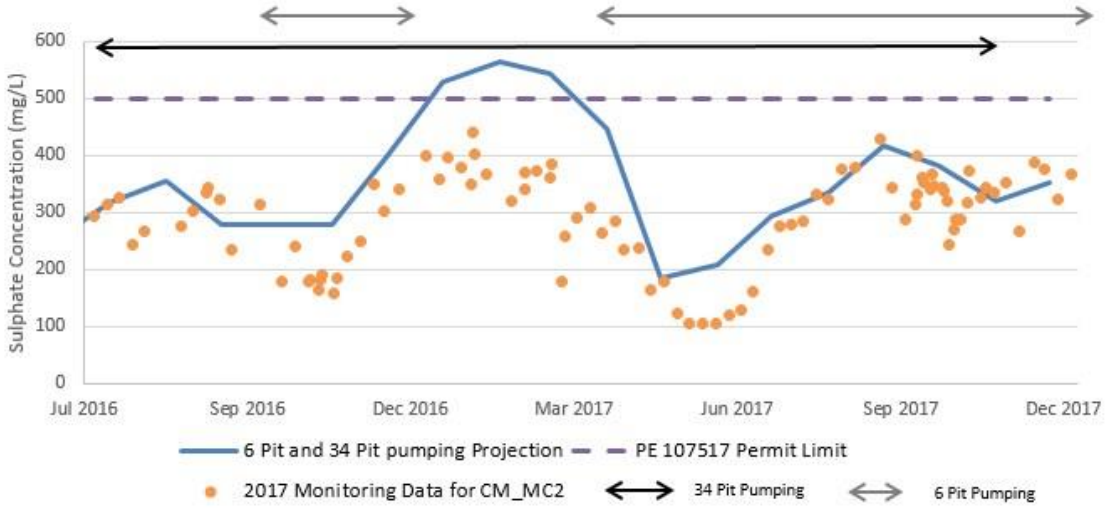
Coal Mountain Operations provides a memo quarterly within the quarterly Permit 4750 effluent report to ENV summarizing projected versus current (Jan 2017 – December 2017) concentrations for parameters that have discharge limits at CMO's Compliance Station (E258937 or CM_MC2). Results are presented in Figure 2.

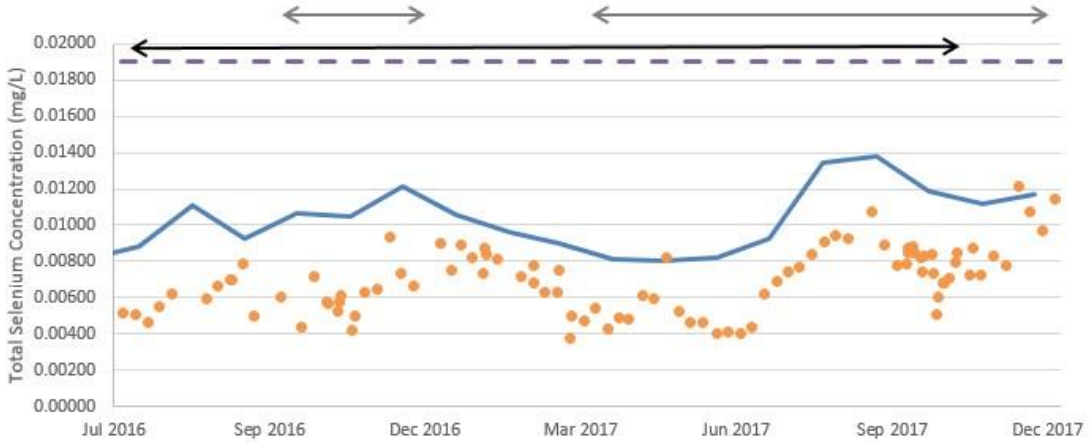
The projected scenario represents pumping measured in 2017 from both 34 Pit and 6 Pit, and changes to waste management approved through the November 2017, amendment to Permit C-84 Approving E1728 Spoil Refuse Blending. 2017 pumping rates from 6 Pit and 34 Pit were below maximum authorized rates (150 L/s). Permit 107517 discharge limits are plotted for sulphate, nitrate, dissolved cadmium and total selenium concentrations. The cadmium limit is hardness dependent and was calculated using measured hardness values at CM_MC2.

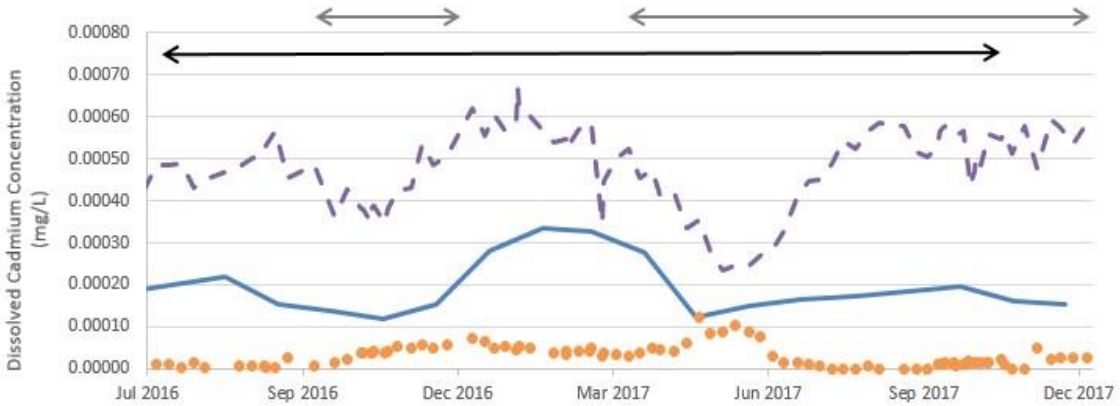
Cadmium and selenium concentrations at CM_MC2 have remained below the Permit 107517 discharge limits and projected concentrations during 2017 pumping. In 2017, sulphate concentrations remained below Permit 107517 discharge limits.

Average Nitrate concentration measured at CM_MC2 for the month of February was 5.99 mg/L which exceeds the permit limit of 5 mg/L at this location. Pit pumping was reduced and cycled on/off to help lower concentrations. Nitrate concentrations remained below the Permit 107517 discharge limits for the remainder of 2017.

Overall, CMO will continue to monitor water quality data as per permit conditions and conduct additional sampling to support pit-dewatering activities.


Sulphate Concentration (mg/L)
600
500
400
300
200
100
0
Jul 2016
Sep 2016
Dec 2016
Mar 2017
Jun 2017
Sep 2017
Dec 2017
6 Pit and 34 Pit pumping Projection
PE 107517 Permit Limit
2017 Monitoring Data for CM_MC2
34 Pit Pumping
6 Pit Pumping


Total Selenium Concentration (mg/L)
0.02000
0.01800
0.01600
0.01400
0.01200
0.01000
0.00800
0.00600
0.00400
0.00200
0.00000
Jul 2016
Sep 2016
Dec 2016
Mar 2017
Jun 2017
Sep 2017
Dec 2017


Dissolved Cadmium Concentration (mg/L)
0.00080
0.00070
0.00060
0.00050
0.00040
0.00030
0.00020
0.00010
0.00000
Jul 2016
Sep 2016
Dec 2016
Mar 2017
Jun 2017
Sep 2017
Dec 2017

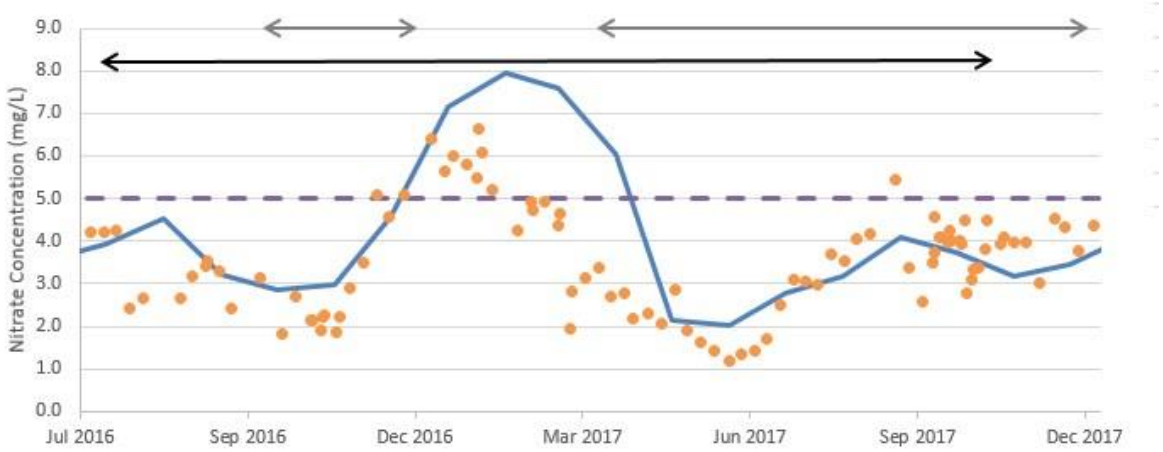


Figure 2: Projected vs current concentrations of sulphate, selenium, cadmium and nitrate at CM_MC2.

4.2 Sampling Methodology

All samples are collected in accordance with procedures established in the "British Columbia Field Sampling Manual – For Continuous Monitoring and the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment and Biological Samples" (2013) published by the Water, Air and Climate Change Branch of the Ministry of Water, Land and Air Protection, Province of BC or by suitable alternative procedures as authorized by the Director.

Detection limits for TSS and turbidity, as well as analytical methods, are listed in Table 14.

Table 14: Site parameters, detection limits, and analytical methods.

Parameter	Unit	Analytical Method	Detection Limit (DL)
TSS	mg/L	APHA 2540D	1.0
Turbidity	NTU	APHA 2130 Turbidity	0.1
BOD_5	mg/L	APHA 5210 B-Biochemical Oxygen Demand	2.0
EPH Total	mg/L	BC Lab Manual	0.5

5 Monitoring Results

All results from 2017 sampling under Permit 4750 can be viewed in Appendix B.

5.1 Water Quality Results

In this section, water quality data are presented by parameter and compared to permit limits where applicable. Permit 4750 specifies monitoring requirements for discharges and receiving environment for parameters such as TSS, turbidity, BOD_5, EPH and flow.

As per requirement 'vi' under Permit 4750 Section 5.3, Annual Report, CMO is required to include "All acute and chronic toxicity test-specific reports from the laboratory and an interpreted summary and discussion of results, including recommendations and any subsequent actions where applicable". Toxicity testing is conducted under Permit 107517 and all reporting, interpretation and discussion of results for this testing program will be provided as part of the 2017 107517 Annual Report and the 2017 Chronic Toxicity Program Annual Report.

All 2017 Permit 4750 monitoring parameters are discussed below. 2017 raw data with statistical summaries are presented in Appendix B and historical data are presented in Appendix C.

5.1.1 Total Suspended Solids

5.1.1.1 Receiving Environment

2017 TSS data for CMO's three receiving environment sampling sites are presented in Figure 1. Thirty five (35) TSS samples were collected E258175 (CM_MC1), sixty three (63) were collected at E258937 (CM_MC2), and thirty seven (37) at 0200209 (CM_CC1). Additional samples were collected for TSS above and beyond the Permit 4750 monthly and weekly sampling requirements to support pit pumping activities and in conjunction with additional sampling conducted to support Nitrate compliance at the CMO Permit 107517 compliance point.

Forty-six percent of the samples (16 of 35) collected at E258175 (CM_MC1), fourteen percent of the samples (9 of 63) collected at E258937 (CM_MC2) and five percent (2 of 37) collected at 0200209 (CM_CC1) were below the TSS detection limit of 1.0 mg/L.

TSS concentrations in the receiving environment were generally most elevated during the end of May and the beginning of June (i.e., coinciding with freshet); However on October 19, 2017 CMO received ~ 50 mm of rain which impacted the E258937 (CM_MC2) receiving environment sampling location. Background TSS sampling found that Michel Creek upstream of Coal Mountain Operations was experiencing more turbidity than downstream of operations. The Main Interceptor Sedimentation Ponds authorized discharge location remained below the 50 mg/L TSS limit during the event.

The following are maximum TSS concentrations recorded in the receiving environment in 2017:

- 25.7 mg/L at 0200209 (CM_CC1) on August 1, 2017;
- 27.2 mg/L at E258175 (CM_MC1) on May 23; and
- 154 mg/L at E258937 (CM_MC2) on Oct 19.

On October 20, 2017, CMO reported a potential non-compliances at location E258937 (CM_MC2) based on initial field turbidity monitoring results collected in response to heavy precipitation (~50 mm) on October 19,

2017. (*2017-Oct-19 Authorization 4750 | Notification of Potential TSS Non-Compliance Locations E258937 and E105488*).

CMO provided an update on E258937, reporting that turbidity at background sampling locations above CMO operations were also higher than the CM_CM2 receiving station during the rain event and therefore E258937 remained compliant. ENV was updated on this event and the monitoring results during the November Monthly ENV discussion held November 20, 2017 (*Nov ENV Presentation v3*).

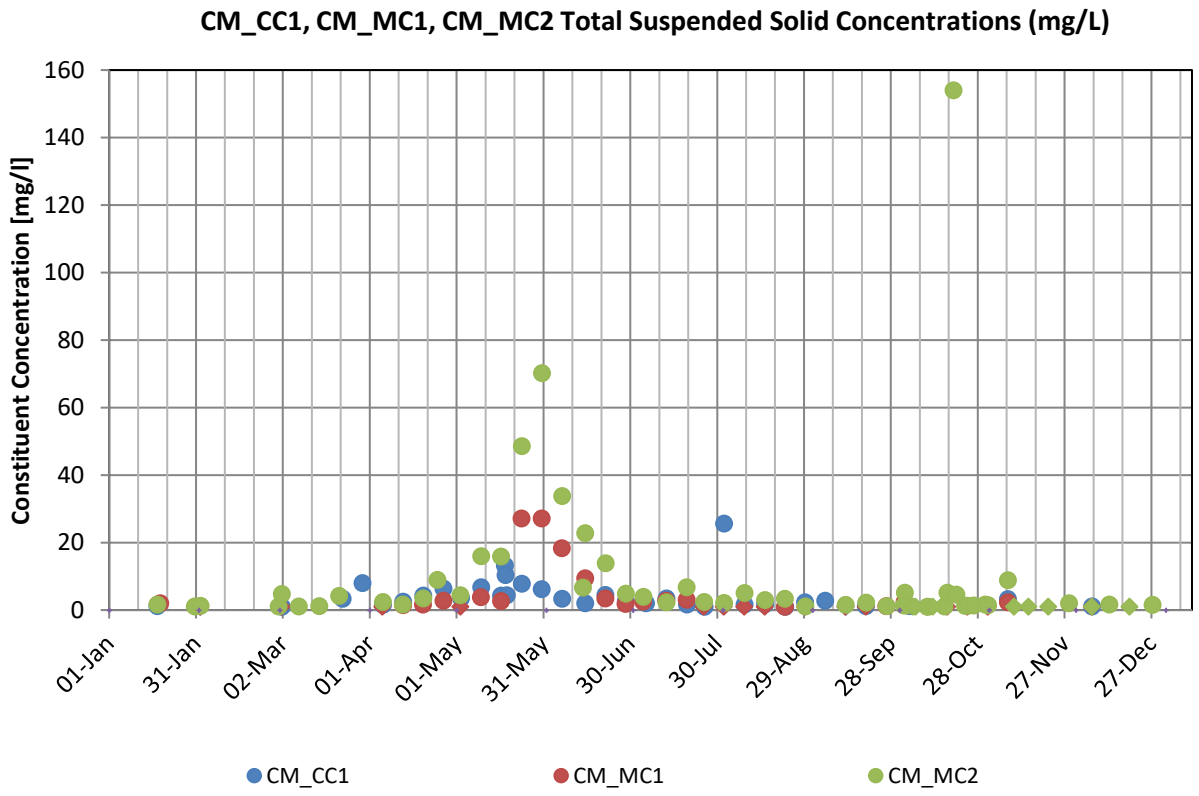


Figure 3: 2017 TSS concentrations-receiving environment.

5.1.1.2 Discharge Locations

Thirty nine (39) samples were collected at E206438 (CM_CCPD), twelve (12) at E298733 (CM_PC2) and fifty (50) at E102488 (CM_SPD). All but one (1) sample collected in 2017 were below TSS permit limits (50 mg/L). Additional TSS samples were collected above and beyond the Permit 4750 monthly and weekly sampling requirements to support ongoing pit pumping requirements (Section 4.1.1). The TSS exceedance of 58.2 mg/L, which was recorded on July 25, 2017 at EMS location 206438, may have been due to debris in the sample related to low flows observed in July. The field turbidity recorded at this location at time of sampling was 5.43 NTU and lab turbidity was 10.4 NTU.

There was zero observable flow at E298733 (CM_PC2) from approximately July 12 until the end of December with the exception of the week of November 24 where a sudden early season snowmelt event resulted in temporary flow and discharge from the CM_PC2 channel.

Eight percent of the samples (3 of 39) collected at E206438 (CM_CCPD), and seventy five percent of the samples (9 of 12) collected at E298733 (CM_PC2) were below the TSS DL of 1.0 mg/L. Fifty samples were collected at E258937 (CM_SPD) with all results returned above the TSS DL of 1.0 mg/L.

The following are maximum TSS concentrations recorded in the discharge locations in 2017:

- 58.2 mg/L at E206438 (CM_CCPD) on July 25;
- 9.7 mg/L at E298733 (CM_PC2) on April 19; and
- 40.8 mg/L at E258937 (CM_SPD) on Aug 1.

In 2017 and 2016, there were zero TSS exceedances at E102488 (CM_SPD) compared to two non-compliances recorded in 2015 (Appendix C). A major cleanout of sediment from the primary (upstream) pond in the Main Interceptor Sedimentation Ponds system was completed in 2014 which has likely contributed to a reduction in TSS concentrations observed at E102488 (CM_SPD). Other measures that have helped to minimize sediment transport in the Main Interceptor Sedimentation Ponds system are erosion repairs and grading on Middle Mountain completed in 2014, roadside sump construction completed on Middle Mountain in 2016 and automation of the flocculant program also completed in 2016.

E206438 (CM_CCPD) had one TSS exceedance in 2017. As discussed above the TSS exceedance of 58.2 mg/L, which was recorded on July 25, 2017 may have been due to debris in the sample related to low flows observed in July. The field turbidity recorded at this location at time of sampling was 5.43 NTU and lab turbidity was 10.4 NTU. Zero TSS exceedances occurred in 2016 and the location has historically reported only three TSS exceedances in its history. E298733 (CM_PC2) generally only flows from April to the end of June and has never reported a TSS exceedance.

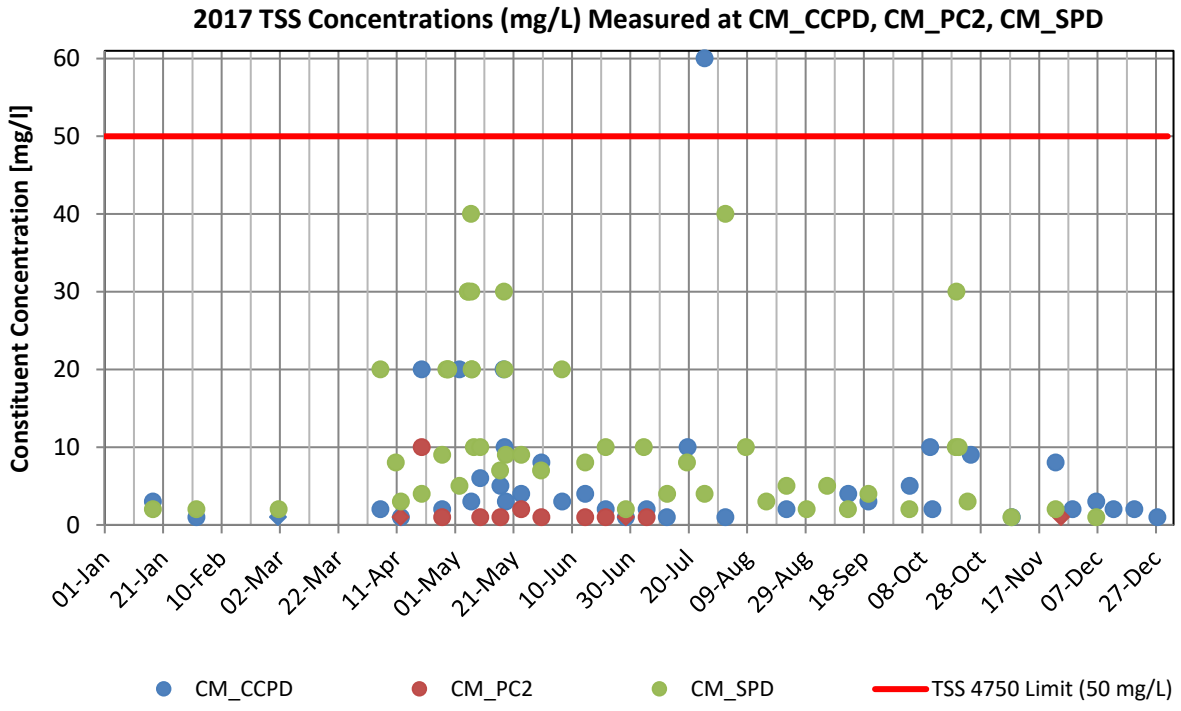


Figure 4: 2017 TSS concentrations-discharge locations.

5.1.2 Extractable Petroleum Hydrocarbons

5.1.2.1 Discharge Locations

Extractable Petroleum Hydrocarbons (EPH) concentrations are monitored at discharge locations under Appendix 2A, Table 2, of Permit 4750. Samples were collected at E206438 (CM_CCPD) and E102488 (CM_SPD) in 2016. All samples collected were below the EPH detection limit of 0.50 mg/L (Figure 5).

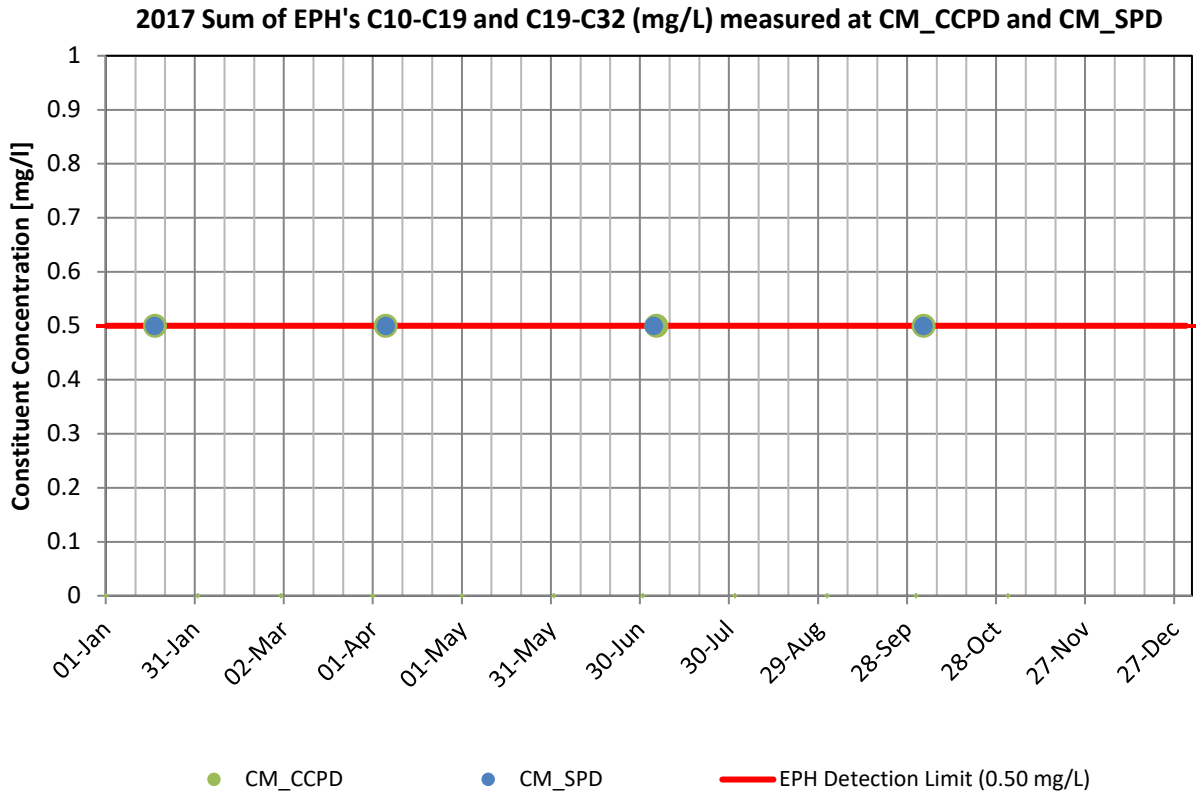


Figure 5: 2017 EPH concentrations- CM_CCPD and CM_SPD.

5.1.2.2 Infiltration Sumps

All samples collected at Ammonium Nitrate Prill Silo Sump E306116 (CM_PR-SILO) and Emulsion Shop Sump E306136 (CM_MAX-SHOP) were below the 60 mg/L EPH permit limit (Figure 6).

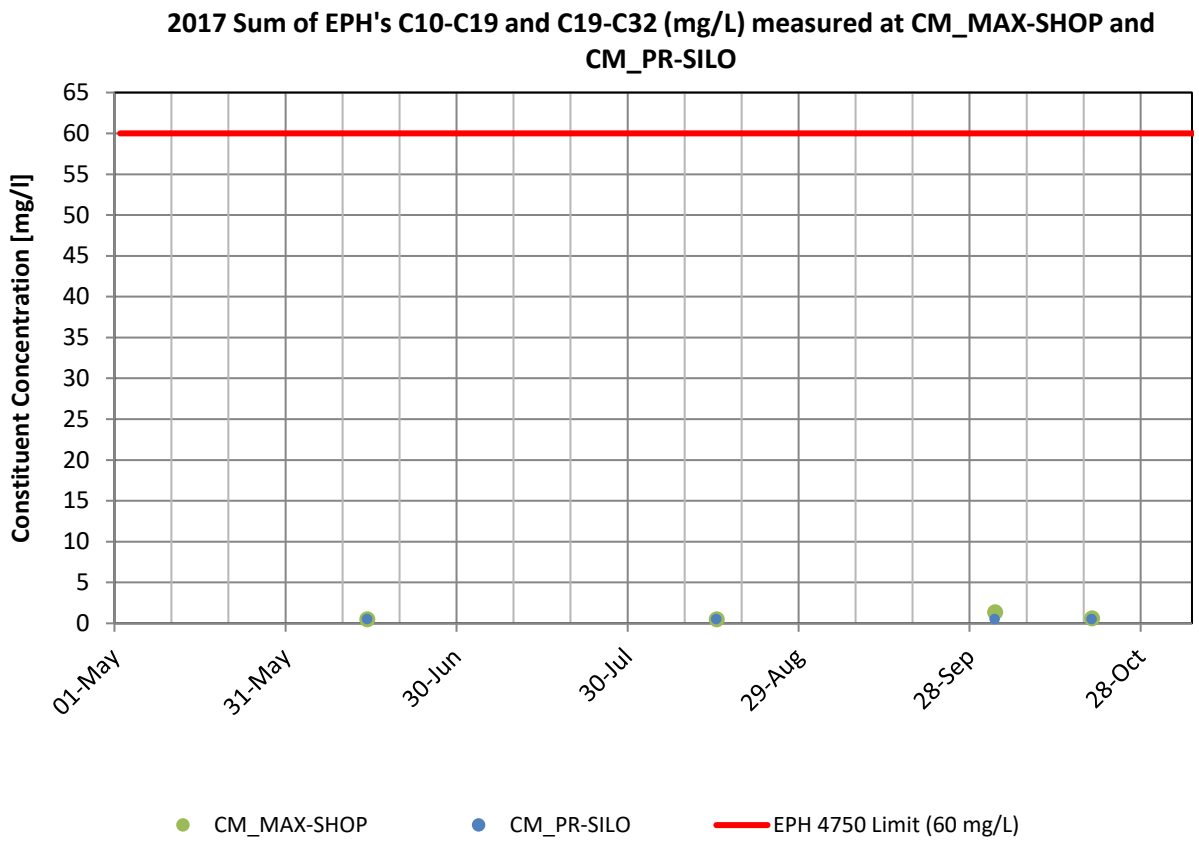


Figure 6: 2017 EPH concentrations-CM_MAX-SHOP and CM_PR-SILO.

5.1.2.3 Maintenance Infiltration Ponds

A total of 4 samples were collected at the effluent discharge from CMO's discharge to the Maintenance Infiltration Ponds E206437 (CM_WBE; Figure 7). All results were below the 15 mg/L EPH limit. A maximum concentration of 5.91 mg/L EPH was recorded on July 5, 2017.

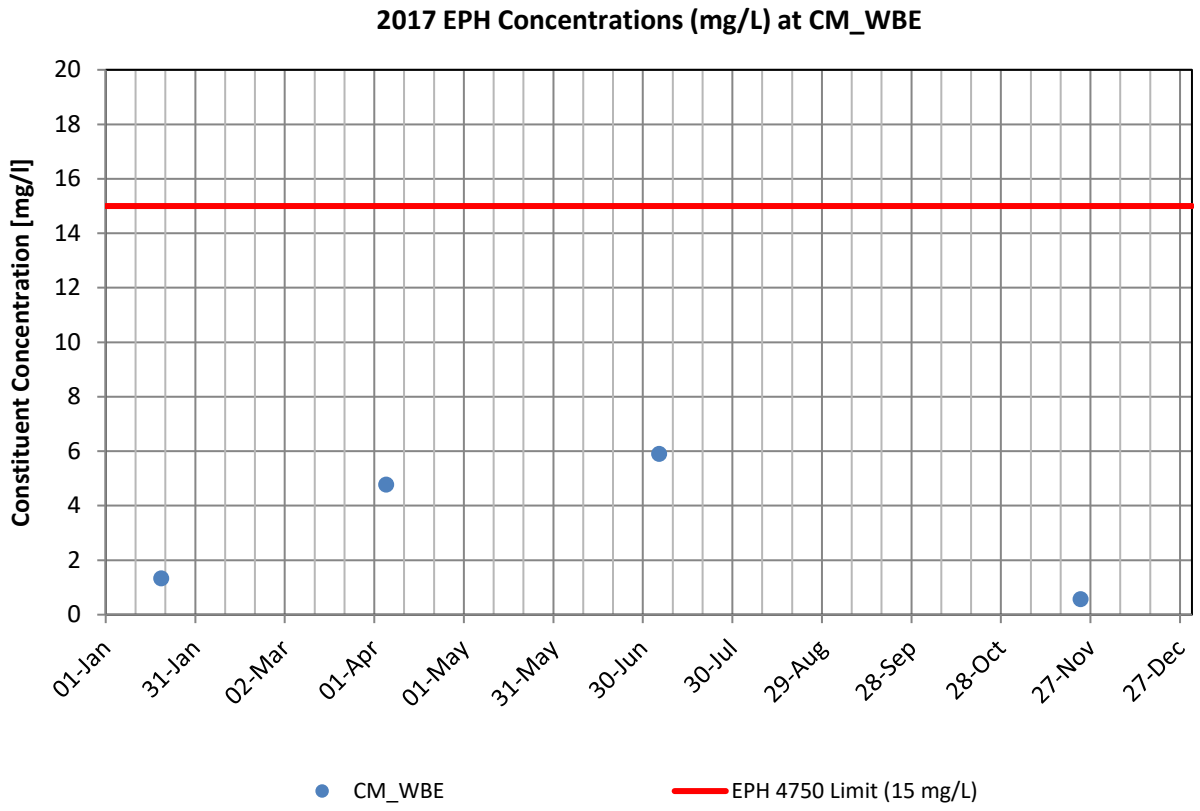


Figure 7: 2017 EPH concentrations - CM_WBE.

Reduction of TEH/EPH concentrations can be observed since 2008 at E206437 (CM_WBE) which can be attributed, in part, to improved maintenance practices in the shop and improved management procedures for the oil-water separator. Six exceedances were recorded between 2008-2010 and only one in 2014. In 2016 and again 2017, all EPH concentrations were below the permit limit of 15 mg/L.

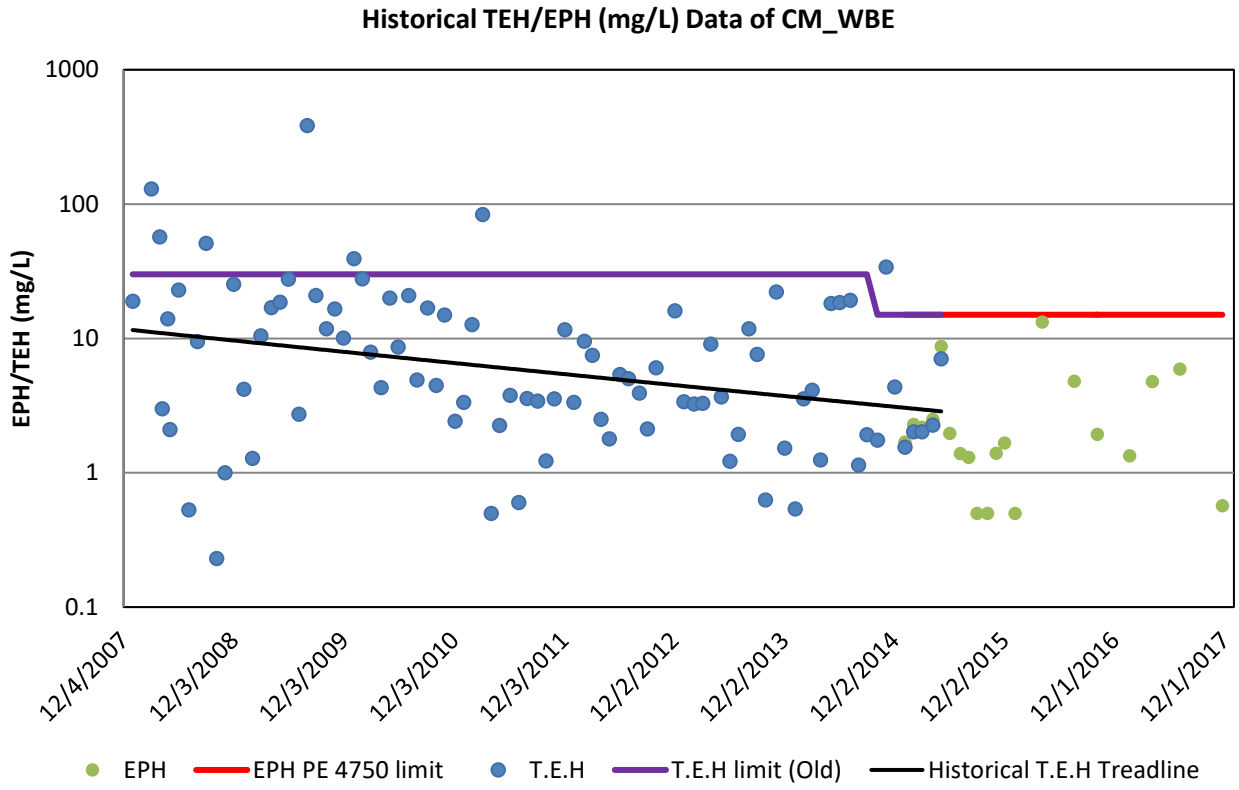


Figure 8: Historical TEH/EPH data – CM_WBE[3].

5.1.3 Sewage Treatment Plant (STP)

Twelve samples were collected at the Treated Domestic Effluent E206439 (CM_SEW) and none exceeded the TSS limit of 30 mg/L (Figure 9). Ninety-two percent of the samples collected (11 of 12) were below the TSS DL of 1.0 mg/L.

[3] Historically, E206437 (CM_WBE) had a permit limit for total extractable hydrocarbons (TEH) of 30 mg/L. When Permit 4750 was amended in September 2014, the limit for TEH was lowered to 15 mg/L. A new limit of 15 mg/L EPH was implemented for E206437 (CM_WBE) in the June 2015 amendment.

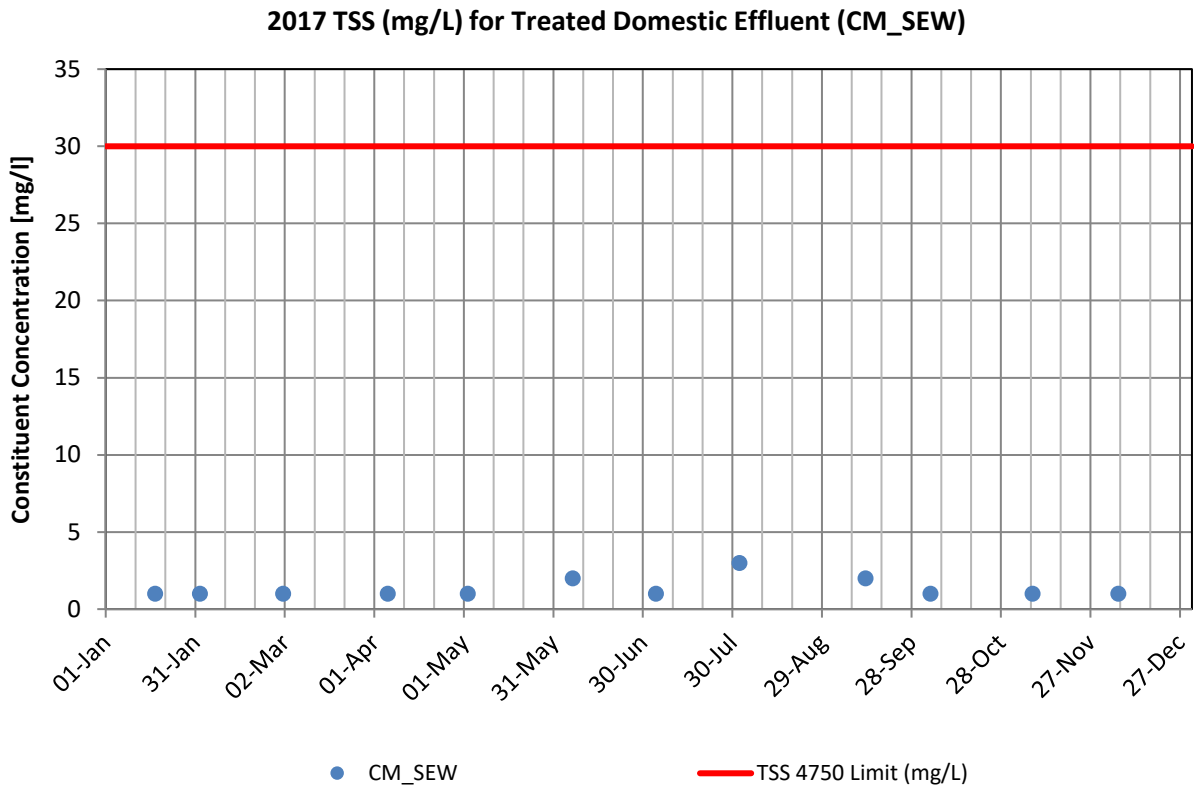


Figure 9: 2017 TSS concentrations – treated domestic effluent.

All 2017 5 Day Biological Oxygen Demand (BOD_5) results for CM_SEW were below the 40 mg/L and 20 mg/L (12 month average) permit limits. One hundred percent of the samples collected (12 of 12) were below the 2.0 mg/L BOD_5 detection limit (Figure 10).

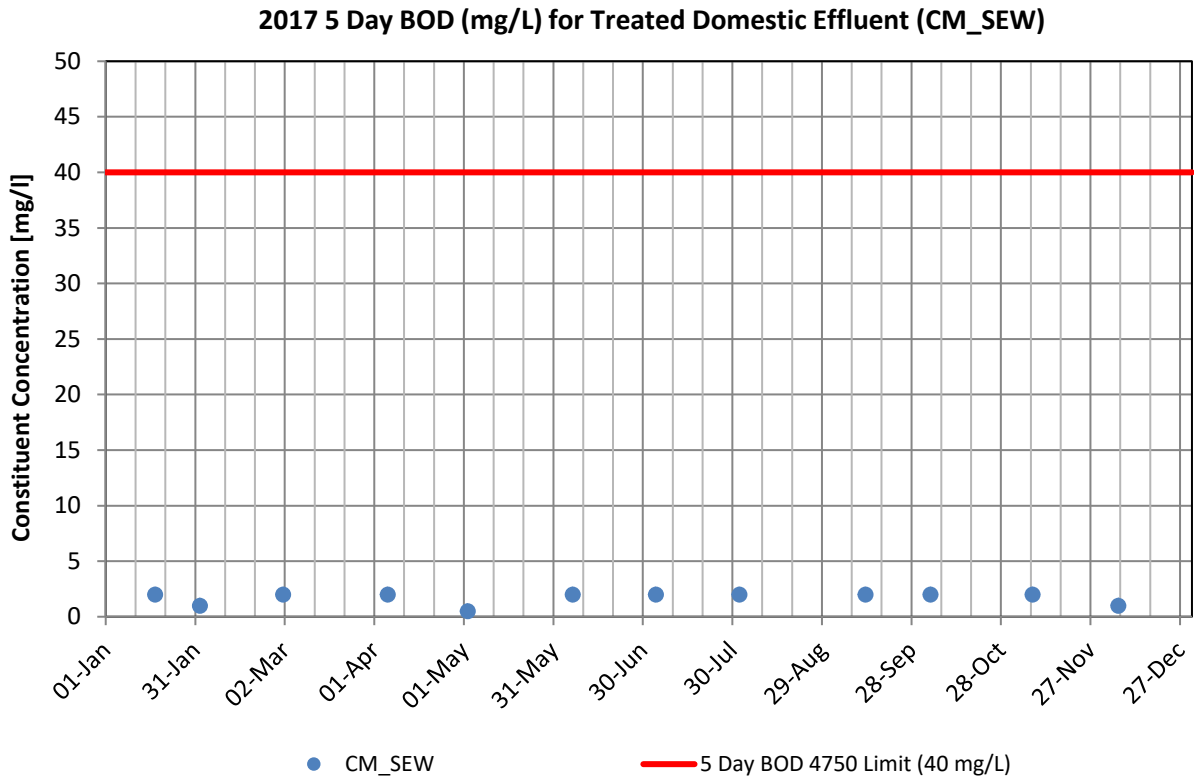


Figure 10: 2017 BOD5 concentrations – sewage treatment plant.

5.1.3.1 Historical Data (CM_SEW)

TSS and BOD_5 concentrations have been trending downwards at E206439 (CM_SEW) since 2007 (Figures 11 and 12). These reductions can mainly be attributed to continual improvement of maintenance practices at the STP. The majority of TSS concentrations recorded since 2013 are below the 1 mg/L DL.

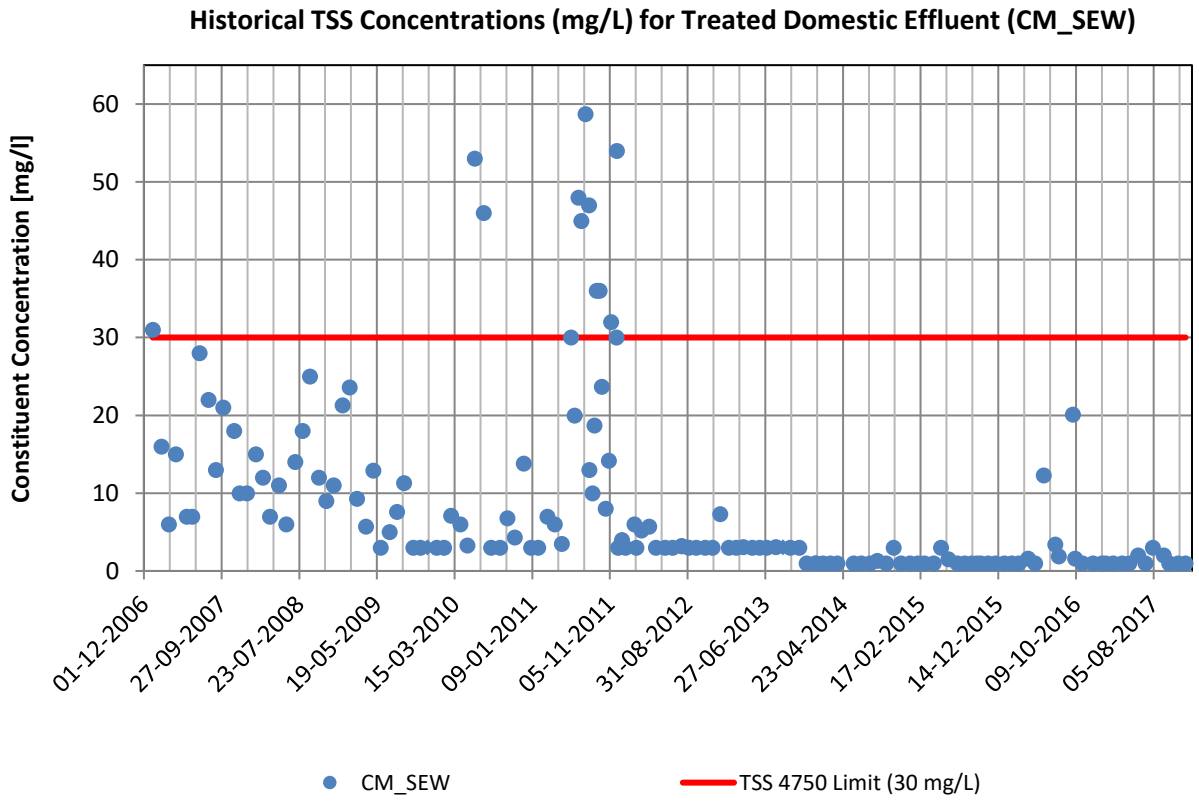


Figure 11: Historical TSS data – CM_SEW.

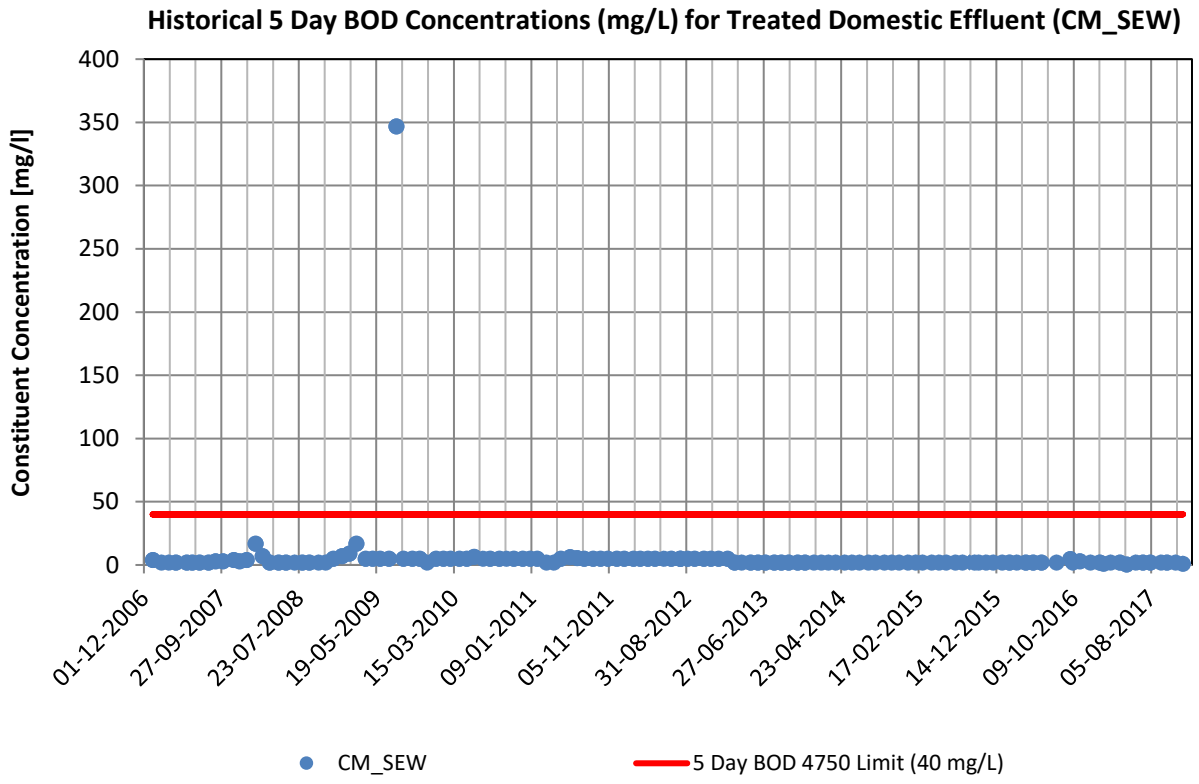


Figure 12: Historical BOD_5 data – CM_SEW.

5.2 Water Quantity Results

In this section, flow monitoring data are presented and compared to permit limits where applicable. The 2017 data are presented in tabular form in Appendix B. Permit 4750 requires flow measurements at all discharge locations.

5.2.1 Receiving Environment (CM_MC1)

In 2017, freshet generally commenced (i.e., flows started to increase) at CMO in mid to late April. Measured peak flow in Michel Creek Upstream of Operations E258175 (CM_MC1) was 2.99 m^3/s on May 23. The lowest flow recorded occurred on February 2 and September 12 with measured values of 0.04 m^3/s (Figure 13). Historical flow data from CM_MC1 (collected since October 2008) is presented in Figure 14 below.

Measured peak flow at E258175 (CM_MC1) was 2.99 m^3/s on May 23. The lowest flow recorded occurred on February 2 and September 12 with measured values of 0.04 m^3/s (Figure 13).

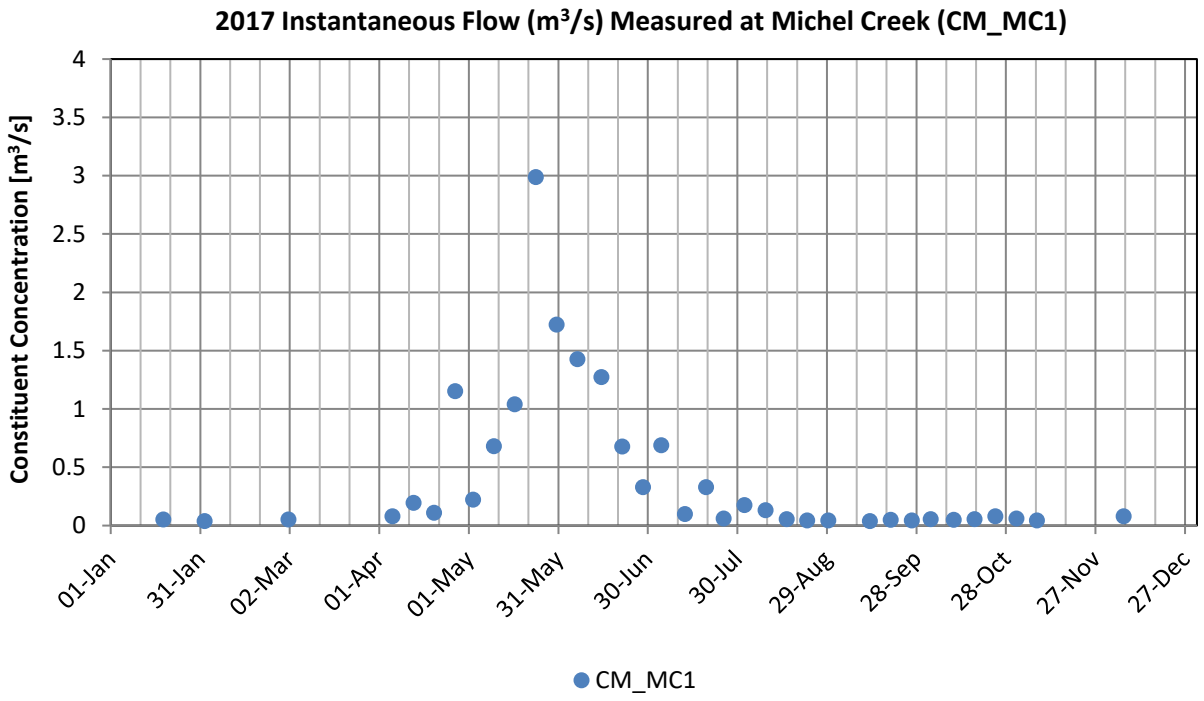


Figure 13: Instantaneous flow – Michel Creek upstream of operations.

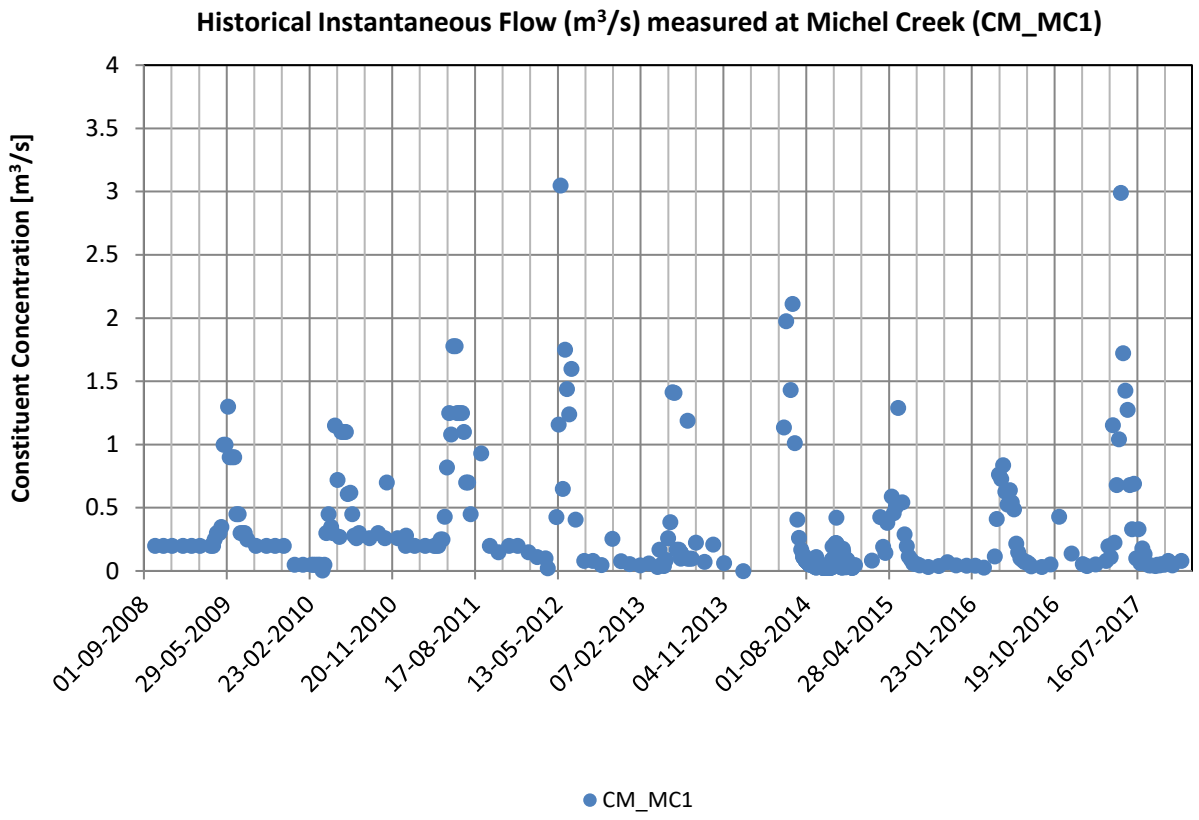


Figure 14: Historical flow data - CM_MC1.

5.2.2 Discharge Locations

Flow data for CMO's three permitted discharge locations are presented in Figures 15 through 17.

Measured peak flows for all three stations were well below permitted Q_{10} discharge rates. Peak flow measurements were as follows: E206438 (CM_CCPD) was 1.15 m^3/s on May 30; E298733 (CM_PC2) was 0.35 m^3/s on May 30 and; E102488 (CM_SPD) was 0.573 m^3/s on May 23.

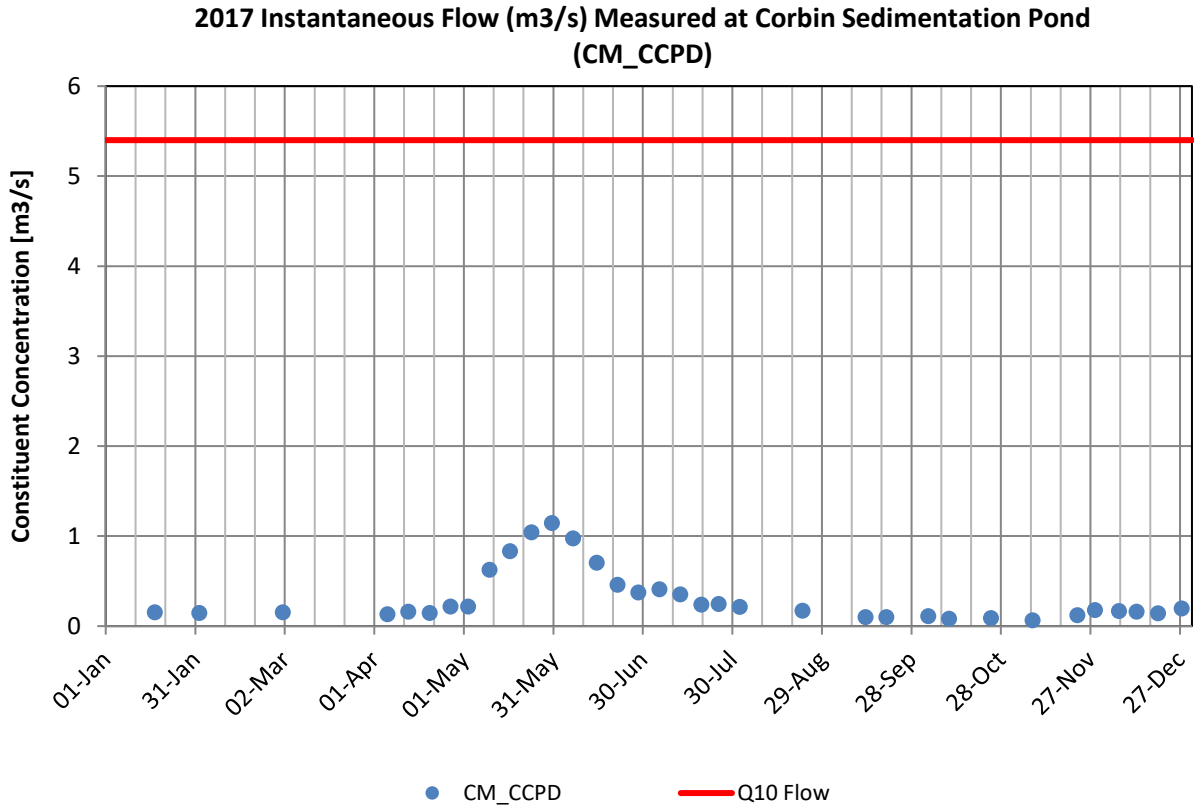


Figure 15: 2017 Instantaneous flow – CM_CCPD.

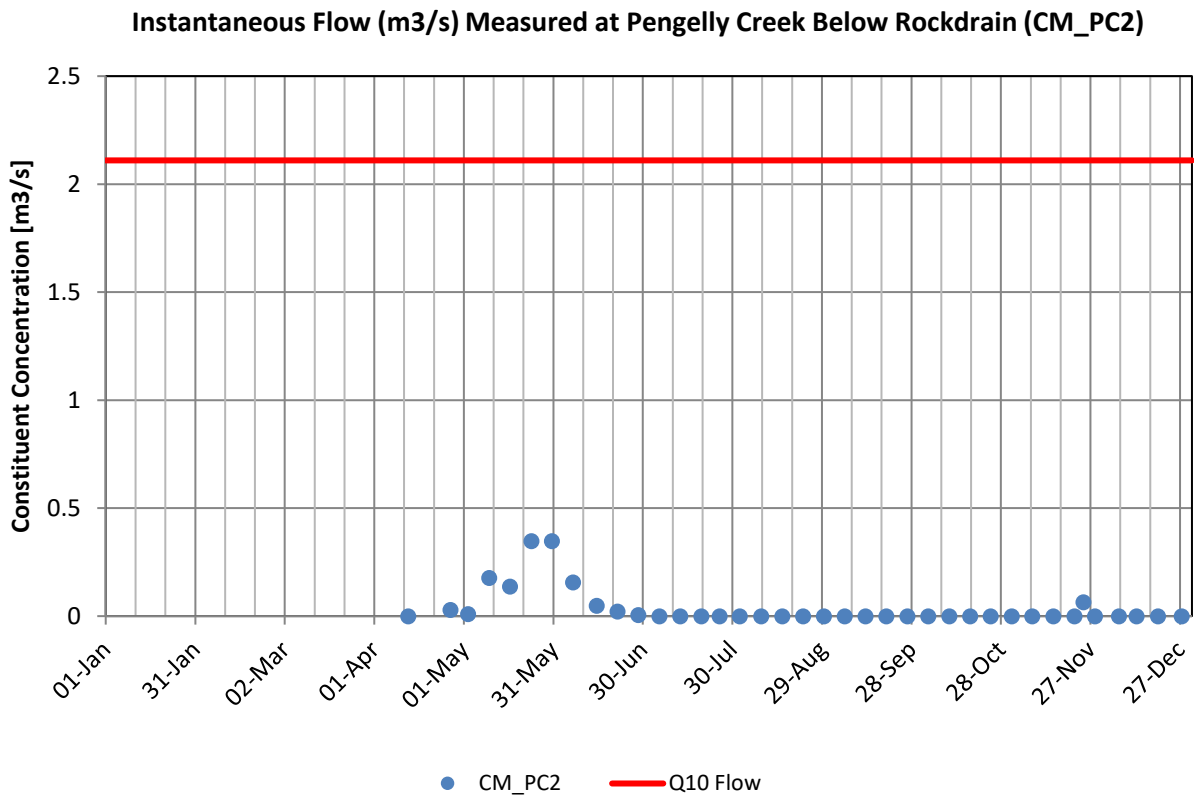


Figure 16: 2017 Instantaneous flow – CM_PC2.

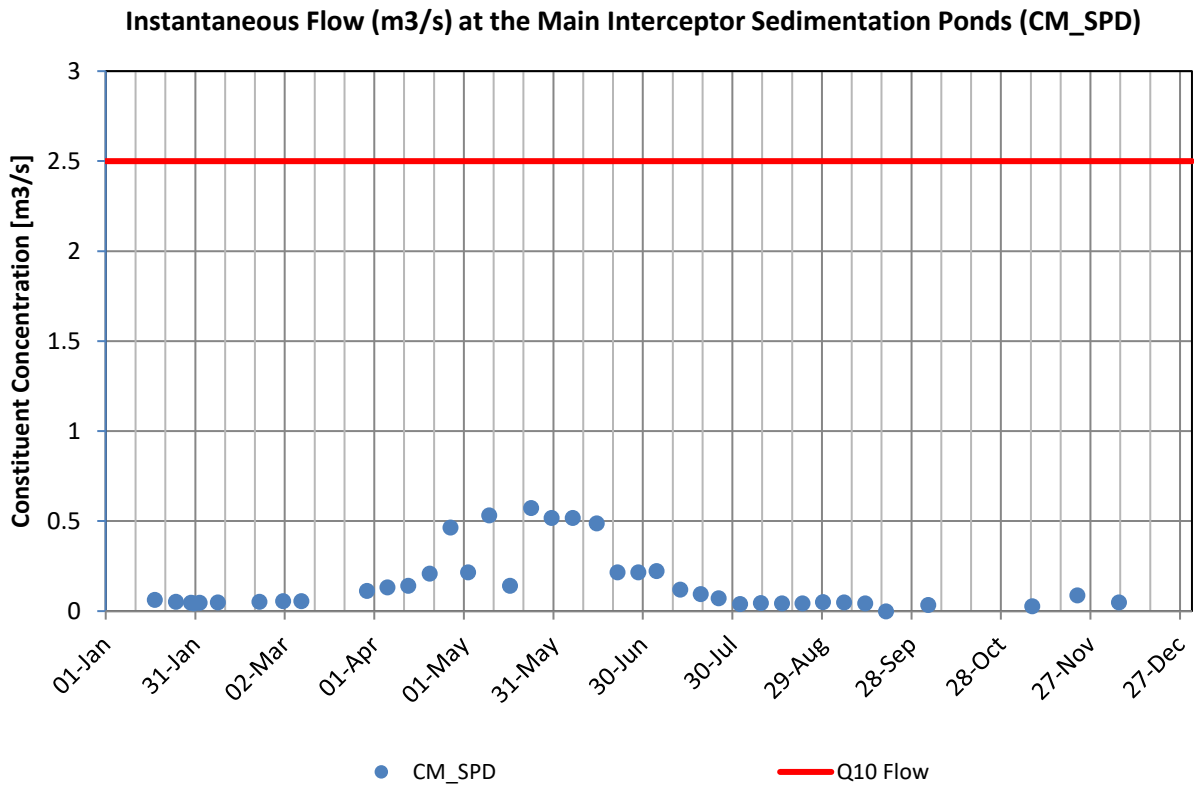


Figure 17: 2017 Instantaneous flow – CM_SPD.

5.2.3 Sewage Treatment Plant and Maintenance Infiltration Ponds Discharge

Flow data for the Treated Domestic Effluent E206439 (CM_SEW) and Discharge to the Maintenance Infiltration Ponds E206437 (CM_WBE) are presented in Figure 18 and 19.

In 2017, measured flow rates of CM_SEW effluent ranged from 11.79 m^3/day on November 7 to 15.93 m^3/day on December 6. Measured flows did not exceed the permit limit of 56.8 m^3/d in 2017.

Flow measurements for the Maintenance Infiltration Ponds (CM_WBE) influent ranged from 9.63 m^3/day on November 23 to 31.43 m^3/day on Jan 19. The permit limit of 120 m^3/day was not exceeded.

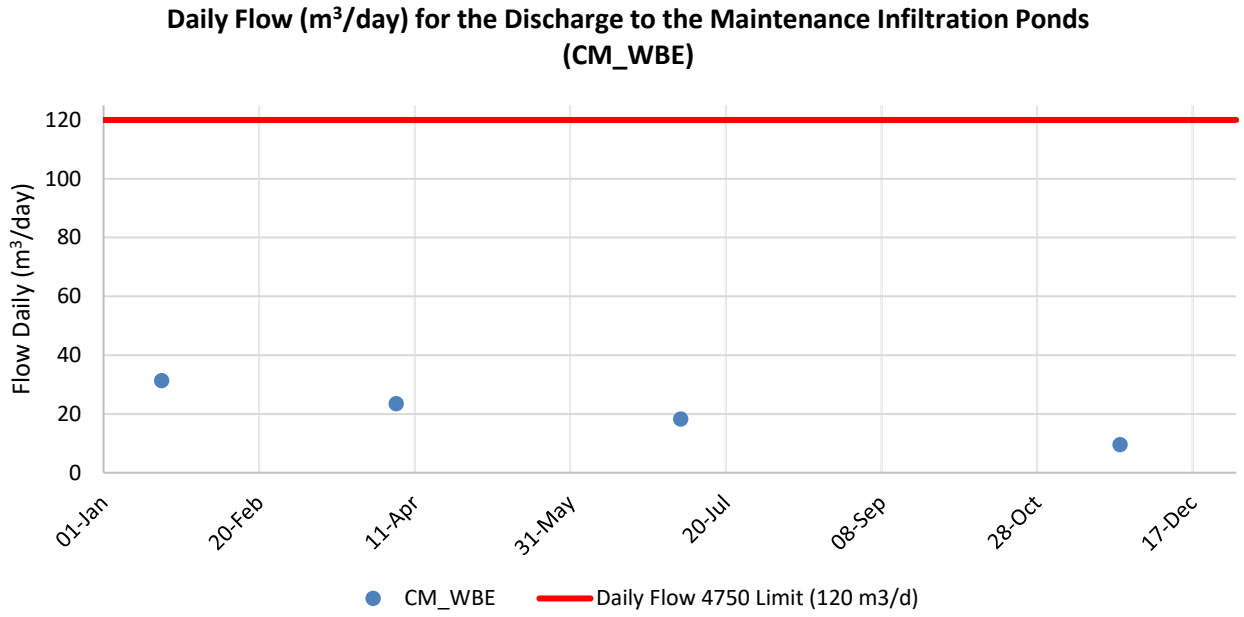


Figure 18: CM_WBE daily flow (m³/day).

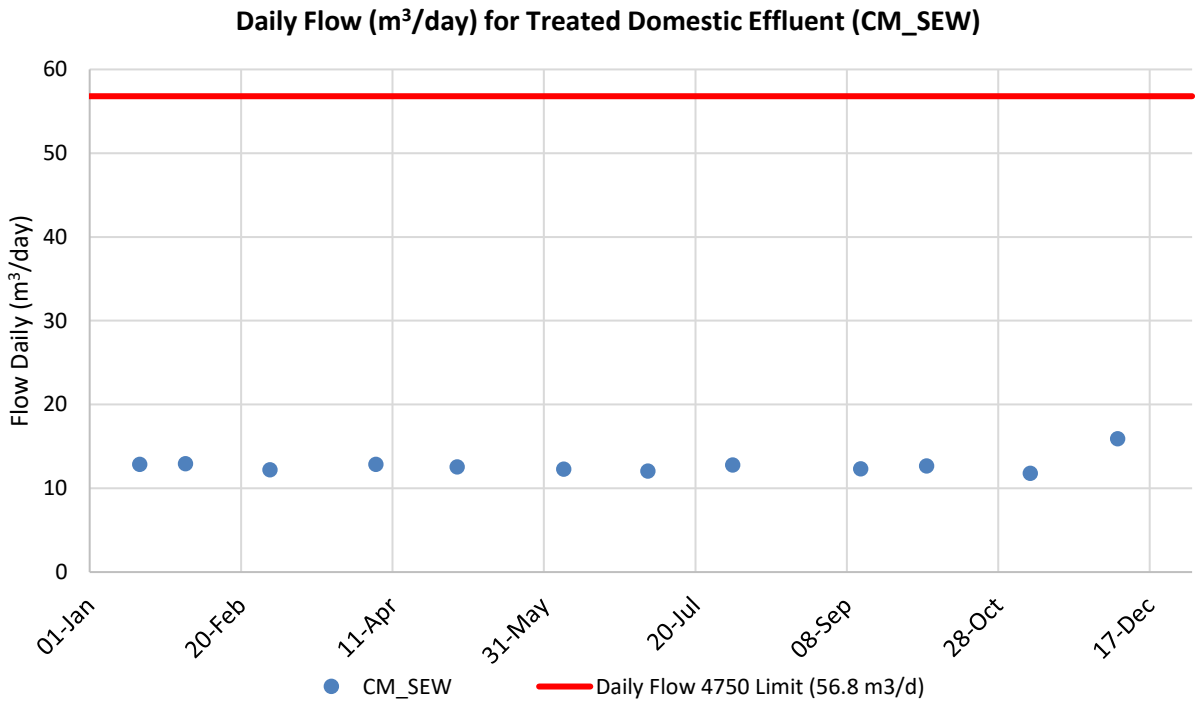


Figure 19: CM_SEW daily flow (m³/day).

6 Management Plan Summary

6.1 Water Management Plan

Teck has developed a Care and Maintenance Integrated Water Management Plan (IWMP) for CMO, which was submitted December 2017 to the Ministry of Energy, Mines, and Petroleum Resources (EMPR) for review. This plan describes the approach to water management at CMO during the care and maintenance period (planned over the next ten years prior to active closure) and acts as a repository where site information related to water management is centralized.

The overarching water management goals at CMO are to identify and manage water-related risks, maintain compliance with permit limits, and continually improve water quality by reducing sediment and mine-related constituents.

6.1.1 Pit Pumping Water Management in 2017

In 2017, CMO conducted active dewatering of 34 and 6 Pits as authorized under Section 3.2 of Permit 4750, Pit Pumping Plans.

As required in Section 5.2 (iii) of Permit 4750, total estimated pumping volumes for 2017 were as follows:

- 1 364 965,2 m^3 from 34 Pit; and
- 300 867.66 m^3 from 6 Pit.

6.2 Flocculant Management Plan

In 2017, work continued to improve on the automation of CMO's North Ditch Flocculant station. A noticeable increase in the volume of flocculant used from the previous year is partially due to earlier detection of increasing turbidity and being able to apply flocculant as soon as the turbidity rises above the minimum level for dosing. Further upgrades planned in 2018 will enable more accurate dispensing and tracking of flocculant used.

In 2017, CMO dispensed 1,674L of cationic floc and 254.5 L of anionic floc at the North Ditch Flocculant Station, all in accordance with approved 2015 Flocculant Management Plan (FMP) rates. Flocculant dosing took place over a total duration of 1,241 hours. Daily maximum concentrations vary depending on turbidity and flow rate in the North Ditch. All anionic floc is dispensed with water as a 3% anionic floc solution whereas Cationic flocculant is dispensed at 100 % concentration or undiluted. Flocculant products used at CMO are cationic CYFLOC™ C-591 and an anionic CYFLOC A-1849RS; both flocculants are manufactured by Cytec Industries Inc. Figures 20 and 21 show the amount of cationic and anionic flocculant used per month as well as the duration of flocculant dosing per month. CMO also consumed six Water Lynx 494 portable flocculant blocks (manufactured by Clearflow Enviro Systems Group Inc.) in three locations upstream of the Main Interceptor Sedimentation Ponds in accordance with the approved FMP.

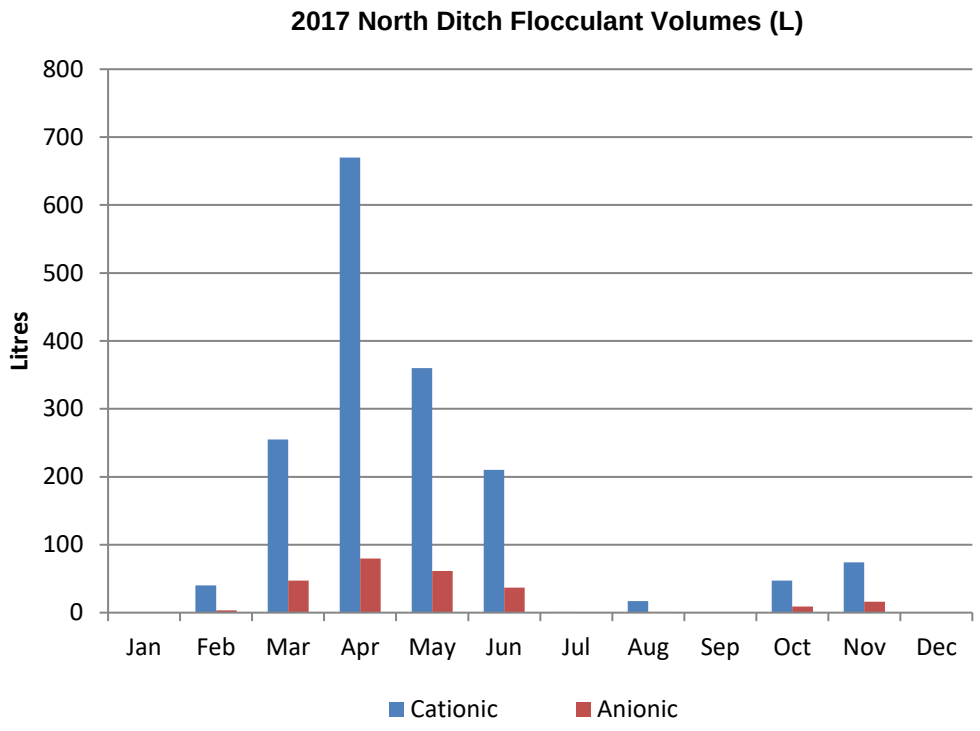


Figure 20: Total volume of flocculant used at North Ditch flocculant station.

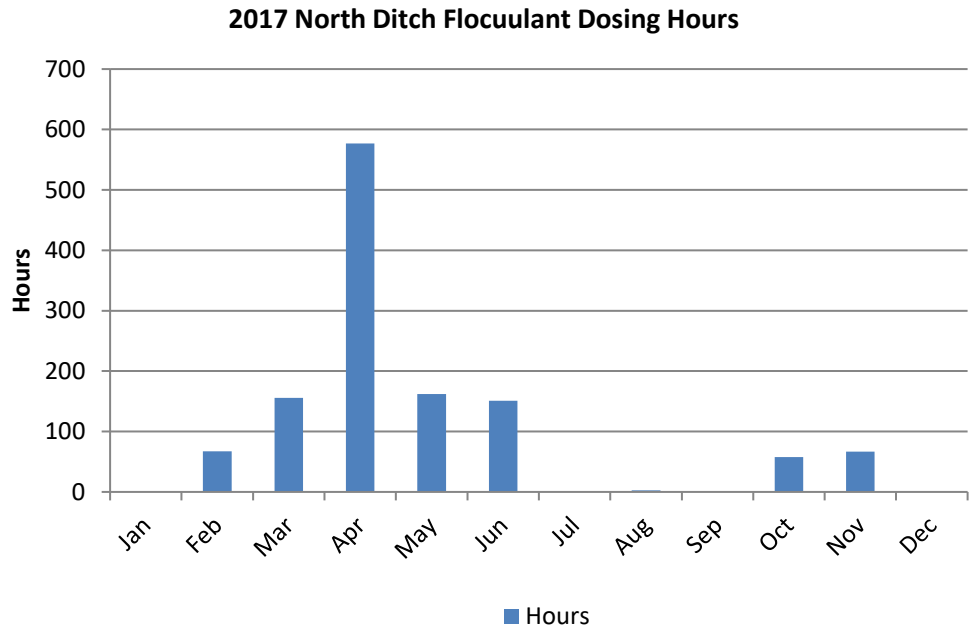


Figure 21: Total duration of flocculant dosing at North Ditch flocculant station.

6.3 Emulsion Facilities Water Management Plan

On September 1, 2016 CMO submitted an Emulsion Facilities Water Management Plan (or Plan) to ENV as required under Section 3.5 in Permit 4750.

The Plan describes the approach to water management that avoids or minimizes the release of nitrogen forms (ammonia, nitrogen dioxide, nitrite and nitrate) at each of the areas where CMO stores or handles blasting products:

- Ammonium Nitrate Prill Silo Sump – E306116;
- Emulsion Shop Sump – E306136; and
- Emulsion Silo.

The objective of the Plan is to implement management activities and procedures that reduce the environmental risks associated with surface water runoff from CMO's emulsion facilities. To achieve this objective, the following actions are performed:

- Runoff from the Emulsion Shop and the Ammonium Nitrate Prill Silo areas is directed to infiltration sumps;
- Runoff from the Emulsion Silo storage facility is directed into 34 Pit;
- The facilities are regularly inspected; and
- Contingency plans are prepared.

In August 2016, Ammonium Nitrate Prill Silo sump E306116 (CM_PR-SILO) and Emulsion Shop sump E306136 (CM_MAX-SHOP) were sized to store runoff from a 12 hour Q_{10} event assuming zero infiltration. Berms were constructed around the infiltration sumps to help capture and retain surface water runoff. Surface water runoff from each facility is directed toward the permitted discharge location.

Section 1.8.1 of Permit 4750 sets a limit of 60 mg/L EPH for the sumps.

All samples collected at Ammonium Nitrate Prill Silo Sump E306116 (CM_PR-SILO) and Emulsion Shop Sump E306136 (CM_MAX-SHOP) were below the 60 mg/L EPH permit limit (Figure 6).

CMO completed its final blasting operation on November 17th, 2017. Since then Maxam has vacated the Emulsion Shop building and it is no longer being used to service or store blast related equipment and gear. This building is therefor no longer associated with Emulsion product handling and CMO will likely be looking to amend Permit 4750 to reflect these changes in 2018. The Emulsion Silo was also decommissioned in October 2017 and is no longer used for storage of emulsion product at CMO.

7 Summary and Conclusions

This report summarizes Teck Coal Limited – Coal Mountain Operations 2017 permitted effluent monitoring program and satisfies the annual reporting requirements for *Environmental Management Act* Permit 4750 (amended April 8, 2016 and July 25, 2016). Requirements for Permit 107517 (originally issued on November 19, 2014) will be detailed in a separate annual report.

Consistent with previous years, TSS concentrations and turbidity values were most elevated during the end of May / beginning of June and again in October / November, coinciding with freshet flow and increased precipitation in the fall. CMO experienced one TSS exceedance in 2017 and this exceedance was possibly due to low stagnant flows and sample contamination due to mixing of substrate at time of sampling. Field Turbidity recorded at time of sampling indicated stream was otherwise clear. 99% of the TSS samples collected in 2017 remained below the 50 mg/L discharge limit

TSS and BOD_5 concentrations for E206439 (CM_SEW) and EPH concentrations for E206437 (CM_WBE) were below permit limits. Measured daily flows for both locations were below discharge limits.

In 2017, CMO dispensed 1,674 L of cationic flocculant and 254.5 L of anionic flocculant. All anionic flocculant is dispensed with water as a 3% anionic floc solution whereas Cationic flocculant is dispensed at 100 % concentration or undiluted. In addition, six Water Lynx 494 flocculant blocks were used in 2017.

During 2017, seventeen (17) Provincial Emergency Program spills were reported related to hydrocarbons. Where possible, corrective and/or preventative actions were implemented to address spills and to prevent re-occurrences.

Water management improvements consisted of continued upgrades to the North Ditch Flocculant station, and fish salvage work on the Main Interceptor Sedimentation Ponds such that the ponds and all associated upstream appurtenances can now be considered non-fish bearing. A permanent fish barrier was added to the Main Interceptor Sedimentation Ponds to Corbin Creek discharge just above CM_SPD (E102488) on December 1, 2017.

The Seven Pit Settling Ponds (SPSPs) were decommissioned in 2017. The SPSPs were located southwest of the active mining area and were originally constructed in 1980 to settle out solids from surface water runoff from 7 Pit. A decommissioning design was provided by a qualified professional which included channel sizing to ensure that the restored channels and culverts were adequately designed. Ponds and diversion berms were breached, the original creek channels were restored as closely as possible to their original alignment, and the pond area was regraded to the natural slope. Excavated channels were protected with rip-rap and vegetation treatments are planned to include appropriate trees and shrubs for the riparian zones and surrounding area. Historical channels from which water was diverted will be protected by the vegetation in the channels when flow is reintroduced. Except where re-aligned, they were not armored with additional riprap as they are assumed to be naturally sized for the given drainage areas. Additional culverts were installed under the adjacent forestry road where required. Some additional grading, as well restoration work including planting and seeding with native species, is planned for summer 2018.

8 Appendices

Appendix A - QAQC Data

2017 Field Blank Summary

Analyte	Total Suspended Solids, Lab	Turbidity, Lab
Analytic Method	SM2540D	E180.1
Unit	mg/L	NTU
Date	Result	Result
1/17/2017	< 1.0	< 0.10
2/1/2017	< 1.0	0.10
3/1/2017	< 1.0	< 0.10
3/22/2017	< 1.0	< 0.10
4/12/2017	< 1.0	0.17
4/19/2017	< 1.0	< 0.10
4/26/2017	< 1.0	< 0.10
5/2/2017	< 1.0	< 0.10
5/9/2017	< 1.0	< 0.10
5/16/2017	< 1.0	< 0.10
5/23/2017	< 1.0	< 0.10
5/30/2017	< 1.0	< 0.10
6/6/2017	< 1.0	0.34
6/6/2017	< 1.0	< 0.10
6/14/2017	< 1.0	< 0.10
6/21/2017	< 1.0	0.86
6/28/2017	< 1.0	0.27
7/4/2017	< 1.0	N/A
7/5/2017	1.2	0.15
7/12/2017	< 1.0	< 0.10
7/19/2017	< 1.0	< 0.10
7/25/2017	< 1.0	0.17
8/1/2017	< 3.0	< 0.10
8/8/2017	< 1.0	< 0.10
8/15/2017	< 1.0	< 0.10
8/22/2017	< 1.0	0.11
8/29/2017	< 1.0	< 0.10
9/5/2017	< 1.0	< 0.10

Analyte	Total Suspended Solids, Lab	Turbidity, Lab
Analytic Method	SM2540D	E180.1
Unit	mg/L	NTU
Date	Result	Result
9/12/2017	< 1.0	< 0.10
9/19/2017	< 1.0	< 0.10
9/27/2017	< 1.0	< 0.10
10/3/2017	< 1.0	< 0.10
10/4/2017	< 1.0	0.26
10/10/2017	< 1.0	0.26
10/17/2017	< 1.0	< 0.10
10/24/2017	< 1.0	0.33
10/31/2017	< 1.0	< 0.10
11/7/2017	< 1.0	< 0.10
11/14/2017	< 1.0	< 0.10
11/21/2017	< 1.0	< 0.10
11/28/2017	< 1.0	< 0.10
12/6/2017	< 1.0	< 0.10
12/12/2017	< 1.0	< 0.10
12/19/2017	< 1.0	< 0.10
12/27/2017	< 1.0	< 0.10

Location:	CM_CC1	CM_CC1
Sample ID:	CM_CC1_M_WS_20170117_N	CM_NNP_WQ_20170117_217
Date Sampled:	1/17/2017	1/17/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.2	<1	18.18%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.03	0.95	8.08%	Pass

Location:	CM_CC1	CM_CC1
Sample ID:	CM_CC1_M_WS_20170201_N	CM_NNP_WQ_20170201_225
Date Sampled:	2/1/2017	2/1/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	1.7	51.85%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.01	1.13	11.21%	Pass

Location:	CM_CC1	CM_CC1
Sample ID:	CM_CC1_M_WS_20170301_N	CM_NNP_WQ_20170301_233
Date Sampled:	3/1/2017	3/1/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.0	1.4	33.33%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.05	0.9	15.38%	Pass

Location:	CM_CC1	CM_CC1
Sample ID:	CM_CC1_M_WS_20170405_N	CM_NNP_WQ_20170405_249
Date Sampled:	4/5/2017	4/5/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.6	1.6	0.00%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	2.70	2.63	2.63%	Pass

Location:	CM_CC1	CM_CC1
Sample ID:	CM_CC1_M_WS_20170705_N	CM_NNP_M_WQ_20170705_FD
Date Sampled:	7/5/2017	7/5/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.0	2.4	18.18%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.46	1.49	2.03%	Pass

Location:	CM_CC1	CM_CC1
Sample ID:	CM_CC1_WKLY_WS_20170523_N	CM_NNP_WKLY_WQ_20170523_FD
Date Sampled:	5/23/2017	5/23/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	7.8	8.6	9.76%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	4.97	5.2	4.52%	Pass

Location:	CM_CC1	CM_CC1
Sample ID:	CM_CC1_WKLY_WS_20170621_N	CM_NNP_WKLY_WQ_20170621_FD
Date Sampled:	6/21/2017	6/21/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	4.5	4.9	8.51%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	3.75	3.82	1.85%	Pass

Location:	CM_CC1	CM_CC1
Sample ID:	CM_CC1_WKLY_WS_20170905_N	CM_NNP_WKLY_WQ_20170905_FD
Date Sampled:	9/5/2017	9/5/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.8	3.8	30.30%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.68	0.75	9.79%	Pass

Location:	CM_CC1	CM_CC1

Sample ID:	CM_CC1_WS_2017-09-12_N	WS_2017-09-12_007
Date Sampled:	9/12/2017	9/12/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	4.6	128.57%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.57	0.88	42.76%	Pass-2

Location:	CM_CC1	CM_CC1
Sample ID:	CM_CC1_WS_2017-09-19_N	WS_2017-09-19_004
Date Sampled:	9/19/2017	9/19/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.2	1.6	28.57%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.43	0.55	24.49%	Pass-1

Location:	CM_CCPD	CM_CCPD
Sample ID:	CM_CCPD_M_WS_20170606_N	CM_NNP_M_WQ_20170606_FD
Date Sampled:	6/6/2017	6/6/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.8	3.4	19.35%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	4.25	4.72	10.48%	Pass

Location:	CM_CCPD	CM_CCPD
Sample ID:	CM_CCPD_WKLY_WS_20170628_N	CM_NNP_WKLY_WQ_20170628_FD
Date Sampled:	6/28/2017	6/28/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Category1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.3	<1	26.09%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.01	1.55	42.19%	Pass-2

Location:	CM_CCPD	CM_CCPD
Sample ID:	CM_CCPD_WKLY_WS_20170712_N	CM_NNP_WKLY_WQ_20170712_FD
Date Sampled:	7/12/2017	7/12/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Category1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.3	1.1	16.67%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.68	1.65	1.80%	Pass

Location:	CM_CCPD	CM_CCPD
Sample ID:	CM_CCPD_WKLY_WS_20171010_N	CM_NNP_WKLY_WS_20171010_FD
Date Sampled:	10/10/2017	10/10/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	14.5	7.5	**63.64%**	Fail
TURBIDITY, LAB	0.1	0.1	0.1	ntu	8.24	4.86	**51.60%**	Fail

Location:	CM_CCPD	CM_CCPD
Sample ID:	CM_CCPD_WKLY_WS_20171024_N	CM_NNP_WKLY_WS_20171024_FB
Date Sampled:	10/24/2017	10/24/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	8.7	8.9	2.27%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	6.42	5.79	10.32%	Pass

Location:	CM_CCPD	CM_CCPD
Sample ID:	CM_CCPD_WKLY_WS_20171212_N	CM_NNP_WKLY_WS_20171212_FD
Date Sampled:	12/12/2017	12/12/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.1	1.9	10.00%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	2.68	2.89	7.54%	Pass

Location:	CM_CCPD	CM_CCPD

Sample ID:	CM_CCPD_WKLY_WS_20171219_N	CM_NNP_WKLY_WS_20171219_FD
Date Sampled:	12/19/2017	12/19/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.3	2.3	0.00%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	3.14	3.32	5.57%	Pass

Location:	CM_CCPD	CM_CCPD
Sample ID:	CM_CCPD_WS_2017-10-02_N	WS_2017-10-02_007
Date Sampled:	10/3/2017	10/3/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	4.7	3.2	37.97%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	4.23	3.56	17.20%	Pass

Location:	CM_CCPD	CM_CCPD
Sample ID:	CM_CCPD_WS_2017-12-06_N	WS_2017-12-06_037
Date Sampled:	12/6/2017	12/6/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.5	2.7	7.69%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	3.42	4.08	17.60%	Pass

Location:	CM_MC1	CM_MC1
Sample ID:	CM_MC1_M_WS_20170801_N	CM_NNP_M_WQ_20170801_FD
Date Sampled:	8/1/2017	8/1/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	<1	0.00%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.41	0.52	23.66%	Pass-1

Location:	CM_MC1	CM_MC1
Sample ID:	CM_MC1_WKLY_WQ_20170829_N	CM_NNP_WKLY_WQ_20170829_FD
Date Sampled:	8/29/2017	8/29/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	4.1	121.57%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.58	0.52	10.91%	Pass

Location:	CM_MC1	CM_MC1
Sample ID:	CM_MC1_WKLY_WS_20170509_N	CM_NNP_WKLY_WQ_20170509_FD
Date Sampled:	5/9/2017	5/9/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	3.8	3.8	0.00%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	2.87	2.94	2.41%	Pass

Location:	CM_MC1	CM_MC1
Sample ID:	CM_MC1_WKLY_WS_20170516_N	CM_NNP_WKLY_WQ_20170516_FD
Date Sampled:	5/16/2017	5/16/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.7	4.9	57.89%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	2.36	2.93	21.55%	Pass-2

Location:	CM_MC1	CM_MC1
Sample ID:	CM_MC1_WKLY_WS_20170530_N	CM_NNP_WKLY_WQ_20170530_FD
Date Sampled:	5/30/2017	5/30/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	27.2	30.2	10.45%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	20.5	20.2	1.47%	Pass

Location:	CM_MC1	CM_MC1

					Sample ID:	CM_MC1_WKLY_WS_20170808_N	CM_NNP_WKLY_WQ_20170808_FD	
					Date Sampled:	8/8/2017	8/8/2017	
					Sample Type:	Primary	Secondary	
Analyte	**Detection Limit Pri.**	**Detection Limit Dup.**	**Detection Limit Tri.**	**Units**			**Primary vs. Duplicate**	**Category1**
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	<1	0.00%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.35	0.34	2.90%	Pass

					Location:	CM_MC1	CM_MC1	
					Sample ID:	CM_MC1_WKLY_WS_20170815_N	CM_NNP_WKLY_WQ_20170815_FD	
					Date Sampled:	8/15/2017	8/15/2017	
					Sample Type:	Primary	Secondary	
Analyte	**Detection Limit Pri.**	**Detection Limit Dup.**	**Detection Limit Tri.**	**Units**			**Primary vs. Duplicate**	**Category1**
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	1.2	18.18%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.35	0.36	2.82%	Pass

					Location:	CM_MC1	CM_MC1	
					Sample ID:	CM_MC1_WKLY_WS_20170822_N	CM_NNP_WKLY_WQ_20170822_FD	
					Date Sampled:	8/22/2017	8/22/2017	
					Sample Type:	Primary	Secondary	
Analyte	**Detection Limit Pri.**	**Detection Limit Dup.**	**Detection Limit Tri.**	**Units**			**Primary vs. Duplicate**	**Category1**
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.0	<1	0.00%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.44	0.49	10.75%	Pass

Location:	CM_MC2	CM_MC2
Sample ID:	CM_MC2_WKLY_WS_20170412_N	CM_NNP_WKLY_WQ_20170412_007
Date Sampled:	4/12/2017	4/12/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Category1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.7	1.1	42.86%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.61	1.41	13.25%	Pass

Location:	CM_MC2	CM_MC2
Sample ID:	CM_MC2_WKLY_WS_20170424_N	CM_NNP_WKLY_WQ_20170424_019
Date Sampled:	4/24/2017	4/24/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Category1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	9.0	8.8	2.25%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	6.91	7.1	2.71%	Pass

Location:	CM_MC2	CM_MC2
Sample ID:	CM_MC2_WKLY_WS_20170614_N	CM_NNP_WKLY_WQ_20170614_FD
Date Sampled:	6/14/2017	6/14/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	22.8	23.6	3.45%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	13.8	14.1	2.15%	Pass

Location:	CM_MC2	CM_MC2
Sample ID:	CM_MC2_WKLY_WS_20170719_N	CM_NNP_WKLY_WQ_20170719_FD
Date Sampled:	7/19/2017	7/19/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	2	1	1	mg/l	6.8	2.7	86.32%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.81	0.72	11.76%	Pass

Location:	CM_MC2	CM_MC2
Sample ID:	CM_MC2_WKLY_WS_20170725_N	CM_NNP_WKLY_WQ_20170725_FD
Date Sampled:	7/25/2017	7/25/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.4	1.6	40.00%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.03	0.46	**76.51%**	Fail

Location:	CM_MC2	CM_MC2

Sample ID:	CM_MC2_WKLY_WS_20171114_N	CM_NNP_WKLY_WS_20171114_N
Date Sampled:	11/14/2017	11/14/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Category1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	<1	0.00%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.47	0.47	0.00%	Pass

Location:	CM_MC2	CM_MC2
Sample ID:	CM_MC2_WKLY_WS_20171121_N	CM_NNP_WKLY_WS_20171121_FD
Date Sampled:	11/21/2017	11/21/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Category1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	<1	0.00%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.42	0.38	10.00%	Pass

Location:	CM_MC2	CM_MC2
Sample ID:	CM_MC2_WKLY_WS_20171128_N	CM_NNP_WKLY_WS_20171128_FD
Date Sampled:	11/28/2017	11/28/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Category1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.0	1.8	10.53%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	2.07	3.22	43.48%	Pass-2

Location:	CM_MC2	CM_MC2
Sample ID:	CM_MC2_WKLY_WS_20171227_N	CM_NNP_WKLY_WS_20171227_FD
Date Sampled:	12/27/2017	12/27/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Category1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.6	1	46.15%	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.72	0.82	12.99%	Pass

Location:	CM_PC2	CM_PC2
Sample ID:	CM_PC2_M_WKLY_WS_20170419_N	CM_NNP_WKLY_WQ_20170419_013
Date Sampled:	4/19/2017	4/19/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Category1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	9.7	4.5	**73.24%**	Fail
TURBIDITY, LAB	0.1	0.1	0.1	ntu	2.88	2.14	29.48%	Pass-2

Location:	CM_SPD	CM_SPD
Sample ID:	CM_SPD_M_WS_20170405_N	CM_NNP_WQ_20170405_002
Date Sampled:	4/5/2017	4/5/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	16.2	16.3	0.62%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	8.11	7.62	6.23%	Pass

Location:	CM_SPD	CM_SPD
Sample ID:	CM_SPD_M_WS_20170502_N	CM_NNP_M_WQ_20170502_FD
Date Sampled:	5/2/2017	5/2/2017
Sample Type:	**Primary**	**Secondary**

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units			Primary vs. Duplicate	Categor y1
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	5.2	5.6	7.41%	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	3.60	3.37	6.60%	Pass

RPD Control Limits

Pass - RPD <= 20%

Pass-1 - RPD > 20%, Analysis results < 5 times Detection Limit

Pass-2 - RPD > 20% and RPD <= 50%, Analysis result > 5 times Detection Limit and < 999 times Detection Limit

Exceeds RPD Control Limits

Appendix B - 2017 Monitoring Data

1. 2017 Flow Data (m^3/s) – Discharge Locations

Site ID	CM_CCPD	CM_PC2	CM_SPD
EMS Code	E206438	E298733	E102488
1/17/2017	0.156		0.063
1/24/2017			0.053
1/29/2017			0.0471
1/30/2017			0.044
2/1/2017	0.149		0.0472
2/7/2017			0.05
2/21/2017			0.053
3/1/2017	0.156		0.056
3/7/2017			0.0561
3/29/2017			0.113
4/5/2017	0.134		0.133
4/12/2017	0.1612768	0.00012714	0.141770504
4/19/2017	0.14851092		0.210043417
4/26/2017	0.218	0.0287	0.46512
5/2/2017	0.218	0.009573	0.217
5/9/2017	0.628	0.178	0.532
5/16/2017	0.834	0.137	0.141
5/23/2017	1.043	0.347	0.57295
5/30/2017	1.146	0.3473	0.51857
6/6/2017	0.9775	0.1561	0.51857
6/14/2017	0.708	0.04791	0.488782
6/21/2017	0.4599	0.02117	0.2171
6/28/2017	0.3757	0.00507	0.217058
7/4/2017			0.2242
7/5/2017	0.413	0.0003	
7/12/2017	0.356	0	0.1198
7/19/2017	0.2394	0	0.09569
7/25/2017	0.249	0	0.07323
8/1/2017	0.2146	0	0.04066
8/8/2017		0	0.0455
8/15/2017		0	0.04439
8/22/2017	0.17457	0	0.04439
8/29/2017		0	0.05065
9/5/2017		0	0.04948
9/12/2017	0.1028	0	0.04331
9/19/2017	0.10276	0	0.0000460721
9/26/2017		0	
10/3/2017	0.113400418	0	0.034253685

Site ID	CM_CCPD	CM_PC2	CM_SPD
EMS Code	E206438	E298733	E102488
10/10/2017	0.08306	0	
10/17/2017		0	
10/24/2017	0.09264	0	
10/31/2017		0	
11/7/2017	0.06714	0	0.02849
11/14/2017		0	
11/21/2017		0	
11/22/2017	0.12457		0.088903
11/24/2017		0.06467	
11/28/2017	0.180041	0	
12/6/2017	0.169	0	0.050
12/12/2017	0.161	0	0.146
12/19/2017	0146	0	
12/27/2017	0.199	0	
Minimum	0.06714	0	0.0000460721
Maximum	1.146	0.3473	0.57295
Mean	0.31473	0.03534	0.15355
Median	0.17731	0	0.063
Standard Deviation	0.29517	0.08641	0.16793
Sample Size	34	38	39

2. 2017 TSS & Turbidity Data –Discharge Locations

Parameter	TOTAL SUSPENDED SOLIDS (TSS), LAB			TURBIDITY, LAB		
Unit	mg/L			NTU		
Site ID	CM_CCPD	CM_PC2	CM_SPD	CM_CCPD	CM_PC2	CM_SPD
EMS Code	E206438	E298733	E102488	E206438	E298733	E102488
Date						
1/17/2017	3.1		1.6	3.44		1.68
2/1/2017	1.3		1.9	0.95		2.8
3/1/2017	< 1.0		1.6	1.22		2.07
4/5/2017	1.9		16.2	4.06		8.11
4/10/2017			8.2			
4/12/2017	1.2	< 1.0	2.7	4.93	0.15	3.4
4/19/2017	22.7	9.7	3.9	6.98	2.88	4.37
4/26/2017	2.2	< 1.0	8.8	2.79	0.19	15.0
4/27/2017			20.9			
4/28/2017			18.1			
4/28/2017			21.3			

Parameter	TOTAL SUSPENDED SOLIDS (TSS), LAB			TURBIDITY, LAB		
Unit	mg/L			NTU		
Site ID	CM_CCPD	CM_PC2	CM_SPD	CM_CCPD	CM_PC2	CM_SPD
EMS Code	E206438	E298733	E102488	E206438	E298733	E102488
5/2/2017	15.2		5.2	7.16		3.6
5/5/2017			32.4			
5/5/2017			26.6			
5/6/2017	2.8		39.5			
5/6/2017			29.0			
5/6/2017			20.0			
5/6/2017			21.0			
5/7/2017			12.2			
5/9/2017	6.2	< 1.0	10.5	10.8	0.29	12.3
5/16/2017	4.7	< 1.0	6.5	5.62	0.28	10.2
5/17/2017	18.2		26.6			
5/17/2017	14.6		16.6			
5/18/2017	3.2		8.6			
5/23/2017	4.4	2.4	8.6	5.85	0.64	9.35
5/30/2017	8.4	< 1.0	7	17.2	0.65	10.5
6/6/2017	2.8		23.6	4.25		16.3
6/14/2017	4.0	< 1.0	8.2	8.69	0.19	3.99
6/21/2017	2.1	< 1.0	12.5	4.89	0.19	10.1
6/28/2017	1.3	< 1.0	2.1	1.01	0.23	1.79
7/4/2017			10.3			7.02
7/5/2017	1.8	1.2		2.26	0.43	
7/12/2017	1.3		4.4	1.68		1.68
7/19/2017	11.3		8.1	4.69		2.37
7/25/2017	58.2		3.8	10.4		3.2
8/1/2017	< 1.0		40.8	1.03		14.0
8/8/2017			13.7			5.68
8/15/2017			3.4			3.72
8/22/2017	2.2		5	1.18		5.1
8/29/2017			1.9			2.49
9/5/2017			5.2			2.72
9/12/2017	4.4		2	2.63		1.03
9/19/2017	3.2		4	2.3		5.96
10/3/2017	4.7		1.6	4.23		1.29
10/3/2017	3.2			3.56		
10/10/2017	14.5			8.24		
10/11/2017	1.9			2.58		
10/19/2017			11.1			13.2
10/19/2017			33.0			35.6

Parameter	TOTAL SUSPENDED SOLIDS (TSS), LAB			TURBIDITY, LAB		
Unit	mg/L			NTU		
Site ID	CM_CCPD	CM_PC2	CM_SPD	CM_CCPD	CM_PC2	CM_SPD
EMS Code	E206438	E298733	E102488	E206438	E298733	E102488
10/20/2017			12.0			22.7
10/23/2017			2.7			7.63
10/24/2017	8.7			6.42		
11/7/2017	1.1		1.3	1.78		1.36
11/22/2017	8.1		2.0	6.87		4.05
11/24/2017		< 1.0			1.02	
11/28/2017	2.4			4.59		
12/6/2017	2.5		1.1	3.42		4.69
12/12/2017	2.1			2.68		
12/19/2017	2.3			3.14		
12/27/2017	< 1.0			1.61		
Minimum	< 1.0	< 1.0	1.1	0.95	0.15	1.03
Maximum	58.2	9.7	40.8	17.2	2.88	35.6
Mean	6.43	1.858	11.786	4.587	0.595	7.251
Median	2.95	1.0	8.4	3.81	0.285	4.53
Standard Deviation	9.903	2.502	10.616	3.397	0.766	7.05
Sample size	40	12	50	36	12	36
Non detects	3	9	0	0	0	0
% Non Detects	7.5	75	0	0.0	0.0	0.0
DL	1.0	1.0	1.0	0.1	0.1	0.1

3. 2017 EPH – CM_CCPD & CM_SPD

Parameter	EPH	
Unit	mg/L	
Site ID	CM_CCPD	CM_SPD
EMS Code	E206438	E102488
1/17/2017	< 0.50	< 0.50
4/5/2017	< 0.50	< 0.50
7/4/2017		< 0.50
7/5/2017	< 0.50	
10/3/2017	< 0.50	< 0.50
Minimum	< 0.50	< 0.50
Maximum	< 0.50	< 0.50
Mean	< 0.50	< 0.50
Median	< 0.50	< 0.50

Standard Dev.	0.0	0.0
Sample Size	4	4
Non Detects	4	4
% Non Detects	100	100
DL	0.5	0.5

4. 2017 Flow Data – Receiving Environment

Site ID	**CM_CC1**	**CM_MC1**	**CM_MC2**
EMS Code	**0200209**	**E258175**	**E258937**
Date	**Flow (m^3/s)**		
1/5/2017	0.287		
1/17/2017	0.191		
1/18/2017		0.055	
1/24/2017	0.194		0.3583
1/29/2017	0.162		0.3397
1/30/2017	0.194		0.3397
2/1/2017	0.168	0.0406	0.322
2/7/2017	0.194		
2/21/2017	0.178		0.2943
3/1/2017	0.159	0.054	0.232
3/7/2017	0.148		0.2877
3/21/2017			1.018
3/22/2017	0.38		1.00884
3/29/2017	0.319		0.6763
4/4/2017	0.355769		
4/5/2017	0.35577	0.080337	0.789982
4/12/2017	0.355769	0.196973	0.740383
4/12/2017			0.740383
4/19/2017	0.666957	0.110711	1.046121
4/24/2017			1.37403
4/26/2017	1.030893	1.152775	
5/2/2017	0.5235	0.22394	1.347
5/9/2017	1.41	0.681	3.99
5/16/2017	1.89426	1.042905	3.7
5/23/2017	2.54	2.99	6.785
5/30/2017	1.955	1.724	6.785
6/6/2017	1.478	1.428	5.384
6/13/2017			3.396

Site ID	CM_CC1	CM_MC1	CM_MC2
EMS Code	0200209	E258175	E258937
Date	Flow (m^3/s)		
6/14/2017	1.1035	1.274	3.987
6/21/2017	0.7206	0.6803	2.476
6/28/2017	0.4053	0.3313	1.867
7/4/2017		0.69	2.69
7/5/2017	0.55		
7/12/2017	0.32	0.1	1.06
7/19/2017	0.41	0.33	1.43
7/25/2017	0.36746	0.06293	1.089
8/1/2017	0.3312	0.1783	0.8297
8/8/2017	0.2936	0.13304	0.6161
8/15/2017	0.19415	0.05606	0.7
8/22/2017	0.1716	0.04547	0.5
8/29/2017	0.1564	0.04547	0.437
9/5/2017	0.1941		
9/12/2017	0.1716	0.0406	0.2989
9/19/2017	0.10857	0.05061	0.3478
9/26/2017		0.04547	0.34
10/2/2017		0.056056	0.142533
10/3/2017			0.241775
10/4/2017	0.159398		
10/5/2017			0.47266
10/6/2017			0.52862
10/10/2017		0.05061	0.3889
10/11/2017			0.5166
10/12/2017			0.5315
10/16/2017			0.4325
10/17/2017		0.05606	0.42836
10/19/2017			1.0912
10/20/2017			1.05046
10/23/2017			0.5693
10/24/2017		0.08106	0.69
10/26/2017			0.43198
10/30/2017			0.369025
10/31/2017		0.06182	0.520715
11/7/2017	0.1366	0.04448	0.1759
11/9/2017			0.17765
11/14/2017			0.1313

Site ID	CM_CC1	CM_MC1	CM_MC2
EMS Code	0200209	E258175	E258937
Date	Flow (m^3/s)		
11/21/2017			0.2235
11/28/2017			0.96372
12/6/2017	0.268	0.081	0.34
12/12/2017			0.329
12/19/2017			0.201
Minimum	**0.10857**	**0.0406**	**0.1313**
Maximum	**2.54**	**2.99**	**6.785**
Mean	**0.517122**	**0.407854**	**1.142384**
Median	**0.319**	**0.08106**	**0.53006**
Standard Dev.	**0.568651**	**0.641927**	**1.49952**
Sample Size	**41**	**35**	**62**

5. 2017 TSS & Turbidity Data – Receiving Environment

Parameter	TOTAL SUSPENDED SOLIDS (TSS), LAB			TURBIDITY, LAB		
Unit	mg/l			NTU		
Site ID	CM_CC1	CM_MC1	CM_MC2	CM_CC1	CM_MC1	CM_MC2
EMS code	0200209	E258175	E258937	0200209	E258175	E258937
Date						
1/17/2017	1.2		1.7	1.03		0.53
1/18/2017		2.0			0.75	
1/30/2017			1.1			0.46
2/1/2017	< 1.0	< 1.0	1.3	1.01	0.37	0.82
2/28/2017			1.1			0.55
3/1/2017	1.0	< 1.0	4.8	1.05	0.22	1.01
3/7/2017			1.1			0.69
3/14/2017			1.2			0.65
3/15/2017	3.2		4.2	2.29		2.28
3/21/2017			4.2			3.1
3/22/2017	3.4		13.4	1.66		6.79
3/29/2017	8.0		2.2	4.06		2.21
4/5/2017	1.6	< 1.0	2.4	2.7	0.53	1.98
4/12/2017	2.5	1.5	1.7	1.43	0.4	1.61
4/19/2017	4.3	1.7	3.5	2.8	0.44	2.72
4/24/2017			9.0			6.91
4/26/2017	6.4	2.8		7.08	1.26	

Parameter	TOTAL SUSPENDED SOLIDS (TSS), LAB			TURBIDITY, LAB		
Unit	mg/l			NTU		
Site ID	CM_CC1	CM_MC1	CM_MC2	CM_CC1	CM_MC1	CM_MC2
EMS code	0200209	E258175	E258937	0200209	E258175	E258937
Date						
5/2/2017	3.6	< 1.0	4.4	1.15	0.41	2.27
5/9/2017	6.8	3.8	16.0	7.14	2.87	11.5
5/16/2017	4.3	2.7	15.9	5.05	2.36	16.4
5/17/2017	13.2					
5/17/2017	10.4					
5/18/2017	4.4					
5/23/2017	7.8	27.2	48.6	4.97	13.9	24.5
5/30/2017	6.2	27.2	70.2	8.38	20.5	43.3
6/6/2017	3.4	18.4	33.8	4.23	10.8	20.5
6/13/2017			6.7			8.14
6/14/2017	2.0	9.4	22.8	2.56	6.46	13.8
6/21/2017	4.5	3.5	13.9	3.75	2.94	9.15
6/28/2017	2.7	1.9	4.9	0.7	1.09	3.73
7/4/2017		2.5	3.9		0.11	1.39
7/5/2017	2.0			1.46		
7/12/2017	3.5	2.8	2.3	1.04	0.78	1.08
7/19/2017	1.7	3.1	6.8	0.37	0.38	0.81
7/25/2017	1.0	< 1.0	2.4	0.43	0.37	1.03
8/1/2017	25.7	< 1.0	2.1	3.49	0.41	0.92
8/8/2017	1.7	< 1.0	5.1	0.74	0.35	1.6
8/15/2017	1.8	< 1.0	3.0	0.99	0.35	1.4
8/22/2017	1.0	1.0	3.4	1.18	0.44	0.85
8/29/2017	2.3	< 1.0	1.1	0.75	0.58	0.52
9/5/2017	2.8			0.68		
9/12/2017	< 1.0	< 1.0	1.6	0.57	0.22	0.53
9/19/2017	1.2	< 1.0	2.2	0.43	0.28	0.35
9/26/2017		1.2	1.2		0.38	0.32
10/2/2017		2.4	1.4		1.28	0.63
10/2/2017			5.2			2.23
10/3/2017			1.2			0.8
10/4/2017	1.2			0.44		
10/5/2017			< 1.0			0.29
10/6/2017			< 1.0			0.46
10/10/2017		< 1.0	1.0		0.16	0.25
10/11/2017			< 1.0			0.34
10/12/2017			< 1.0			0.48
10/16/2017			1.1			0.29

Parameter	TOTAL SUSPENDED SOLIDS (TSS), LAB			TURBIDITY, LAB		
Unit	mg/l			NTU		
Site ID	CM_CC1	CM_MC1	CM_MC2	CM_CC1	CM_MC1	CM_MC2
EMS code	0200209	E258175	E258937	0200209	E258175	E258937
Date						
10/17/2017		< 1.0	5.2		0.22	2.08
10/19/2017			154			66.5
10/20/2017			4.6			4.01
10/23/2017			1.3			1.3
10/24/2017		< 1.0	1.3		0.42	1.18
10/26/2017			1.4			0.83
10/30/2017			1.7			1.37
10/31/2017		< 1.0	1.5		0.3	0.6
11/7/2017	3.3	2.3	8.9	0.65	0.8	3.08
11/9/2017			< 1.0			0.5
11/14/2017			< 1.0			0.47
11/21/2017			< 1.0			0.42
11/28/2017			2.0			2.07
12/6/2017	1.1	< 1.0	< 1.0	1.24	0.56	0.59
12/12/2017			1.7			0.93
12/19/2017			< 1.0			0.64
12/27/2017			1.6			0.72
Minimum	< 1.0	< 1.0	< 1.0	0.37	0.11	0.25
Maximum	25.7	27.2	154	8.38	20.5	66.5
Mean	4.32	6.12	9.64	2.28	2.11	4.59
Median	3.2	2.7	2.4	1.21	0.44	1.03
Standard Dev.	4.67	8.41	23.44	2.15	4.37	10.58
Sample size	37	35	63	34	35	63
Non detects	2	16	9	0	0	0
% Non detects	5.4	45.7	15	0	0	0
DL	1.0	1.0	1.0	0.10	0.10	0.10

6. 2017 E206437 (CM_WBE) Data

Parameter	Daily Flow	EPH Total
Unit	m^3/day	mg/L
1/19/2017	31.43	1.34
4/5/2017	23.58	4.78
7/5/2017	18.33	5.91
11/23/2017	9.63	0.57

Minimum	9.63	0.57
Maximum	31.43	5.91
Mean	20.74	3.15
Median	20.96	3.06
Standard Dev.	9.16	2.6
Sample size	4	4
Non detects	n/a	0
% Non detects	n/a	0
DL	n/a	0.5

7. 2017 E206439 (CM_SEW) Data

Parameter	**Turbidity**	**TSS**	**BOD_5**	**Daily Flow**
Unit	**NTU**	**mg/L**	**mg/L**	**m^3/day**
1/17/2017	0.16	< 1.0	< 2.0	12.877
2/1/2017	0.22	< 1.0	< 1.0	12.94
3/1/2017	0.56	< 1.0	< 2.0	12.2
4/5/2017	0.19	< 1.0	< 2.0	12.854
5/2/2017	0.2	< 1.0	< 0.5	12.544
6/6/2017	0.34	< 1.0	< 2.0	12.286
7/4/2017		< 1.0	< 2.0	12.079
8/1/2017	0.29	< 1.0	< 2.0	12.793
9/12/2017	0.81	2.0	< 2.0	12.333
10/4/2017	0.14	< 1.0	< 2.0	12.691
11/7/2017	0.22	< 1.0	< 2.0	12.794
12/6/2017	0.47	< 1.0	< 1.0	15.931
Minimum	0.14	< 1.0	< 0.5	11.794
Maximum	0.81	2.0	< 2.0	15.931
Mean	0.329	2.0	n/a	12.777
Median	0.255	2.0	n/a	12.618
Standard Deviation	0.198	0	n/a	1.056
Sample Size	11	12	12	12
Non Detects	0	11	12	n/a
% Non Detects	0	91.7	100	n/a
DL	0.1	1.0	2.0 1.0 0.5	n/a

8. 2017 QA/QC Data Collected

Location	Date	Sample Type	TSS (mg/L)	Turbidity, Lab (NTU)
E206438 (CM_CCPD)	6/6/2017	FD	3.4	4.72
	6/6/2017	FB	< 1.0	< 0.1
	6/6/2017	N	2.8	4.25
	6/28/2017	FD	< 1.0	1.55
	6/28/2017	FB	< 1.0	0.27
	6/28/2017	N	1.3	1.01
	7/12/2017	FD	1.1	1.65
	7/12/2017	FB	< 1.0	< 0.1
	7/12/2017	N	1.3	1.68
	10/3/2017	FD	3.2	3.56
	10/3/2017	FB	< 1.0	< 0.1
	10/3/2017	N	4.7	4.23
	10/10/2017	FD	7.5	4.86
	10/10/2017	FB	< 1.0	0.26
	10/10/2017	N	14.5	8.24
	10/24/2017	FD	8.9	5.79
	10/24/2017	FB	< 1.0	0.33
	10/24/2017	N	8.7	6.42
	12/6/2017	FD	2.7	4.08
	12/6/2017	FB	< 1.0	< 0.1
	12/6/2017	N	2.5	3.42
	12/12/2017	FD	1.9	2.89
	12/12/2017	FB	< 1.0	< 0.1
	12/12/2017	N	2.1	2.68
	12/19/2017	FD	2.3	3.32
	12/19/2017	FB	< 1.0	< 0.1
	12/19/2017	N	2.3	3.14
E298733 (CM_PC2)	4/19/2017	FD	4.5	2.14
	4/19/2017	N	9.7	2.88
E102488 (CM_SPD)	4/5/2017	FD	16.3	7.62
	4/5/2017	N	16.2	8.11
	5/2/2017	FD	5.6	3.37
	5/2/2017	FB	< 1.0	< 0.1
	5/2/2017	N	5.2	3.6
0200209 (CM_CC1)	1/17/2017	FD	< 1.0	0.95
	1/17/2017	FB	< 1.0	< 0.1
	1/17/2017	N	1.2	1.03
	2/1/2017	FD	1.7	1.13
	2/1/2017	FB	0.1	< 0.1
	2/1/2017	N	< 1.0	1.01

Location	Date	Sample Type	TSS (mg/L)	Turbidity, Lab (NTU)
	3/1/2017	FD	1.4	0.9
	3/1/2017	FB	<1.0	< 0.1
	3/1/2017	N	1.0	1.05
	4/5/2017	FD	1.6	2.63
	4/5/2017	N	1.6	2.7
	7/5/2017	FD	2.4	1.49
	7/5/2017	FB	1.2	0.15
	7/5/2017	N	2.0	1.46
	5/23/2017	FD	8.6	5.2
	5/23/2017	FB	< 1.0	< 0.1
	5/23/2017	N	7.8	4.97
	6/21/2017	FD	4.9	3.82
	6/21/2017	FB	< 1.0	0.86
	6/21/2017	N	4.5	3.75
	7/5/2017	FB	1.2	0.15
	7/5/2017	N	2.0	1.46
	9/5/2017	FD	3.8	0.75
	9/5/2017	N	2.8	0.68
	9/12/2017	FD	4.6	0.88
	9/12/2017	FB	< 1.0	< 0.1
	9/12/2017	N	< 1.0	0.57
	9/19/2017	FD	1.6	0.55
	9/19/2017	FB	< 1.0	< 0.1
	9/19/2017	N	1.2	0.43
E258175 (CM_MC1)	5/9/2017	FD	3.8	2.94
	5/9/2017	FB	< 1.0	< 0.1
	5/9/2017	N	3.8	2.87
	5/16/2017	FD	4.9	2.93
	5/16/2017	FB	< 1.0	< 0.1
	5/16/2017	N	2.7	2.36
	5/30/2017	FD	30.2	20.2
	5/30/2017	FB	< 1.0	< 0.1
	5/30/2017	N	27.2	20.5
	8/1/2017	FD	< 1.0	0.52
	8/1/2017	FB	< 3.0	< 0.1
	8/1/2017	N	< 1.0	0.58
	8/8/2017	FD	< 1.0	0.34
	8/8/2017	FB	< 1.0	< 0.1
	8/8/2017	N	< 1.0	0.35
	8/15/2017	FD	1.2	0.36
	8/15/2017	FB	< 1.0	< 0.1

Location	Date	Sample Type	TSS (mg/L)	Turbidity, Lab (NTU)
	8/15/2017	N	< 1.0	0.35
	8/22/2017	FD	< 1.0	0.49
	8/22/2017	FB	< 1.0	0.11
	8/22/2017	N	1.0	0.44
	8/29/2017	FD	4.1	0.52
	8/29/2017	FB	< 1.0	< 0.1
	8/29/2017	N	< 1.0	0.58
E258937 (CM_MC2)	3/22/2017	FD	14.8	7.84
	3/22/2017	FB	< 1.0	< 0.1
	3/22/2017	N	13.4	6.79
	4/12/2017	FD	1.1	1.41
	4/12/2017	FB	< 1.0	0.17
	4/12/2017	N	1.7	1.61
	4/24/2017	FD	8.8	7.1
	4/24/2017	N	9.0	6.91
	6/14/2017	FD	23.6	14.1
	6/14/2017	FB	< 1.0	< 0.1
	6/14/2017	N	22.8	13.8
	7/19/2017	FD	2.7	0.72
	7/19/2017	FB	< 1.0	< 0.1
	7/19/2017	N	6.8	0.81
	7/25/2017	FD	1.6	0.46
	7/25/2017	FB	< 1.0	0.17
	7/25/2017	N	2.4	1.03
	11/14/2017	FD	< 1.0	0.47
	11/14/2017	FB	< 1.0	< 0.1
	11/14/2017	N	< 1.0	0.47
	11/21/2017	FD	< 1.0	0.38
	11/21/2017	FB	< 1.0	< 0.1
	11/21/2017	N	< 1.0	0.42
	11/28/2017	FD	1.8	3.22
	11/28/2017	FB	< 1.0	< 0.1
	11/28/2017	N	2.0	2.07
	12/27/2017	FD	1.0	0.82
	12/27/2017	FB	< 1.0	< 0.1
	12/27/2017	N	1.6	0.72

N: normal permitted sample; FD: Field Duplicate; FB: Field Blank

9. 2017 Pit Pumping Data

CHEMICAL_NAME		ALKALINITY, TOTAL (As CaCO3)	ALUMINUM	ALUMINUM	ANTIMONY	ANTIMONY	ARSENIC	ARSENIC	BARIUM	BARIUM	BERYLLIUM	BERYLLIUM	BISMUTH	BISMUTH	BORON	BORON	BROMIDE	CADMIUM	CADMIUM	CALCIUM	CARBON, DISSOLVED ORGANIC	CHLORIDE	CHROMIUM	CHROMIUM	COBALT	COBALT	CONDUCTIVITY, FIELD	CONDUCTIVITY, LAB	COPPER	COPPER	DISSOLVED OXYGEN, FIELD
FRACTION		N	D	T	D	T	D	T	D	T	D	T	D	T	D	T	D	D	T	T	D	D	D	T	D	T	N	N	D	T	N
REPORT_RESULT_UNIT		mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	us/cm	us/cm	ug/l	ug/l	mg/l
SYS_LOC_CODE	SAMPLE_DATE	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
CM_34PIPEDIS	2/21/2017																														6.81
CM_34PIPEDIS	3/1/2017																										1819				10.56
CM_34PIPEDIS	3/7/2017		0.0067	0.0054	3.14	3.10	0.35	0.45	0.0187	0.0204	< 0.020	< 0.020	< 0.000050	< 0.000050	0.162	0.172	< 0.25	0.535	0.600	342		4.1	< 0.10	< 0.10	109	124			< 0.20	< 0.50	11.03
CM_34PIPEDIS	4/5/2017	282	< 0.0010	0.0048	2.95	2.69	0.33	0.43	0.0187	0.0184	< 0.020	< 0.020	< 0.000050	< 0.000050	0.143	0.142	< 0.25	0.534	0.527	312	< 0.50	3.9	< 0.10	< 0.10	109	110		2080	0.25	1.15	15.7
CM_34PIPEDIS	5/2/2017	293	< 0.0010	0.0196	2.78	3.04	0.33	0.52	0.0186	0.0222	< 0.020	< 0.020	< 0.000050	< 0.000050	0.162	0.190	< 0.25	0.538	0.622	361	0.74	3.9	< 0.10	< 0.10	114	128		2160	< 0.20	< 0.50	10.92
CM_34PIPEDIS	6/6/2017	273	< 0.0010	0.0089	2.87	2.89	0.33	0.47	0.0186	0.0212	< 0.020	< 0.020	< 0.000050	< 0.000050	0.150	0.159	< 0.25	0.681	0.788	282	< 0.50	2.7	< 0.10	< 0.10	124	133		1960	0.29	1.03	11.65
CM_34PIPEDIS	7/5/2017	200	< 0.0010	0.0035	2.66	2.55	0.33	0.47	0.0196	0.0183	< 0.020	< 0.020	< 0.000050	< 0.000050	0.177	0.191	< 0.25	0.881	0.809	248	< 0.50	< 2.5	< 0.10	< 0.10	120	116		1840	< 0.20	< 0.50	14.52
CM_34PIPEDIS	8/1/2017	218	< 0.0030	0.0052	3.03	3.12	0.30	0.41	0.0185	0.0190	< 0.020	< 0.020	< 0.000050	< 0.000050	0.171	0.173	< 0.25	0.718	0.792	246	1.05	< 2.5	< 0.10	0.13	107	112		1680	< 0.50	< 0.50	12.38
CM_34PIPEDIS	9/12/2017																														
CM_34PIPEDIS	9/27/2017	174	< 0.0030	0.0037	3.49	3.42	0.32	0.41	0.0184	0.0242	< 0.020	< 0.020	< 0.000050	< 0.000050	0.179	0.192	< 0.25	< 0.0050	0.730	299	1.05	< 2.5	< 0.10	< 0.10	72.3	116		1810	< 0.50	< 0.50	11.3
CM_34PIPEDIS	10/4/2017																														
CM_34PIPEDIS	10/5/2017	226	< 0.0030	0.0046	3.37	3.45	0.34	0.36	0.0189	0.0201	< 0.020	< 0.020	< 0.000050	< 0.000050	0.166	0.188	0.10	0.705	0.751	271	< 0.50	< 2.5	< 0.10	< 0.10	111	112		1670	< 0.50	< 0.50	11.37
CM_34PIPEDIS	10/6/2017	232	< 0.0030	0.0034	3.32	3.37	0.36	0.34	0.0196	0.0207	< 0.020	< 0.020	< 0.000050	< 0.000050	0.176	0.188	< 0.25	0.715	0.778	281	< 0.50	< 2.5	< 0.10	< 0.10	112	115		1820	< 0.50	< 0.50	12.52
CM_34PIPEDIS	10/10/2017																														
CM_34PIPEDIS	10/11/2017	266	< 0.0030	0.0055	3.20	3.32	0.33	0.35	0.0203	0.0215	< 0.020	< 0.020	< 0.000050	< 0.000050	0.174	0.187	< 0.050	0.650	0.690	276	0.81	1.96	< 0.10	< 0.10	98.4	103		1770	< 0.50	< 0.50	12.25
CM_34PIPEDIS	10/12/2017	199	0.0031	0.0052	3.21	3.23	0.35	0.38	0.0202	0.0201	< 0.020	< 0.020	< 0.000050	< 0.000050	0.172	0.202	< 0.050	0.712	0.751	275	0.65	1.39	< 0.10	< 0.10	106	108		1830	< 0.50	< 0.50	13.41
CM_34PIPEDIS	10/16/2017	223	< 0.0030	0.0039	3.12	3.33	0.34	0.31	0.0200	0.0219	< 0.020	< 0.020	< 0.000050	< 0.000050	0.189	0.205	< 0.050	0.581	0.615	284	0.64	2.06	< 0.10	< 0.10	92.6	97.6		1780	< 0.50	< 0.50	14.28
CM_34PIPEDIS	10/17/2017																														
CM_34PIPEDIS	10/19/2017	257	< 0.0030	0.0398	3.08	3.18	0.28	0.39	0.0237	0.0272	< 0.020	< 0.020	< 0.000050	< 0.000050	0.155	0.163	< 0.10	0.613	0.704	290	0.70	2.6	< 0.10	< 0.10	103	112		1850	< 0.50	< 0.50	13.87
CM_34PIPEDIS	10/20/2017	234	< 0.0030	0.0605	3.03	3.21	0.30	0.40	0.0247	0.0294	< 0.020	< 0.020	< 0.000050	< 0.000050	0.169	0.184	< 0.25	0.565	0.608	292	1.25	5.5	< 0.10	0.11	95.9	105		1720	< 0.50	< 0.50	12.65
CM_34PIPEDIS	10/23/2017	250	< 0.0030	0.0231	3.04	3.02	0.41	0.36	0.0268	0.0279	< 0.020	< 0.020	< 0.000050	< 0.000050	0.168	0.182	< 0.25	0.626	0.647	292	< 0.50	3.6	0.11	< 0.10	106	107		1670	< 0.50	< 0.50	13.05
CM_34PIPEDIS	10/24/2017																														
CM_34PIPEDIS	10/26/2017	267	< 0.0030	0.0262	3.53	3.76	0.29	0.34	0.0257	0.0272	< 0.020	< 0.020	< 0.000050	< 0.000050	0.163	0.159	< 0.25	0.586	0.609	274	< 0.50	2.5	< 0.10	0.11	102	105		1940	< 0.50	< 0.50	14.18
CM_34PIPEDIS	10/30/2017	252	< 0.0030	0.0224	3.16	3.28	0.31	0.34	0.0253	0.0257	< 0.020	< 0.020	< 0.000050	< 0.000050	0.167	0.176	< 0.25	0.591	0.554	282	< 0.50	< 2.5	< 0.10	< 0.10	101	107		1990	< 0.50	< 0.50	12.48
CM_34PIPEDIS	10/31/2017																														
CM_34PIPEDIS	11/7/2017																														
CM_34PIPEDIS	11/14/2017																														
CM_34PIPEDIS	11/21/2017																														
CM_34PIPEDIS	11/28/2017																														
CM_34PIPEDIS	12/6/2017																														
CM_34PIPEDIS	12/12/2017																														
CM_34PIPEDIS	12/19/2017																														
CM_34PIPEDIS	12/27/2017																														
CM_6PIT_WELL	7/12/2017																														8.36
CM_6PIT_WELL	7/19/2017																														9.8
CM_6PIT_WELL	7/25/2017	420	< 0.0010	0.0303	1.74	1.80	2.20	2.75	0.119	0.130	< 0.020	< 0.020	< 0.000050	< 0.000050	0.173	0.179	< 0.25	0.0104	0.0131	91.2	0.56	3.6	< 0.10	0.19	4.21	4.39		1080	0.59	1.40	
CM_6PIT_WELL	7/25/2017																														13.16
CM_6PIT_WELL	8/2/2017	431	0.0037	0.0072	2.07	2.02	2.19	1.99	0.0787	0.0812	< 0.020	< 0.020	< 0.000050	< 0.000050	0.175	0.187	< 0.25	< 0.0050	0.0242	102	0.85	3.6	< 0.10	< 0.10	7.95	12.9		1110	< 0.50	< 0.50	
CM_6PIT_WELL	8/2/2017																														12.45
CM_6PIT_WELL	8/8/2017	455	< 0.0030	0.0047	1.35	1.44	1.42	1.47	0.121	0.114	< 0.020	< 0.020	< 0.000050	< 0.000050	0.191	0.193	< 0.10	< 0.0050	0.0068	90.0	1.39	4.5	< 0.10	< 0.10	3.59	3.37		1050	< 0.50	0.56	
CM_6PIT_WELL	8/8/2017																														11.09
CM_6PIT_WELL	8/15/2017																														11.72
CM_6PIT_WELL	8/15/2017	438	< 0.0030	< 0.0030	1.41	1.45	1.02	1.14	0.117	0.119	< 0.020	< 0.020	< 0.000050	< 0.000050	0.202	0.215	< 0.25	< 0.0050	< 0.0050	94.6	< 0.50	5.2	< 0.10	< 0.10	2.40	2.44		1030	< 0.50	< 0.50	
CM_6PIT_WELL	8/22/2017	398	< 0.0030	< 0.0030	1.90	2.05	0.87	1.02	0.118	0.113	< 0.020	< 0.020	< 0.000050	< 0.000050	0.235	0.227	< 0.25	< 0.0050	0.0081	96.2	2.20	4.7	< 0.10	< 0.10	3.22	3.17		1010	< 0.50	< 0.50	
CM_6PIT_WELL	8/22/2017																														10.94
CM_6PIT_WELL	8/29/2017	484	< 0.0030	< 0.0030	0.45	0.49	1.43	1.42	0.129	0.115	< 0.020	< 0.020	< 0.000050	< 0.000050	0.207	0.217	< 0.25	< 0.0050	< 0.0050	86.3	< 0.50	6.3	< 0.10	< 0.10	0.92	0.85		1030	< 0.50	< 0.50	
CM_6PIT_WELL	8/29/2017																														11.37
CM_6PIT_WELL	9/5/2017	452	< 0.0030	< 0.0030	0.30	0.33	1.50	1.44	0.118	0.127	< 0.020	< 0.020	< 0.000050	< 0.000050	0.237	0.224	< 0.10	< 0.0050	< 0.0050	87.9	0.93	6.5	< 0.10	< 0.10	0.64	0.82		1040	< 0.50		
CM_6PIT_WELL	9/5/2017																														11.48
CM_6PIT_WELL	9/12/2017	493	< 0.0030	0.0178	2.78	2.82	0.91	0.95	0.170	0.184	< 0.020	< 0.020	< 0.000050	< 0.000050	0.246	0.261	< 0.25	< 0.0050	< 0.0050	90.7	0.80	11.4	< 0.10	< 0.10	1.14	1.24		938	< 0.50	< 0.50	
CM_6PIT_WELL	9/12/2017																										1140				9.21
CM_6PIT_WELL	9/19/2017																														
CM_6PIT_WELL	9/26/2017																														
CM_6PIT_WELL	10/4/2017	455	< 0.0030	< 0.0030	2.79	2.83	1.68	1.62	0.148	0.143	< 0.020	< 0.020	< 0.000050	< 0.000050	0.166	0.186	< 0.25	0.0052	0.0060	80.8	0.61	5.28	< 0.10	< 0.10	1.44	1.41	1012	928	< 0.50	< 0.50	10.58
CM_6PIT_WELL	10/10/2017	404	< 0.0030	< 0.0030	3.22	3.17	1.78	1.77	0.124	0.128	< 0.020	< 0.020	< 0.000050	< 0.000050	0.161	0.171	0.087	0.0055	0.0080	83.1	0.65	6.25	< 0.10	< 0.10	1.64	1.66		929	< 0.50	< 0.50	10.14
CM_6PIT_WELL	10/17/2017	336	< 0.0030	0.0080	1.33	1.42	2.17	2.32	0.108	0.104	< 0.020	< 0.020	< 0.000050	< 0.000050	0.110	0.120	< 0.050	< 0.0050	0.0093	70.4	0.87	3.63	< 0.10	< 0.10	1.63	1.68		798	< 0.50	< 0.50	10.26
CM_6PIT_WELL	10/24/2017																														
CM_6PIT_WELL	10/31/2017																														12.61
CM_6PIT_WELL	11/7/2017																														
CM_6PIT_WELL	11/9/2017	443	< 0.0030	< 0.0030	2.11	2.10	0.96	1.08	0.134	0.134	< 0.020	0.021	< 0.000050	< 0.000050	0.189	0.205	0.15	0.0111	0.0131	90.4	0.55	9.0	< 0.10	< 0.10	2.85	2.98		1030	< 0.50	< 0.50	
CM_6PIT_WELL	11/14/2017	477	< 0.0050	< 0.015	2.40	2.58	0.85	1.11	0.119	0.120	< 0.10	< 0.10	< 0.00025	< 0.00025	0.173	0.192	0.071	< 0.025	< 0.025	95.2	0.55	8.45	< 0.50	< 0.50	3.24	3.62		1110	< 1.0	< 2.5	11.35
CM_6PIT_WELL	11/21/2017	421	< 0.0030	< 0.0030	0.75	0.78	0.87	0.97	0.140	0.135	< 0.020	< 0.020	< 0.000050	< 0.000050	0.175	0.183	< 0.050	< 0.0050	0.0054	77.4	0.61	6.68	< 0.10	< 0.10	0.96	0.93		994	< 0.50	< 0.50	10.63
CM_6PIT_WELL	11/29/2017	326	< 0.0030	0.0032	0.66	0.77	0.25	0.55	0.0838	0.0896	< 0.020	0.038	< 0.000050	< 0.000050	0.133	0.138	< 0.25	0.0544	0.0726	123	< 0.50	3.5	< 0.10	< 0.10	13.4	14.3		1190	< 0.50	< 0.50	10.61
CM_6PIT_WELL	12/6/2017	374	< 0.0030	< 0.0030	1.19	1.28	0.35	0.53	0.0932	0.0895	< 0.020	0.030	< 0.000050	< 0.000050	0.147	0.151	< 0.050	0.0168	0.0222	117	< 0.50	5.35	< 0.10	< 0.10	6.41	6.75	1228	1240	< 0.50	< 0.50	10.57
CM_6PIT_WELL	12/6/2017																														
CM_6PIT_WELL	12/12/2017	382	< 0.0030	< 0.0030	1.02	1.03	0.49	0.72	0.0855	0.0917	< 0.020	0.025	< 0.000050	< 0.000050	0.153	0.147	< 0.25	0.0159	0.0236	108	< 0.50	5.6	< 0.10	< 0.10	5.18	5.31		1280	< 0.50	< 0.50	11.04
CM_6PIT_WELL	12/19/2017	399	< 0.0030	< 0.0030	0.83	0.89	0.53	0.72	0.0887	0.0905	< 0.020	< 0.020	< 0.000050	< 0.000050	0.154	0.165	< 0.050	0.0110	0.0108	115	0.71	6.74	< 0.10	< 0.10	4.39	4.61		1240	< 0.50	< 0.50	11.46
CM_6PIT_WELL	12/27/2017	421	< 0.0030	< 0.0030	0.80	0.86	0.61	0.75	0.0959	0.0961	< 0.020	< 0.020	< 0.000050	< 0.000050	0.142	0.158	< 0.050	0.0065	0.0132	96.7	< 0.50	7.88	< 0.10	< 0.10	3.04	3.22		1160	< 0.50	< 0.50	9.03
CM_6PITDW	5/23/2017	318	0.0012	0.084	1.33	1.75	0.63	1.14	0.0362	0.0503	< 0.020	0.028	< 0.000050	< 0.00025	0.125	0.172	< 0.25	0.0581	0.093	134	0.52	< 2.5	< 0.10	< 0.50	18.4	19.4		1280	< 0.20	< 2.5	
CM_6PitDW	5/23/2017																														11.71
CM_6PitDW	5/30/2017	350	0.0047	41.6	2.72	1.61	1.06	66.7	0.0657	3.70	< 0.020	6.29	< 0.000050	0.00075	0.227	0.238	< 0.10	0.0470	8.73	615	1.01	< 2.5	< 0.10	84.1	2.44	78.2		1260	< 0.20	150	6.97
CM_6PITDW	6/6/2017	388	0.0023	0.836	2.11	1.79	1.27	4.43	0.0892	0.408	< 0.020	0.403	< 0.000050	0.000087	0.209	0.210	< 0.25	< 0.0050	0.191	140	1.20	< 2.5	< 0.10	2.09	13.4	17.4		1360	6.93	20.5	10.8
CM_6PITDW	6/14/2017	320	0.0026	18.9	4.55	2.81	2.08	35.2	0.102	4.31	< 0.020	7.16	< 0.000050	0.00076	0.189	0.337	< 0.25	0.0260	2.39	273	0.63	< 2.5	< 0.10	33.0	4.76	47.9		1150	< 0.20	133	
CM_6PitDW	6/14/2017																														9.98
CM_6PitDW	6/21/2017																														8.43
CM_6PITDW	6/21/2017	267	0.0059	0.452	3.92	3.70	3.66	4.88	0.0968	0.199	< 0.020	0.132	< 0.000050	< 0.000050	0.309	0.329	< 0.25	< 0.0050	0.148	148	1.53	< 2.5	< 0.10	1.56	7.59	10.6		1150	1.76	5.59	
CM_6PitDW	6/28/2017																														8.74
CM_6PITDW	6/28/2017	426	0.0045	2.47	2.89	2.03	1.98	5.19	0.0735	0.787	< 0.020	0.53	< 0.000050	< 0.00025	0.257	0.289	< 0.25	< 0.0050	0.231	133	1.74	2.8	< 0.10	3.27	6.15	12.3		1240	0.28	15.8	
CM_6PitDW	7/5/2017																														
CM_6PitDW	7/12/2017	377	< 0.0010	0.0211	0.78	0.78	1.02	1.36	0.193	0.198	< 0.020	< 0.020	< 0.000050	< 0.000050	0.164	0.169	< 0.25	< 0.0050	< 0.0050	63.1	0.79	6.3	< 0.10	0.18	1.21	1.27		924	< 0.20	0.55	8.36
CM_6PitDW	7/19/2017	409	< 0.0010	< 0.0030	2.14	2.04	1.52	1.64	0.153	0.136	< 0.020	< 0.020	< 0.000050	< 0.000050	0.183	0.182	< 0.25	< 0.0050	0.0062	79.2	0.86	4.6	< 0.10	< 0.10	2.88	2.78		1060	0.34	< 0.50	9.8
CM_6PitDW	7/25/2017																														
CM_6PitDW	8/1/2017																														
CM_6PitDW	8/8/2017																														
CM_6PitDW	8/15/2017																														
CM_6PitDW	8/22/2017																														
CM_6PitDW	8/29/2017																														
CM_6PitDW	9/5/2017																														
CM_6PITDW	9/12/2017	608	< 0.0030	1.01	4.63	4.22	3.56	4.70	0.371	0.599	< 0.020	0.168	< 0.000050	< 0.000050	0.668	0.679	< 0.25	0.0897	0.116	160	0.95	3.8	< 0.10	1.80	1.65	2.52		1210	< 0.50	1.47	
CM_6PITDW	9/12/2017																										848				3.72
CM_6PITDW	9/19/2017																														
CM_6PitDW	9/26/2017																														
CM_6PITDW	10/4/2017																														
CM_6PITDW	10/10/2017	468	< 0.0030	1.91	4.33	3.48	1.95	4.60	0.105	0.521	< 0.020	0.292	< 0.000050	0.000059	0.604	0.626	0.213	0.0054	0.283	168	2.84	2.7	0.20	2.77	6.61	11.4		1050	< 0.50	7.41	10.63
CM_6PitDW	10/17/2017																														
CM_6PitDW	10/24/2017	467	< 0.0030	8.39	5.91	2.39	0.93	10.7	0.0582	2.01	0.027	6.21	< 0.000050	0.00028	0.481	0.587	< 0.25	0.548	4.29	610	2.21	4.5	< 0.10	8.96	89.4	150		1350	< 0.50	55.1	6.78
CM_6PitDW	10/31/2017																														
CM_6PITDW	11/7/2017																														
CM_6PitDW	11/14/2017																														
CM_6PitDW	11/21/2017																														
CM_6PITDW	12/6/2017																														
CM_6PitDW	12/12/2017	604	0.0038	0.0491	5.02	4.90	3.34	3.30	0.0417	0.0498	0.023	0.032	< 0.000050	< 0.000050	0.227	0.218	< 0.25	0.510	0.565	111	0.59	7.5	< 0.10	< 0.10	61.1	62.4		1930	0.59	0.69	8.94
CM_6PitDW	12/19/2017	604	0.0031	0.0380	4.67	4.90	3.32	3.35	0.0495	0.0522	0.027	0.026	< 0.000050	< 0.000050	0.241	0.248	< 0.25	0.365	0.409	111	0.56	8.9	< 0.10	0.13	42.3	48.8		1690	0.86	1.08	
CM_6PitDW	12/27/2017																														
CM_6PitDW2	11/28/2017	285	< 0.0030	7.43	2.51	1.85	1.36	15.1	0.0392	1.82	< 0.020	1.92	< 0.000050	0.000311	0.350	0.376	< 0.25	0.458	2.30	234	0.77	2.6	< 0.10	12.3	77.1	106		1460	0.67	51.2	8.37
CM_6PitDW2	12/12/2017	436	< 0.0030	1.44	1.57	1.47	0.29	0.70	0.0675	0.193	< 0.020	0.117	< 0.000050	< 0.000050	0.614	0.572	< 0.25	0.181	0.237	193	0.92	< 2.5	< 0.10	0.29	36.1	37.4		1410	1.88	6.94	9.74
CM_6PitDW2	12/19/2017	331	< 0.0030	0.0738	1.69	1.81	0.28	0.37	0.0552	0.0673	0.021	0.020	< 0.000050	< 0.000050	0.256	0.263	< 0.050	0.0580	0.0723	163	1.92	0.71	< 0.10	0.11	7.39	8.54		1210	7.35	11.2	
CM_6PitDW2	12/27/2017																														

	CHEMICAL_NAME	FLUORIDE	Hardness, Total or Dissolved CaCO3	INSTANTANEOUS FLOW	IRON	IRON	LEAD	LEAD	LITHIUM	LITHIUM	MAGNESIUM	MANGANESE	MANGANESE	MERCURY	MERCURY	MOLYBDENUM	MOLYBDENUM	NICKEL	NICKEL	NITRATE NITROGEN (NO3), AS N	NITRITE NITROGEN (NO2), AS N	NITROGEN, AMMONIA (AS N)	ORTHO-PHOSPHATE	pH, Field	pH, LAB	PHOSPHORUS
	FRACTION	D	N	N	D	T	D	T	D	T	T	D	T	D	T	D	T	D	T	N	N	N	N	N	N	N
	REPORT_RESULT_UNIT	mg/l	mg/l	m3/s	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ph units	ph units	mg/l
SYS_LOC_CODE	SAMPLE_DATE	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
CM_34PIPEDIS	2/21/2017																							7.4		
CM_34PIPEDIS	3/1/2017																							7.31		
CM_34PIPEDIS	3/7/2017	0.25	1300		0.017	0.052	< 0.050	< 0.050	0.111	0.113	122	0.506	0.587			0.0110	0.0115	348	403	12.9	0.118	2.00		7.65	7.39	
CM_34PIPEDIS	4/5/2017	0.22	1270		< 0.010	0.023	< 0.050	< 0.050	0.122	0.108	102	0.497	0.511	< 0.0050	< 0.0050	0.0114	0.0106	347	353	12.3	0.135	2.12	< 0.0010	7.67	7.96	0.0024
CM_34PIPEDIS	5/2/2017	0.26	1240		< 0.010	0.062	< 0.050	0.084	0.113	0.124	120	0.529	0.599	< 0.0050	< 0.0050	0.00984	0.0115	365	407	11.0	0.0966	2.01	< 0.0010	7.78	7.66	< 0.0040
CM_34PIPEDIS	6/6/2017	0.31	1070		< 0.010	0.034	< 0.050	< 0.050	0.0888	0.0924	105	0.510	0.554	< 0.0050	< 0.0050	0.0123	0.0130	380	421	10.7	0.120	1.79	< 0.0010	7.42	7.92	0.0163
CM_34PIPEDIS	7/5/2017	0.31	933		< 0.010	0.036	< 0.050	< 0.050	0.101	0.0955	76.2	0.467	0.452	< 0.0050	< 0.0050	0.0113	0.0115	378	353	9.44	0.172	1.57	< 0.0010	7.41	7.90	< 0.0020
CM_34PIPEDIS	8/1/2017	0.40	945		< 0.010	0.115	< 0.050	< 0.050	0.101	0.0953	80.4	0.403	0.425	< 0.0050	< 0.0050	0.0117	0.0117	351	361	9.11	0.132	1.55	< 0.0010	7.63	7.78	0.0076
CM_34PIPEDIS	9/12/2017			0																						
CM_34PIPEDIS	9/27/2017	0.32	1060		< 0.010	0.021	< 0.050	< 0.050	0.112	0.114	96.3	0.128	0.463	< 0.0050	< 0.00050	0.0123	0.0135	335	385	13.2	0.144	1.62	< 0.0010	7.46	8.01	< 0.0020
CM_34PIPEDIS	10/4/2017			0																						
CM_34PIPEDIS	10/5/2017	0.22	1060		< 0.010	0.021	< 0.050	< 0.050	0.109	0.110	91.1	0.410	0.404	< 0.0050	< 0.00050	0.0128	0.0132	374	373	13.7	0.140	1.59	< 0.0010	7.77	7.72	< 0.0020
CM_34PIPEDIS	10/6/2017	0.20	1080		< 0.010	0.017	< 0.050	< 0.050	0.107	0.112	92.0	0.429	0.444	< 0.0050	< 0.00050	0.0127	0.0132	404	408	12.5	0.123	1.65	< 0.0010	7.9	7.74	< 0.0020
CM_34PIPEDIS	10/10/2017			0																						
CM_34PIPEDIS	10/11/2017	0.304	1030		< 0.010	0.013	< 0.050	< 0.050	0.104	0.113	93.6	0.379	0.409	< 0.0050	< 0.0050	0.0124	0.0132	350	361	12.0	0.139	0.0276	< 0.0010	7.92	8.01	< 0.0020
CM_34PIPEDIS	10/12/2017	0.311	1010		< 0.010	0.017	< 0.050	< 0.050	0.0992	0.110	87.1	0.414	0.416	< 0.0050	< 0.0050	0.0129	0.0135	371	376	12.4	0.120	1.60	< 0.0010	7.81	7.92	< 0.0020
CM_34PIPEDIS	10/16/2017	0.391	1040		< 0.010		< 0.050	< 0.050	0.111	0.116	89.6	0.341	0.370	< 0.0050	< 0.0050	0.0127	0.0133	353	364	11.5	0.124	1.44	< 0.0010	7.93	7.66	< 0.0020
CM_34PIPEDIS	10/17/2017			0																						
CM_34PIPEDIS	10/19/2017	0.16	1140		< 0.010	0.055	< 0.050	0.101	0.0987	0.101	105	0.457	0.498	< 0.0050	0.0060	0.0120	0.0125	378	404	12.5	0.145	1.70	< 0.0010	7.7	8.08	< 0.0020
CM_34PIPEDIS	10/20/2017	0.27	1110		< 0.010	0.052	< 0.050	0.063	0.108	0.113	105	0.429	0.462	< 0.0050	0.0055	0.0118	0.0123	347	369	12.4	0.177	1.67	< 0.0010	7.43	7.58	< 0.0020
CM_34PIPEDIS	10/23/2017	0.25	1110		< 0.010	0.028	< 0.050	< 0.050	0.104	0.105	97.2	0.445	0.463	< 0.0050	< 0.0050	0.0126	0.0125	371	385	14.0	0.219	1.67	< 0.0010	7.68	7.78	< 0.0020
CM_34PIPEDIS	10/24/2017			0																						
CM_34PIPEDIS	10/26/2017	0.25	1110		< 0.010	0.033	< 0.050	< 0.050	0.0973	0.0892	94.3	0.426	0.447	< 0.0050	< 0.0050	0.0111	0.0116	365	379	12.1	0.170	1.65	< 0.0010	7.61	7.73	< 0.0020
CM_34PIPEDIS	10/30/2017	0.28	1080		< 0.010	0.030	< 0.050	< 0.050	0.103	0.0989	102	0.424	0.443	< 0.0050	< 0.0050	0.0119	0.0120	353	373	11.8	0.140	1.92	< 0.0010	7.61	8.11	0.0025
CM_34PIPEDIS	10/31/2017			0																						
CM_34PIPEDIS	11/7/2017			0																						
CM_34PIPEDIS	11/14/2017			0																						
CM_34PIPEDIS	11/21/2017			0																						
CM_34PIPEDIS	11/28/2017			0																						
CM_34PIPEDIS	12/6/2017			0																						
CM_34PIPEDIS	12/12/2017			0																						
CM_34PIPEDIS	12/19/2017			0																						
CM_34PIPEDIS	12/27/2017			0																						
CM_6PIT_WELL	7/12/2017																							8.15		
CM_6PIT_WELL	7/19/2017																							8.34		
CM_6PIT_WELL	7/25/2017	0.42	323		< 0.010	0.306	< 0.050	0.395	0.137	0.138	24.1	0.0695	0.0719	< 0.0050	< 0.0050	0.00762	0.00800	17.7	18.8	0.111	0.0074	1.28	< 0.0010		8.17	0.0122
CM_6PIT_WELL	7/25/2017																							8		
CM_6PIT_WELL	8/2/2017	0.50	335		0.024	0.091	< 0.050	0.070	0.148	0.150	27.7	0.0267	0.0743	< 0.0050	< 0.0050	0.00710	0.00720	33.7	39.6	0.060	0.0069	1.27	< 0.0010		7.96	0.0078
CM_6PIT_WELL	8/2/2017																							7.56		
CM_6PIT_WELL	8/8/2017	0.60	353		0.011	0.094	< 0.050	0.098	0.169	0.152	24.8	0.0678	0.0615	< 0.0050	< 0.0050	0.00622	0.00687	15.6	14.6	0.047	< 0.0050	1.15	< 0.0010		7.93	0.0070
CM_6PIT_WELL	8/8/2017																							7.82		
CM_6PIT_WELL	8/15/2017																							7.77		
CM_6PIT_WELL	8/15/2017	0.58	325		< 0.010	0.108	< 0.050	< 0.050	0.158	0.164	23.0	0.0599	0.0597	< 0.0050	0.0061	0.00530	0.00556	10.7	11.2	0.051	0.0074	0.984	< 0.0010		8.29	0.0059
CM_6PIT_WELL	8/22/2017	0.57	347		< 0.010	0.079	< 0.050	< 0.050	0.182	0.152	22.9	0.0575	0.0583	< 0.0050	< 0.0050	0.00804	0.00843	15.5	15.2	0.059	0.0109	1.17	< 0.0010		8.14	0.0033
CM_6PIT_WELL	8/22/2017																							7.91		
CM_6PIT_WELL	8/29/2017	0.49	308		0.051	0.113	< 0.050	< 0.050	0.196	0.167	19.4	0.0562	0.0528	< 0.0050	0.0063	0.00267	0.00275	4.47	4.96	< 0.025	< 0.0050	0.903	< 0.0010		8.09	0.0038
CM_6PIT_WELL	8/29/2017																							7.86		
CM_6PIT_WELL	9/5/2017	0.56	278		0.061	0.139	< 0.050	< 0.050	0.166	0.164	21.1	0.0423	0.0560	< 0.0050	0.0066	0.00240	0.00242	3.39	4.47	0.039	< 0.0050	0.824	< 0.0010		7.99	0.0058
CM_6PIT_WELL	9/5/2017																							7.83		
CM_6PIT_WELL	9/12/2017	0.63	297		< 0.010	0.103	< 0.050	0.068	0.238	0.237	15.2	0.0379	0.0387	< 0.0050	< 0.00050	0.00452	0.00469	7.67	8.18	6.53	0.128	1.32	< 0.0010		8.20	0.0052
CM_6PIT_WELL	9/12/2017																							7.60		
CM_6PIT_WELL	9/19/2017			0																						
CM_6PIT_WELL	9/26/2017			0																						
CM_6PIT_WELL	10/4/2017	0.16	284		0.019	0.064	< 0.050	0.050	0.174	0.179	21.4	0.0583	0.0558	< 0.0050	< 0.00050	0.00373	0.00383	10.3	10.3	5.40	0.161	1.01	< 0.0010	8.05	8.06	0.0033
CM_6PIT_WELL	10/10/2017	0.613	282		0.018	0.038	< 0.050	0.054	0.156	0.158	20.7	0.0538	0.0579	< 0.0050	< 0.00050	0.00869	0.00911	11.7	12.0	4.63	0.102	0.989	< 0.0010	7.92	8.09	< 0.0020
CM_6PIT_WELL	10/17/2017	0.473	257		0.038	0.191	< 0.050	< 0.050	0.115	0.112	22.3	0.0617	0.0629	< 0.0050	0.00052	0.00175	0.00188	9.66	10.2	0.0135	0.0106	0.758	< 0.0010	7.94	8.24	0.0028
CM_6PIT_WELL	10/24/2017			0																						
CM_6PIT_WELL	10/31/2017			0																				7.85		
CM_6PIT_WELL	11/7/2017			0																						
CM_6PIT_WELL	11/9/2017	0.60	320		0.044	0.090	< 0.050	< 0.050	0.199	0.185	24.9	0.0712	0.0738	< 0.0050	< 0.00050	0.00546	0.00510	16.9	17.4	0.570	0.132	1.16	< 0.0010		8.22	0.0020
CM_6PIT_WELL	11/14/2017	0.659	309		< 0.050	0.073	< 0.25	< 0.25	0.199	0.177	25.6	0.0603	0.0682	< 0.0050	< 0.0050	0.00777	0.00785	19.0	20.1	0.234	0.0394	1.25	< 0.0010	7.95	7.82	0.0016
CM_6PIT_WELL	11/21/2017	0.610	287		0.035	0.118	< 0.050	0.053	0.192	0.178	22.9	0.0591	0.0579	< 0.0050	< 0.00050	0.00153	0.00159	6.31	6.18	0.0073	0.0046	0.772	0.0010	8.04	8.15	0.0020
CM_6PIT_WELL	11/29/2017	0.41	423		< 0.010	0.890	< 0.050	0.050	0.127	0.125	37.4	0.143	0.154	< 0.0050	< 0.00050	0.00165	0.00181	43.4	48.2	0.506	0.0231	0.827	< 0.0010	8	7.77	< 0.0010
CM_6PIT_WELL	12/6/2017	0.458	433		< 0.010	0.264	< 0.050	< 0.050	0.155	0.157	34.5	0.110	0.113	< 0.0050	< 0.00050	0.00193	0.00192	26.9	28.5	0.261	0.0299	0.89	< 0.0010	7.97	8.09	0.0012
CM_6PIT_WELL	12/6/2017		437																							
CM_6PIT_WELL	12/12/2017	0.52	404		< 0.010	0.322	< 0.050	0.057	0.160	0.172	30.9	0.0953	0.100	< 0.0050	< 0.00050	0.00201	0.00194	22.8	23.7	0.073	0.0172	0.89	< 0.0010	7.92	7.95	0.0025
CM_6PIT_WELL	12/19/2017	0.573	396		< 0.010	0.234	< 0.050	< 0.050	0.170	0.183	31.1	0.0951	0.0988	< 0.0050	< 0.00050	0.00174	0.00188	19.1	20.3	0.0228	0.0094	0.89	< 0.0010	7.94	7.93	< 0.0010
CM_6PIT_WELL	12/27/2017	0.558	336		0.058	0.236	< 0.050	< 0.050	0.187	0.230	27.2	0.0797	0.0818	< 0.0050	< 0.00050	0.00163	0.00176	14.7	15.2	0.0073	0.0056	0.87	< 0.0010	7.72	8.09	0.0015
CM_6PITDW	5/23/2017	0.35	418		< 0.010	0.255	< 0.050	0.69	0.149	0.183	40.9	0.115	0.120	< 0.0050	0.0111	0.00502	0.00633	59.7	66.3	0.444	0.0620	1.24	< 0.0010		7.96	0.0127
CM_6PitDW	5/23/2017																							8.08		
CM_6PitDW	5/30/2017	0.33	472		< 0.010	112	< 0.050	90.4	0.141	0.166	107	0.0649	2.10	< 0.0050	0.60	0.00916	0.00881	6.23	292	1.03	0.100	2.17	0.0023	7.48	7.95	7.91
CM_6PITDW	6/6/2017	0.35	439		0.034	5.55	< 0.050	6.97	0.139	0.140	33.3	0.0590	0.180	< 0.0050	< 0.50	0.00615	0.00753	62.9	64.5	13.0	0.522	7.82	< 0.0010	8.18	7.76	0.0718
CM_6PITDW	6/14/2017	0.43	404		< 0.010	60.0	< 0.050	64.8	0.128	0.154	61.6	0.0936	0.840	< 0.0050	< 5.0	0.0128	0.0153	20.6	146	2.07	0.115	4.00	< 0.0010		7.84	5.80
CM_6PitDW	6/14/2017																							7.97		
CM_6PitDW	6/21/2017																							7.85		
CM_6PITDW	6/21/2017	0.41	453		0.026	1.43	< 0.050	2.26	0.131	0.133	34.7	0.0503	0.136	< 0.0050	< 0.0050	0.00649	0.00719	36.5	41.7	11.7	0.312	9.0	< 0.0010		7.73	0.0872
CM_6PitDW	6/28/2017																							8.14		
CM_6PITDW	6/28/2017	0.29	380		< 0.010	4.39	< 0.050	7.77	0.182	0.188	29.2	0.0432	0.156	< 0.0050	< 0.10	0.00644	0.00749	31.5	44.2	4.40	0.143	4.71	< 0.0010		7.77	0.216
CM_6PitDW	7/5/2017			0																						
CM_6PitDW	7/12/2017	0.76	233		< 0.010	0.206	< 0.050	0.228	0.176	0.173	17.6	0.0476	0.0504	< 0.0050	< 0.0050	0.00128	0.00135	5.13	5.37	0.038	< 0.0050	0.70	< 0.0010	8.15	8.14	0.0069
CM_6PitDW	7/19/2017	0.50	292		< 0.010	0.083	< 0.050	0.092	0.174	0.168	21.3	0.0398	0.0391	< 0.0050	< 0.0050	0.00496	0.00498	13.5	13.3	0.063	0.0079	1.11	0.0018	8.34	8.26	0.0165
CM_6PitDW	7/25/2017			0																						
CM_6PitDW	8/1/2017			0																						
CM_6PitDW	8/8/2017			0																						
CM_6PitDW	8/15/2017			0																						
CM_6PitDW	8/22/2017			0																						
CM_6PitDW	8/29/2017			0																						
CM_6PitDW	9/5/2017			0																						
CM_6PITDW	9/12/2017	0.21	491		0.012	2.44	< 0.050	1.78	0.151	0.143	16.5	0.0565	0.0744	< 0.0050	0.00090	0.00669	0.00679	17.8	20.7	15.0	0.487	7.08	< 0.0010		7.67	0.132
CM_6PITDW	9/12/2017			0																				6.91		
CM_6PITDW	9/19/2017			0																						
CM_6PitDW	9/26/2017			0																						
CM_6PITDW	10/4/2017			0																						
CM_6PITDW	10/10/2017	0.24	469		< 0.010	4.20	< 0.050	4.54	0.134	0.136	26.1	0.0399	0.117	< 0.0050	< 0.025	0.00970	0.0101	37.2	48.8	3.75	0.117	5.20	< 0.0010	7.62	7.57	0.0256
CM_6PitDW	10/17/2017			0																						
CM_6PitDW	10/24/2017	0.30	739		< 0.010	31.9	< 0.050	20.0	0.134	0.158	76.2	0.384	0.991	< 0.0050	0.79	0.0157	0.00682	247	405	9.49	0.167	6.90	< 0.0010	7.3	7.57	6.04
CM_6PitDW	10/31/2017			0																						
CM_6PITDW	11/7/2017			0																						
CM_6PitDW	11/14/2017			0																						
CM_6PitDW	11/21/2017			0																						
CM_6PITDW	12/6/2017			0																						
CM_6PitDW	12/12/2017	0.62	400		< 0.010	0.024	< 0.050	0.104	0.326	0.341	25.1	0.103	0.107	< 0.0050	0.00114	0.0104	0.0101	168	168	0.402	0.0512	2.56	< 0.0010	7.95	6.16	0.0023
CM_6PitDW	12/19/2017	0.60	355		< 0.010	0.042	< 0.050	0.093	0.291	0.314	21.8	0.0751	0.0829	< 0.0050	0.00123	0.00967	0.00999	123	139	0.524	0.111	2.82	< 0.0010		8.03	0.0018
CM_6PitDW	12/27/2017			0																						
CM_6PitDW2	11/28/2017	0.35	702		< 0.010	23.1	< 0.050	24.1	0.122	0.118	58.2	0.320	0.633	< 0.0050	0.116	0.0104	0.0126	207	294	7.34	0.249	3.69	< 0.0010	8.14	7.98	0.57
CM_6PitDW2	12/12/2017	0.27	695		< 0.010	1.32	< 0.050	1.10	0.104	0.102	40.5	0.190	0.204	< 0.0050	< 0.0050	0.00327	0.00313	122	126	0.649	0.0311	4.22	< 0.0010	7.72	7.86	0.0141
CM_6PitDW2	12/19/2017	0.314	621		0.012	0.114	0.124	0.835	0.0838	0.0870	63.1	0.0786	0.0849	< 0.0050	0.00114	0.00411	0.00427	47.1	53.3	0.122	0.0335	2.85	< 0.0010		7.72	0.0036
CM_6PitDW2	12/27/2017			0																						

CHEMICAL_NAME		POTASSIUM	SELENIUM	SELENIUM	SILVER	SILVER	SODIUM	Specific conductivity, temperature corrected value (25 C)	STRONTIUM	STRONTIUM	SULFATE (AS SO4)	TEMPERATURE, FIELD	THALLIUM	THALLIUM	TIN	TIN	TITANIUM	TITANIUM	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	TOTAL KJELDAHL NITROGEN	TOTAL ORGANIC CARBON	TOTAL SUSPENDED SOLIDS, LAB	TURBIDITY, LAB	URANIUM	URANIUM	VANADIUM	VANADIUM	ZINC	ZINC
FRACTION		T	D	T	D	T	T	N	D	T	D	N	D	T	D	T	D	T	N	N	T	N	N	D	T	D	T	D	T
REPORT_RESULT_UNIT		mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	uS/cm at 25 C	mg/l	mg/l	mg/l	deg c	ug/l	ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ntu	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
SYS_LOC_CODE	SAMPLE_DATE	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
OM_34PIPEDIS	2/21/2017							2209				5.22																	
OM_34PIPEDIS	3/1/2017											5.0																	
OM_34PIPEDIS	3/7/2017	7.71	0.848	0.879	< 0.010	< 0.010	65.9	2202	2.48	2.45	1070	5.22	0.102	0.104	< 0.00010	< 0.00010	< 10	< 10											
OM_34PIPEDIS	4/5/2017	6.63	1.01	0.912	< 0.010	< 0.010	61.6	2205	2.37	2.16	1060	5.04	0.091	0.088	< 0.00010	< 0.00010	< 10	< 10	1920	2.27	< 0.50	< 1.0	1.32	11.9	13.3	< 0.50	< 0.50	65.3	64.1
OM_34PIPEDIS	5/2/2017	7.86	1.31	1.35	< 0.010	< 0.010	67.0	2099	2.17	2.47	1060	4.98	0.099	0.126	< 0.00010	< 0.00010	< 10	< 10	1850	2.29	1.06	1.8	1.38	13.4	15.7	< 0.50	< 0.50	70.4	77.6
OM_34PIPEDIS	6/6/2017	7.03	4.51	3.71	< 0.010	< 0.010	63.1	2063	2.13	2.22	975	5.56	0.115	0.115	< 0.00010	< 0.00010	< 10	< 10	1760	2.16	< 0.50	1.2	1.52	13.9	13.8	< 0.50	< 0.50	106	116
OM_34PIPEDIS	7/5/2017	5.76	5.3	5.27	< 0.010	< 0.010	54.5	1583	2.04	2.05	903	6.94	0.104	0.101	< 0.00010	< 0.00010	< 10	< 10	1460	0.468	0.56	< 1.0	0.84	8.84	8.69	< 0.50	< 0.50	119	113
OM_34PIPEDIS	8/1/2017	6.27	4.79	4.64	< 0.010	< 0.010	63.3	1746	2.01	2.02	854	9.23	0.129	0.131	< 0.00010	< 0.00010	< 10	< 10	1350	1.46	< 0.50	1.0	1.08	8.12	8.34	< 0.50	< 0.50	106	111
OM_34PIPEDIS	9/12/2017																												
OM_34PIPEDIS	9/27/2017	7.06	4.47	4.51	< 0.010	< 0.010	62.9	1929	2.01	2.08	911	8.48	0.133	0.131	< 0.00010	< 0.00010	< 10	< 10	1630	1.97	1.02	1.8	1.93	6.59	11.5	< 0.50	< 0.50	< 3.0	100
OM_34PIPEDIS	10/4/2017																												
OM_34PIPEDIS	10/5/2017	6.59	5.75	5.17	< 0.010	< 0.010	61.3	1895	1.99	1.96	946	8.36	0.135	0.121	< 0.00010	< 0.00010	< 10	< 10	1450	1.66	0.63	5.5	1.86	10.7	10.5	< 0.50	< 0.50	97.6	101
OM_34PIPEDIS	10/6/2017	6.90	5.61	5.07	< 0.010	< 0.010	62.7	1844	1.97	1.94	879	8.26	0.127	0.127	< 0.00010	< 0.00010	< 10	< 10	1540	1.79	< 0.50	1.1	1.20	10.4	10.6	< 0.50	< 0.50	101	100
OM_34PIPEDIS	10/10/2017																												
OM_34PIPEDIS	10/11/2017	6.83	5.98	5	< 0.010	< 0.010	63.2	1889	1.89	1.96	825	6.9	0.117	0.125	< 0.00010	< 0.00010	< 10	< 10	1530	0.431	1.07	1.6	0.92	10.3	10.7	< 0.50	< 0.50	81.3	87.9
OM_34PIPEDIS	10/12/2017	6.72	6.42	5.73	< 0.010	< 0.010	62.3	1866	1.90	1.97	830	7.06	0.116	0.125	< 0.00010	< 0.00010	< 10	< 10	1760	2.03	0.66	< 1.0	1.02	9.82	10.2	< 0.50	< 0.50	97.1	99.0
OM_34PIPEDIS	10/16/2017	6.70	5.9	5.46	< 0.010	< 0.010	63.0	1815	1.96	2.06	848	6.39	0.118	0.126	< 0.00010	< 0.00010	< 10	< 10	1580	1.76	0.54	2.1	0.91	10.2	10.7	< 0.50	< 0.50	80.6	88.5
OM_34PIPEDIS	10/17/2017																												
OM_34PIPEDIS	10/19/2017	6.96	2.71	2.72	< 0.010	< 0.010	60.0	2049	2.09	2.14	1000	6.52	0.130	0.133	< 0.00010	< 0.00010	< 10	< 10	1680	2.13	1.03	4.4	3.58	14.5	15.1	< 0.50	< 0.50	83.8	91.6
OM_34PIPEDIS	10/20/2017	7.11	3.25	3.08	< 0.010	< 0.010	61.7	1974	2.00	2.02	1020	6.34	0.124	0.134	< 0.00010	< 0.00010	< 10	< 10	1690	1.97	1.22	5.2	5.55	13.2	13.6	< 0.50	< 0.50	77.9	82.2
OM_34PIPEDIS	10/23/2017	6.77	3.83	3.29	< 0.010	< 0.010	59.7	1977	2.04	2.05	1000	6.42	0.123	0.123	< 0.00010	< 0.00010	< 10	< 10	1570	2.13	< 0.50	2.5	3.34	12.2	12.3	< 0.50	< 0.50	83.7	86.5
OM_34PIPEDIS	10/24/2017																												
OM_34PIPEDIS	10/26/2017	6.28	2.79	2.66	< 0.010	< 0.010	58.9	2011	1.93	2.02	985	6.38	0.116	0.120	< 0.00010	< 0.00010	< 10	< 10	3480	1.93	0.74	2.4	2.66	13.2	13.2	< 0.50	< 0.50	81.8	85.0
OM_34PIPEDIS	10/30/2017	6.53	3.34	3.13	< 0.010	< 0.010	59.3	1984	2.06	2.03	959	6.23	0.121	0.130	< 0.00010	< 0.00010	< 10	< 10	1700	1.67	0.62	1.5	1.84	13.2	13.0	< 0.50	< 0.50	86.4	87.3
OM_34PIPEDIS	10/31/2017																												
OM_34PIPEDIS	11/7/2017																												
OM_34PIPEDIS	11/14/2017																												
OM_34PIPEDIS	11/21/2017																												
OM_34PIPEDIS	11/28/2017																												
OM_34PIPEDIS	12/6/2017																												
OM_34PIPEDIS	12/12/2017																												
OM_34PIPEDIS	12/19/2017																												
OM_34PIPEDIS	12/27/2017																												
OM_6PIT_WELL	7/12/2017							781				11.9																	
OM_6PIT_WELL	7/19/2017							1024				15.26																	
OM_6PIT_WELL	7/25/2017	2.35	0.179	0.139	< 0.010	< 0.010	117		1.74	1.76	181		0.010	0.012	< 0.00010	< 0.00010	< 10	< 10	619	1.25	0.67	31.0	3.94	2.95	3.33	< 0.50	0.99	2.3	4.0
OM_6PIT_WELL	7/25/2017							1102				8.44																	
OM_6PIT_WELL	8/2/2017	2.79	0.48	0.372	< 0.010	< 0.010	133		1.51	1.59	215		0.030	0.033	< 0.00010	< 0.00010	< 10	< 10	689	1.21	0.75	1.2	1.02	3.27	3.39	0.53	0.67	< 3.0	5.5
OM_6PIT_WELL	8/2/2017							1130				10.54																	
OM_6PIT_WELL	8/8/2017	2.48	0.138	0.159	< 0.010	< 0.010	130		1.97	1.86	160		< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	635	1.15	1.50	< 1.0	0.71	2.69	2.74	< 0.50	0.53	< 3.0	< 3.0
OM_6PIT_WELL	8/8/2017							1094				12.71																	
OM_6PIT_WELL	8/15/2017							1070				9.82																	
OM_6PIT_WELL	8/15/2017	2.34	0.208	0.235	< 0.010	< 0.010	124		1.88	1.93	147		< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	648	0.964	< 0.50	1.0	0.74	2.25	2.26	< 0.50	< 0.50	< 3.0	< 3.0
OM_6PIT_WELL	8/22/2017	2.39	0.296	0.238	< 0.010	< 0.010	119		2.17	2.16	171		< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	663	0.968	0.51	< 1.0	0.52	3.26	3.32	< 0.50	< 0.50	< 3.0	< 3.0
OM_6PIT_WELL	8/22/2017							1066				10.86																	
OM_6PIT_WELL	8/29/2017	2.16	< 0.050	< 0.050	< 0.010	< 0.010	119		2.04	2.01	126		< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	649	0.932	< 0.50	< 1.0	0.77	1.29	1.36	< 0.50	< 0.50	< 3.0	< 3.0
OM_6PIT_WELL	8/29/2017							1043				7																	
OM_6PIT_WELL	9/5/2017	2.27	< 0.050	< 0.050	< 0.010	< 0.010	126		1.93	2.07	116		< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	624	0.904	< 0.50	1.2	0.80	1.17	1.23	< 0.50	< 0.50	< 3.0	4.9
OM_6PIT_WELL	9/5/2017							1020				6.78																	
OM_6PIT_WELL	9/12/2017	2.72	0.325	0.258	< 0.010	< 0.010	161		2.58	2.64	93.2		< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	711	1.73	0.80	2.2	1.62	2.06	2.06	< 0.50	< 0.50	< 3.0	3.3
OM_6PIT_WELL	9/12/2017											10.38																	
OM_6PIT_WELL	9/19/2017																												
OM_6PIT_WELL	9/26/2017																												
OM_6PIT_WELL	10/4/2017	2.33	0.415	0.339	< 0.010	< 0.010	133		1.87	1.85	78.3	8.19	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	602	1.34	0.60	< 1.0	0.42	2.49	2.43	< 0.50	< 0.50	< 3.0	< 3.0
OM_6PIT_WELL	10/10/2017	2.16	0.438	0.341	< 0.010	< 0.010	115	968	1.72	1.79	99.7	8.09	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	604	1.76	0.58	1.0	0.24	2.19	2.19	< 0.50	< 0.50	< 3.0	< 3.0
OM_6PIT_WELL	10/17/2017	1.80	0.17	0.212	< 0.010	< 0.010	86.6	873	1.43	1.52	131	8.49	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	543	0.810	0.74	6.4	1.25	1.26	1.29	< 0.50	< 0.50	< 3.0	4.1
OM_6PIT_WELL	10/24/2017																												
OM_6PIT_WELL	10/31/2017							1103				5.57																	
OM_6PIT_WELL	11/7/2017																												
OM_6PIT_WELL	11/9/2017	2.35	0.25	0.224	< 0.010	< 0.010	138		2.28	2.29	193		< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	663	1.08	0.69	< 1.0	0.90	1.78	2.07	< 0.50	< 0.50	7.6	10.2
OM_6PIT_WELL	11/14/2017	2.43	0.26	0.29	< 0.050	< 0.050	143	1118	2.42	2.36	160	4.61	< 0.050	< 0.050	< 0.00050	< 0.00050	< 10	< 10	748	1.23	0.58	< 1.0	0.63	2.36	2.30	< 2.5	< 2.5	< 5.0	< 15
OM_6PIT_WELL	11/21/2017	1.83	0.051	0.082	< 0.010	< 0.010	128	1003	1.77	1.75	145	3.98	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	671	0.719	0.52	< 1.0	0.65	0.857	0.849	< 0.50	< 0.50	< 3.0	< 3.0
OM_6PIT_WELL	11/29/2017	2.26	0.07	0.093	< 0.010	< 0.010	99.8	1222	2.15	2.31	380	4.51	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	887	0.84	< 0.50	1.9	8.19	1.07	1.21	< 0.50	< 0.50	43.4	53.5
OM_6PIT_WELL	12/6/2017	2.07	0.222	0.21	< 0.010	< 0.010	115		2.36	2.29	334	4.33	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	802	0.96	< 0.50	< 1.0	2.07	1.10	1.16	< 0.50	< 0.50	14.6	17.7
OM_6PIT_WELL	12/6/2017		0.304	0.181																									
OM_6PIT_WELL	12/12/2017	2.15	0.226	0.161	< 0.010	< 0.010	125	1218	2.22	2.10	312	3.71	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	807	0.941	< 0.50	1.1	2.07	1.16	1.16	< 0.50	< 0.50	9.5	10.8
OM_6PIT_WELL	12/19/2017	2.41	0.154	0.182	< 0.010	< 0.010	136	1190	2.14	2.21	270	3.59	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	753	0.875	0.67	< 1.0	1.59	1.03	1.07	< 0.50	< 0.50	6.9	< 9.0
OM_6PIT_WELL	12/27/2017	2.24	0.139	0.11	< 0.010	< 0.010	147	1174	2.09	2.05	227	3.6	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	770	0.83	0.51	< 1.0	1.02	0.959	1.02	< 0.50	< 0.50	5.8	6.9
OM_6PITDW	5/23/2017	3.22	1.03	0.84	< 0.010	< 0.050	163		1.16	1.51	445		0.025	< 0.050	< 0.00010	< 0.00050	< 10	< 10	979	1.53	2.04	52.0	10.7	1.93	2.63	< 0.50	2.6	27.4	34
OM_6PRDW	5/23/2017							1420				5.87																	
OM_6RIDW	5/30/2017	11.6	0.951	5.67	< 0.010	1.96	122	1295	1.29	2.29	418	12.7	0.061	1.45	< 0.00010	< 0.00050	< 10	46	915	18.0	450	10800		1.80	10.1	< 0.50	163	1.2	820
OM_6PITDW	6/6/2017	4.51	2.22	2.49	0.044	0.120	125	1491	1.89	2.09	363	15.13	0.051	0.113	< 0.00010	< 0.00010	< 10	< 10	994	10.8	2.13	1210	289	3.34	3.96	< 0.50	6.44	< 1.0	45.8
OM_6PITDW	6/14/2017	5.79	1.25	5.73	< 0.010	0.918	123		1.82	2.96	302		0.045	0.495	< 0.00010	< 0.00050	< 10	28	762	1.29	2.70	20700		5.50	10.5	0.66	99.5	< 1.0	318
OM_6RIDW	6/14/2017							1252				7.51																	
OM_6RIDW	6/21/2017							1171				14.3																	
OM_6PITDW	6/21/2017	5.47	0.953	1.05	0.028	0.058	106		2.02	2.08	300		0.053	0.096	< 0.00010	< 0.00010	< 10	< 10	792	10.5	30	254	185	4.23	4.57	0.60	3.52	< 1.0	19.1
OM_6RIDW	6/28/2017							1396				15.34																	
OM_6PITDW	6/28/2017	5.17	1.16	1.63	< 0.010	0.103	145		1.55	1.71	289		0.044	0.125	< 0.00010	< 0.00050	< 10	< 10	855	11.7	227	917	927	4.64	5.92	< 0.50	9.9	< 1.0	42
OM_6PRDW	7/5/2017																												
OM_6RIDW	7/12/2017	1.86	< 0.050	0.057	< 0.010	< 0.010	117	781	1.47	1.47	118	11.9	< 0.010	< 0.010	< 0.00010	< 0.00010	< 10	< 10	570	0.695	0.89	2.8	5.29	0.692	0.787	< 0.50	0.56	1.7	3.3
OM_6RIDW	7/19/2017	2.37	0.163	0.153	< 0.010	< 0.010	118	1024	1.79	1.75	176	15.26	0.014	0.011	< 0.00010	< 0.00010	< 10	< 10	664	1.25	0.83	< 1.0	0.63	2.64	2.71	< 0.50	< 0.50	< 1.0	< 3.0
OM_6RIDW	7/25/2017																												
OM_6PIDW	8/1/2017																												
OM_6PIDW	8/8/2017																												
OM_6RIDW	8/15/2017																												
OM_6PIDW	8/22/2017																												
OM_6PIDW	8/29/2017																												
OM_6RIDW	9/5/2017																												
OM_6PITDW	9/12/2017	7.94	0.628	0.579	< 0.010	0.026	96.2		3.83	3.72	63.3		0.026	0.058	< 0.00010	< 0.00010	< 10	23	727	7.4	5.8	159	132	7.00	6.84	< 0.50	4.23	< 3.0	12.0
OM_6PITDW	9/12/2017											9.99																	
OM_6PTDW	9/19/2017																												
OM_6PRDW	9/26/2017																												
OM_6PITDW	10/4/2017																												
OM_6PITDW	10/10/2017	5.45	1.57	1.58	< 0.010	0.072	82.7	1207	3.79	3.89	198	3.85	0.046	0.094	< 0.00010	< 0.00010	< 10	17	751	7.6	61	322	376	6.55	7.33	< 0.50	7.30	< 3.0	35.7
OM_6RIDW	10/17/2017																												
OM_6RIDW	10/24/2017	8.72	8.42	9.08	< 0.010	2.36	88.0	154.9	3.80	5.93	533	9.28	0.095	0.298	< 0.00010	< 0.00020	< 10	15	1110	301	5300	61800		13.2	12.0	< 0.50	42.9	79.8	562
OM_6RIDW	10/31/2017																												
OM_6PITDW	11/7/2017																												
OM_6PRDW	11/14/2017																												
OM_6RIDW	11/21/2017																												
OM_6PITDW	12/6/2017																												
OM_6RIDW	12/12/2017	2.98	1.76	1.39	< 0.010	< 0.010	302	1838	1.97	1.78	460	5.37	0.150	0.161	< 0.00010	< 0.00010	< 10	< 10	1210	2.55	0.73	6.9	4.71	3.80	3.82	0.55	0.70	129	139
OM_6RIDW	12/19/2017	3.24	1.54	1.37	< 0.010	< 0.010	276		1.90	1.96	334		0.125	0.136	< 0.00010	< 0.00010	< 10	< 10	1060	2.64	0.73	2.8	2.32	3.91	4.35	0.53	0.85	83.3	99.3
OM_6RIDW	12/27/2017																												
OM_6RIDW2	11/28/2017	7.34	9.43	11.1	< 0.010	0.321	85.5	1475	2.94	3.27	585	-0.08	0.079	0.367	< 0.00010	0.00013	< 10	15	1150	13.9	323	4990		7.26	9.25	< 0.50	35.4	102	599
OM_6RIDW2	12/12/2017	3.88	1.14	1.21	0.010	< 0.010	57.1	1387	4.16	3.70	407	5.22	0.022	0.032	< 0.00010	< 0.00010	< 10	< 23	993	4.86	8.27	210	116	5.10	5.06	< 0.50	1.41	135	166
OM_6RIDW2	12/19/2017	4.16	1.41	1.4	< 0.010	< 0.010	25.5		1.04	1.09	544		0.021	0.024	< 0.00010	< 0.00010	< 10	< 10	627	2.70	2.74	20.8	12.1	2.67	3.12	< 0.50	< 0.50	19.5	26.9
OM_6RIDW2	12/27/2017																												

Appendix C - Historical Monitoring Data

E258175 - CM_MC1

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
18-Jan-00		1	0.1
10-Feb-00		1	0.1
17-Mar-00		1	0.4
4-Apr-00		1	1.1
13-Apr-00		1	1.1
21-Apr-00		2	0.4
27-Apr-00		1	0.1
6-May-00		2	1.5
15-May-00			
21-May-00		31	16.7
1-Jun-00		13	3.7
12-Jun-00		3	2.2
16-Jun-00		4	3.3
22-Jun-00		4	4.1
27-Jun-00		1	0.1
7-Jul-00		1	0.4
14-Jul-00		1	0.1
18-Jul-00		1	0.1
28-Jul-00		1	0.4
17-Aug-00		1	0.1
12-Sep-00		1	0.4
23-Oct-00		1	0.1
21-Nov-00		1	2.2
11-Dec-00		1	0.1
11-Jan-01		1	0.1
12-Feb-01		1	0.1
12-Mar-01		1	0.1
12-Apr-01		1	0.1
17-Apr-01		1	0.1

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
24-Apr-01		1	0.1
3-May-01		1	1.1
9-May-01		8	4.4
15-May-01		15	17.4
22-May-01		31	11.9
30-May-01		4	1.9
5-Jun-01		8	4.8
11-Jun-01		2	0.1
19-Jun-01		1	0.1
27-Jun-01		1	0.1
5-Jul-01		1	1.5
11-Jul-01		1	0.1
17-Jul-01		1	0.1
26-Jul-01		1	0.1
13-Aug-01		1	0.1
13-Sep-01		1	0.4
11-Oct-01		1	0.4
13-Nov-01			
14-Nov-01		2	1.1
19-Dec-01		1	0.4
14-Jan-02		1	0.7
11-Feb-02		1	0.1
11-Mar-02		1	0.4
11-Apr-02		1	0.4
18-Apr-02		2	1.9
25-Apr-02		1	0.4
2-May-02		2	5.2
8-May-02		1	0.7
23-May-02		7	5.9
30-May-02		38	22.6
5-Jun-02		21	14.1
19-Jun-02		20	12.6

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
26-Jun-02		128	80.4
3-Jul-02		18	12.2
11-Jul-02		5	5.2
18-Jul-02		2	1.1
24-Jul-02		3	0.4
9-Aug-02		< 1.0	< 0.1
5-Sep-02		20	15.6
6-Sep-02			
9-Oct-02		< 1.0	< 0.1
14-Nov-02		< 1.0	0.4
2-Dec-02		< 1.0	< 0.1
10-Dec-02			
14-Jan-03		< 1.0	1.5
30-Jan-03			
11-Feb-03		< 1.0	< 0.1
18-Mar-03		< 1.0	1.1
3-Apr-03		2	0.7
10-Apr-03		< 1.0	1.1
25-Apr-03		13	6.7
2-May-03		< 1.0	1.5
8-May-03		< 1.0	1.5
15-May-03		12	9.3
22-May-03		3	4.1
29-May-03		67	45.6
6-Jun-03		24	18.5
12-Jun-03		16	6.3
19-Jun-03		4	2.6
27-Jun-03		3	2.2
3-Jul-03		2	2.6
10-Jul-03		< 1.0	1.1
21-Jul-03		< 1.0	1.1
25-Jul-03		< 1.0	0.7

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
31-Jul-03		< 1.0	1.1
21-Aug-03		< 1.0	0.7
23-Sep-03		< 1.0	< 0.1
24-Oct-03		7	1.1
4-Nov-03		< 1.0	1.1
2-Dec-03		< 1.0	1.5
16-Dec-03			
3-Jan-04			
6-Jan-04		< 1.0	0.4
3-Feb-04		< 1.0	3
3-Mar-04		< 1.0	0.7
6-Apr-04		2	1.9
14-Apr-04		4	4.4
20-Apr-04		< 1.0	2.6
27-Apr-04		46	22.2
4-May-04		16	13.3
11-May-04		7	8.9
18-May-04		6	4.8
25-May-04		4	4.1
1-Jun-04		5	5.6
9-Jun-04		4	5.2
15-Jun-04		4	3
22-Jun-04		3	1.9
29-Jun-04		< 1.0	0.7
6-Jul-04		< 1.0	3.7
13-Jul-04		1	0.7
20-Jul-04		< 1.0	1.9
27-Jul-04		2	1.9
3-Aug-04		< 1.0	0.7
7-Sep-04		2	2.2
5-Oct-04			
7-Oct-04		< 1.0	0.4

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
4-Nov-04			
5-Nov-04		< 1.0	< 0.1
8-Dec-04		2	1.1
2-Feb-05		< 1.0	13.3
2-Mar-05			
2-Mar-05		< 1.0	< 0.1
6-Apr-05		2	1.1
12-Apr-05		< 1.0	0.4
20-Apr-05		2	0.4
28-Apr-05		4	1.1
4-May-05		2	1.9
10-May-05		13	9.6
17-May-05		82	12.6
24-May-05		13	3
31-May-05		5	2.6
13-Jun-05		21	13
21-Jun-05		13	5.9
28-Jun-05		6.3	5.98
5-Jul-05		< 4.0	1.1
12-Jul-05		< 4.0	0.6
20-Jul-05		< 4.0	0.68
28-Jul-05		< 4.0	0.45
2-Aug-05			
4-Aug-05		7.3	0.43
13-Sep-05		< 4.0	0.93
4-Oct-05		< 4.0	2.74
1-Nov-05			
3-Nov-05		< 4.0	1.47
13-Dec-05		< 4.0	1.24
7-Feb-06		< 3.0	0.43
15-Mar-06		< 3.0	1.4
4-Apr-06		< 3.0	1.8

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3-May-06		< 3.0	3.1
11-May-06		< 3.0	1.8
16-May-06		37	36.8
26-May-06		15	16.6
1-Jun-06		6	7.6
13-Jun-06		3	2.3
21-Jun-06		< 3.0	2.4
28-Jun-06		< 3.0	1.5
4-Jul-06		< 3.0	1.3
12-Jul-06		< 3.0	0.75
18-Jul-06		< 3.0	0.8
25-Jul-06		< 3.0	0.69
1-Aug-06		< 3.0	0.45
6-Sep-06		< 3.0	1
3-Oct-06		3	0.22
7-Nov-06		66	40.6
5-Dec-06		< 3.0	0.24
3-Jan-07		< 3.0	0.4
6-Feb-07		< 3.0	0.33
6-Mar-07		< 3.0	< 0.2
3-Apr-07		< 3.0	0.58
9-Apr-07		< 3.0	0.26
19-Apr-07		< 3.0	0.65
24-Apr-07		5	2.9
15-May-07		3	5.8
22-May-07		3	9.3
29-May-07		8	9.1
5-Jun-07		26	11.2
12-Jun-07		5	< 0.2
19-Jun-07		< 3.0	0.5
26-Jun-07		< 3.0	< 0.2
3-Jul-07		4	1.1

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
10-Jul-07		4	0.88
17-Jul-07		< 3.0	1.5
24-Jul-07		< 3.0	0.38
1-Aug-07		< 3.0	< 0.2
7-Aug-07		5	0.31
4-Sep-07		< 3.0	0.28
2-Oct-07		< 3.0	0.54
13-Nov-07		4	0.35
5-Dec-07		< 3.0	2.4
2-Jan-08		< 3.0	< 0.2
5-Feb-08		< 3.0	0.2
4-Mar-08		< 3.0	< 0.2
1-Apr-08		< 3.0	0.24
7-Apr-08		< 3.0	0.29
14-Apr-08		< 3.0	0.2
21-Apr-08		< 3.0	< 0.2
28-Apr-08		3	0.33
6-May-08		< 3.0	1.4
12-May-08		3	0.47
26-May-08		18	15.9
3-Jun-08		3	7.6
9-Jun-08		< 3.0	4.7
16-Jun-08		< 3.0	3.1
23-Jun-08		< 3.0	1.9
7-Jul-08		< 3.0	< 0.2
14-Jul-08		< 3.0	< 0.2
21-Jul-08		< 3.0	< 0.2
28-Jul-08		< 3.0	0.21
5-Aug-08		< 3.0	0.22
11-Aug-08		3	0.3
18-Aug-08		< 3.0	0.22
25-Aug-08		< 3.0	0.22

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2-Sep-08		< 3.0	0.28
7-Oct-08	0.2	5	7.5
4-Nov-08	0.2	< 3.0	0.25
2-Dec-08	0.2	< 3.0	0.14
6-Jan-09	0.2	< 3.0	0.35
3-Feb-09	0.2	< 3.0	0.16
3-Mar-09	0.2	< 3.0	< 0.10
7-Apr-09	0.2	< 3.0	0.32
14-Apr-09	0.2	< 3.0	0.39
20-Apr-09	0.25	< 3.0	0.35
27-Apr-09	0.3	< 3.0	0.31
5-May-09	0.3	< 3.0	0.47
11-May-09	0.35	< 3.0	0.54
19-May-09	1	9.7	9.46
25-May-09	1	5	3.06
2-Jun-09	1.3	4.4	5.06
8-Jun-09	0.9	5	2
15-Jun-09	0.9	< 3.0	1.06
22-Jun-09	0.9	7.1	5.71
29-Jun-09	0.45	< 3.0	0.68
7-Jul-09	0.45	< 3.0	0.56
13-Jul-09	0.3	< 3.0	0.47
20-Jul-09	0.3	< 3.0	0.43
27-Jul-09	0.3	5.7	0.7
4-Aug-09	0.25	< 3.0	0.48
1-Sep-09	0.2	< 3.0	0.26
6-Oct-09	0.2	< 3.0	0.27
3-Nov-09	0.2	< 3.0	0.26
1-Dec-09	0.2	< 3.0	0.22
5-Jan-10	0.05		0.36
2-Feb-10	0.05		0.17
2-Mar-10	0.05	< 3.0	0.13

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
8-Mar-10	0.05	< 3.0	
15-Mar-10	0.05		
23-Mar-10	0.05	< 3.0	< 0.1
29-Mar-10	0.05	< 3.0	0.15
6-Apr-10	0.005	< 3.0	0.11
12-Apr-10	0.05	< 3.0	0.11
19-Apr-10	0.3	3	0.48
26-Apr-10	0.45	< 3.0	0.85
4-May-10	0.35	< 3.0	0.38
10-May-10	0.3	3.3	0.19
17-May-10	1.15	< 3.0	4.59
25-May-10	0.72	< 3.0	1.12
1-Jun-10	0.27	6.5	4.63
7-Jun-10	1.1	5.3	6.7
14-Jun-10	1.1	< 3.0	2.87
21-Jun-10	1.1	6.2	4.35
28-Jun-10	0.61	< 3.0	0.95
6-Jul-10	0.62	6.2	0.74
12-Jul-10	0.45	< 3.0	2.88
19-Jul-10	0.28	< 3.0	0.4
26-Jul-10	0.26	4.9	2.04
3-Aug-10	0.3	< 3.0	0.27
7-Sep-10	0.26	9	0.57
5-Oct-10	0.3	< 3.0	0.25
27-Oct-10	0.26	< 3.0	0.38
2-Nov-10	0.7	7.3	7.51
7-Dec-10	0.26	< 3.0	0.27
3-Jan-11	0.2	< 3.0	0.19
4-Jan-11	0.28	< 3.0	0.37
1-Feb-11	0.2	< 3.0	0.36
7-Mar-11	0.2	< 3.0	0.22
5-Apr-11	0.2	< 3.0	0.16

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
12-Apr-11	0.2	< 3.0	0.16
19-Apr-11	0.2	< 3.0	0.22
26-Apr-11	0.25	< 3.0	0.2
3-May-11	0.25	< 3.0	0.23
10-May-11	0.43	< 3.0	0.67
17-May-11	0.82	< 3.0	2.51
24-May-11	1.25	10.3	7.09
31-May-11	1.08	3.9	2.3
7-Jun-11	1.78	22.7	12.7
14-Jun-11	1.78	12.5	8.17
20-Jun-11	1.25	12.8	8.15
27-Jun-11	1.25	8.4	2.39
5-Jul-11	1.25	7	3.56
12-Jul-11	1.1	4.7	2.62
19-Jul-11	0.7	3	0.89
25-Jul-11	0.7	3.5	1.19
2-Aug-11	0.45	< 3.0	0.76
6-Sep-11	0.93	< 3.0	0.27
4-Oct-11	0.2	< 3.0	0.83
1-Nov-11	0.15	< 3.0	0.4
6-Dec-11	0.2	< 3.0	0.28
3-Jan-12	0.2	< 3.0	0.19
7-Feb-12	0.15	< 3.0	0.18
7-Mar-12	0.11	< 3.0	0.14
3-Apr-12	0.1	< 3.0	0.31
10-Apr-12	0.022	< 3.0	
17-Apr-12		< 3.0	
1-May-12		< 3.0	2.31
8-May-12	0.427	< 3.0	
15-May-12	1.16	12	
22-May-12	3.05	13.3	
29-May-12	0.65	< 3.0	

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
5-Jun-12	1.75	54	
12-Jun-12	1.44	8.3	
19-Jun-12	1.24	22.2	
26-Jun-12	1.6	49.6	
3-Jul-12		12.3	9.66
10-Jul-12	0.408	3.3	
17-Jul-12		< 3.0	
24-Jul-12		3.3	
31-Jul-12		< 3.0	
7-Aug-12	0.08	< 3.0	0.3
4-Sep-12	0.08	< 3.0	0.23
2-Oct-12	0.0466	< 3.0	
6-Nov-12	0.255	< 3.0	
4-Dec-12	0.077	< 3.0	
2-Jan-13	0.0558	< 3.0	
5-Feb-13	0.0444	< 3.0	0.25
5-Mar-13	0.0614	< 3.0	0.45
2-Apr-13	0.0329	7	1.19
9-Apr-13	0.169	6.3	1.95
16-Apr-13	0.0521	3.3	1.03
23-Apr-13	0.0408	3.6	1.05
30-Apr-13	0.0879	< 3.0	1.07
7-May-13	0.261	9.6	5.8
14-May-13	0.386	68.5	25.1
21-May-13	1.414	8	5.24
28-May-13	1.41	18.5	4.61
4-Jun-13	0.169	4.3	2.69
11-Jun-13	0.169	4.8	2.79
18-Jun-13	0.129		1.53
25-Jun-13		19.6	19.5

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2-Jul-13		< 3.0	1.75
9-Jul-13	0.645	< 3.0	0.97
16-Jul-13	0.0973	< 3.0	0.46
23-Jul-13	0.099	< 3.0	0.41
30-Jul-13		< 3.0	0.49
6-Aug-13	0.224	< 3.0	0.75
3-Sep-13	0.0726	< 3.0	0.23
1-Oct-13	0.21	2.3	2.66
5-Nov-13	0.062	1	0.4
3-Dec-13		< 1.0	0.24
7-Jan-14	0	< 1.0	0.11
4-Feb-14		< 1.0	0.25
4-Mar-14		1.2	0.46
1-Apr-14		< 1.0	0.24
8-Apr-14		< 1.0	0.2
15-Apr-14		< 3.0	0.21
22-Apr-14		< 1.0	0.23
29-Apr-14		< 1.0	0.19
6-May-14		1.8	2.61
13-May-14		1.6	1.69
20-May-14	1.137	31.7	12.1
27-May-14	1.975	39.5	21.8
3-Jun-14		15.1	14.1

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
10-Jun-14	1.431	13.7	9.76
17-Jun-14	2.112	473	230
24-Jun-14	1.013	7.7	4.32
2-Jul-14	0.406	2.3	1.26
8-Jul-14	0.264	< 1.0	0.73
15-Jul-14	0.17	1.8	1.06
22-Jul-14	0.115	< 1.0	0.69
29-Jul-14	0.0912	1.5	0.57
5-Aug-14	0.0763	< 1.0	0.26
2-Sep-14	0.034362	4.1	0.77
7-Oct-14	0.032	< 1.0	0.29
4-Nov-14	0.189	5.9	5.82
3-Dec-14		< 1.0	0.45
6-Jan-15	0.049	< 2.0	0.35
3-Feb-15		< 1.0	0.17
3-Mar-15	0.0834	< 1.0	0.21
30-Mar-15	0.428	1.8	1.61
8-Apr-15	0.191	1.4	0.4
15-Apr-15	0.143	< 1.0	0.28
22-Apr-15	0.382	1.3	0.93
29-Apr-15		5.2	3.11
6-May-15	0.5881832	3.8	2.68
13-May-15	0.4581135	1	1.14
20-May-15	0.508	1.7	1.59
27-May-15	1.28935	22.5	6.05

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3-Jun-15		47.2	20.5
10-Jun-15	0.542871	3.7	1.39
17-Jun-15	0.29	1.4	0.59
24-Jun-15	0.19754	< 1.0	0.36
30-Jun-15	0.116	< 1.0	0.54
8-Jul-15	0.092	< 1.0	0.25
15-Jul-15	0.0615	< 1.0	0.25
21-Jul-15	0.059	2	0.35
27-Jul-15	0.05526	1.8	0.34
5-Aug-15	0.046	< 1.0	0.28
2-Sep-15	0.032	< 1.0	0.25
2-Sep-15		< 1.0	< 0.10
7-Oct-15	0.04	< 1.0	0.13
4-Nov-15	0.07	< 1.0	0.34
2-Dec-15	0.046	< 1.0	0.18
6-Jan-16	0.043	< 1.0	0.15
3-Feb-16	0.043	< 1.0	0.13
2-Mar-16	0.026875	< 1.0	0.24
6-Apr-16	0.116002	< 1.0	0.37
13-Apr-16	0.412608	4.4	2.68
20-Apr-16	0.763708	3.8	4.03
27-Apr-16	0.7297	3.6	2.43
4-May-16	0.838	7.1	4.41
11-May-16	0.628521	3.5	2.51
18-May-16	0.525	5.6	1.63
25-May-16	0.64	2.5	2.02
1-Jun-16	0.544716	1.6	1.37
8-Jun-16	0.488	3.8	1.51
15-Jun-16	0.2177	3.1	0.64
22-Jun-16	0.150	4.0	0.39
29-Jun-16	0.102	1.4	0.44
6-Jul-16	0.086	< 1.0	0.24
13-Jul-16	0.071	1.9	0.54
20-Jul-16	0.071	< 1.0	0.21
27-Jul-16	0.058	2.8	0.39
3-Aug-16	0.038	1.1	0.22
7-Sep-16	0.033	< 1.0	0.15
5-Oct-16	0.054	1.9	0.84

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2-Nov-16	0.429	1.4	1.72
13-Dec-16	0.139	1.0	0.42
1/18/2017	0.055	2.0	0.75
2/1/2017	0.0406	< 1.0	0.37
3/1/2017	0.054	< 1.0	0.22
4/5/2017	0.080337	< 1.0	0.53
4/12/2017	0.196973	1.5	0.4
4/19/2017	0.110711	1.7	0.44
4/26/2017	1.152775	2.8	1.26
5/2/2017	0.22394	< 1.0	0.41
5/9/2017	0.681	3.8	2.87
5/16/2017	1.042905	2.7	2.36
5/23/2017	2.99	27.2	13.9
5/30/2017	1.724	27.2	20.5
6/6/2017	1.428	18.4	10.8
6/14/2017	1.274	9.4	6.46
6/21/2017	0.6803	3.5	2.94
6/28/2017	0.3313	1.9	1.09
7/4/2017	0.69	2.5	0.11
7/12/2017	0.1	2.8	0.78
7/19/2017	0.33	3.1	0.38
7/25/2017	0.06293	< 1.0	0.37
8/1/2017	0.1783	< 1.0	0.41
8/8/2017	0.13304	< 1.0	0.35
8/15/2017	0.05606	< 1.0	0.35
8/22/2017	0.04547	1.0	0.44
8/29/2017	0.04547	< 1.0	0.58
9/12/2017	0.0406	< 1.0	0.22
9/19/2017	0.05061	< 1.0	0.28
9/26/2017	0.04547	1.2	0.38
10/2/2017	0.056056	2.4	1.28
10/10/2017	0.05061	< 1.0	0.16
10/17/2017	0.05606	< 1.0	0.22
10/24/2017	0.08106	< 1.0	0.42
10/31/2017	0.06182	< 1.0	0.3
11/7/2017	0.04448	2.3	0.8
12/6/2017	0.081	< 1.0	0.56

E206438 - CM_CCPD

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
18-Jan-00		5	0.1
10-Feb-00		1	0.1
17-Mar-00		1	0.4
4-Apr-00		1	2.2
13-Apr-00		2	1.5
21-Apr-00		5	9.3
27-Apr-00		2	0.7
6-May-00		4	5.2
15-May-00		1	0.7
21-May-00		2	0.4
1-Jun-00		2	1.9
9-Jun-00		2	1
16-Jun-00		4	6.3
22-Jun-00		2	4.4
27-Jun-00		1	1.1
7-Jul-00		2	1.9
14-Jul-00		2	1.9
18-Jul-00		1	1.1
28-Jul-00		2	1.5
17-Aug-00		1	0.7
12-Sep-00		2	2.2
23-Oct-00	0.276	11	4.8
21-Nov-00		3	3.3
1-Dec-00		2	0.1
11-Jan-01		3	1.9
12-Feb-01		1	0.1
12-Mar-01		9	2.6
12-Apr-01		1	0.7
17-Apr-01		2	0.1

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
24-Apr-01		1	2.6
3-May-01		3	5.6
9-May-01		2	2.6
15-May-01		4	3.7
22-May-01		1	0.1
30-May-01		1	0.7
5-Jun-01		5	7.4
11-Jun-01	0.38	2	0.1
19-Jun-01		1	0.1
27-Jun-01		1	0.1
5-Jul-01		1	0.7
11-Jul-01		1	1
17-Jul-01		1	0.1
26-Jul-01		1	0.1
13-Aug-01		1	0.1
13-Sep-01		4	0.1
11-Oct-01		7	1.5
14-Nov-01		1	0.4
19-Dec-01		1	0.4
14-Jan-02		1	1.5
11-Feb-02		1	0.4
11-Mar-02		1	0.4
11-Apr-02		4	1.9
18-Apr-02		1	0.7
25-Apr-02		1	0.4
2-May-02		1	7.8
8-May-02		1	0.7
17-May-02		2	3
23-May-02		6	8.1
30-May-02		28	43.3
5-Jun-02		4	5.9

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
11-Jun-02		3	9.6
19-Jun-02		3	7
26-Jun-02		2	2.2
3-Jul-02	0.11	2	3.3
11-Jul-02		2	1.9
18-Jul-02		1	0.4
24-Jul-02		1	0.4
9-Aug-02	0.16	1	< 0.1
5-Sep-02	0.15	1	< 0.1
9-Oct-02	0.03	2	0.7
14-Nov-02	0.07	2	0.7
2-Dec-02	0.03	< 1.0	4.4
14-Jan-03	0.02	< 1.0	1.1
11-Feb-03	0.02	< 1.0	0.4
18-Mar-03	0.03	1	1.5
3-Apr-03	0.06	2	4.1
10-Apr-03	0.1	4	7
18-Apr-03	0.17	3	4.8
25-Apr-03	0.44	10	11.5
2-May-03	0.3	2	7
8-May-03	0.29	< 1.0	1.5
15-May-03	0.39	2	1.5
22-May-03	0.33	< 1.0	1.9
29-May-03		3	3.7
6-Jun-03	0.492	< 1.0	2.6
12-Jun-03	0.42	< 1.0	1.1
19-Jun-03	0.3	1	1.9
27-Jun-03	0.3	2	4.8
3-Jul-03	0.09	1	3
10-Jul-03	0.11	< 1.0	1.9
21-Jul-03	0.1	1	1.1

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
25-Jul-03	0.1	1	1.9
31-Jul-03	0.11	1	2.2
21-Aug-03	0.08	1	1.9
23-Sep-03	0.017	2	3
24-Oct-03		4	4.4
4-Nov-03	0.1	2	3.7
2-Dec-03	0.07	< 1.0	1.9
6-Jan-04	0.01	12	1.9
3-Feb-04	0.02	< 1.0	3
3-Mar-04	0.01	2	2.2
6-Apr-04	0.18	3	3
14-Apr-04	0.23	5	5.9
20-Apr-04	0.21	1	2.6
27-Apr-04		2	2.2
4-May-04	0.198	4	7.8
11-May-04	0.142	4	5.9
18-May-04	0.105	1	3.3
25-May-04	0.124	2	1.9
1-Jun-04	0.099	< 1.0	1.9
9-Jun-04	0.115	1	3
15-Jun-04	0.107	2	1.9
22-Jun-04	0.0822	2	0.7
29-Jun-04	0.0881	2	2.2
6-Jul-04	0.073	1	2.2
14-Jul-04	0.0722	2	0.7
20-Jul-04	0.0383	2	1.9
27-Jul-04	0.0502	4	3
3-Aug-04	0.0608	2	1.9
7-Sep-04	0.066	2	4.8
7-Oct-04	0.09	2	1.1
5-Nov-04	0.08	1	0.4

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
8-Dec-04	0.04	2	3
5-Jan-05	0.0675	< 1.0	5.9
1-Feb-05	0.234	< 1.0	12.6
2-Mar-05	0.109	< 1.0	< 0.1
6-Apr-05	0.078	3	1.9
12-Apr-05	0.124	2	3.7
20-Apr-05	0.101	1	0.7
28-Apr-05	0.45	2	0.7
4-May-05	0.429	1	0.7
10-May-05	0.661	1	1.5
19-May-05	0.852	< 1.0	1.9
24-May-05	0.778	2	0.7
31-May-05	0.334	1	1.1
7-Jun-05		3	2.2
13-Jun-05		4	7
21-Jun-05		2	2.6
28-Jun-05		7.7	
5-Jul-05	0.565	< 4.0	0.85
12-Jul-05		< 4.0	0.64
20-Jul-05		< 4.0	2.1
28-Jul-05		< 4.0	1.32
4-Aug-05	0.143	< 4.0	1.03
13-Sep-05	0.103	< 4.0	1.17
4-Oct-05	0.0257	< 4.0	3.28
3-Nov-05		< 4.0	0.92
13-Dec-05	0.0716	< 4.0	0.12
11-Jan-06	0.0048	< 4.0	0.41
7-Feb-06	0.0309	< 3.0	0.6
15-Mar-06	0.028	< 3.0	1.3
18-Mar-06		6	1.2
4-Apr-06	0.0257	< 3.0	2.3

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
13-Apr-06	0.127	< 3.0	1.7
18-Apr-06	0.163	6	1.2
25-Apr-06	0.294	3	3.1
3-May-06	0.794	6	16.8
11-May-06	0.567	3	1.3
16-May-06	0.928	6	5.7
26-May-06	0.99	< 3.0	2.1
1-Jun-06	0.721	< 3.0	1
13-Jun-06	0.476	< 3.0	1.3
21-Jun-06		< 3.0	1.5
28-Jun-06	0.9	3	0.8
4-Jul-06	0.157	3	1.3
12-Jul-06		< 3.0	0.78
18-Jul-06	0.13	< 3.0	0.72
25-Jul-06	0.112	< 3.0	0.57
1-Aug-06	0.095	3	1.4
6-Sep-06	0.016	< 3.0	1.8
3-Oct-06	0.025	< 3.0	4.1
7-Nov-06	0.438	10	23.7
5-Dec-06	0.112	< 3.0	1.5
2-Jan-07	0.09	< 3.0	0.98
6-Feb-07	0.06	< 3.0	0.73
6-Mar-07	0.061	3	0.5
3-Apr-07	0.271	< 3.0	0.38
9-Apr-07	0.24	< 3.0	1.1
19-Apr-07	0.365	5	0.99
24-Apr-07	0.357	6	1.9
2-May-07	0.864	6	3.9
9-May-07	1.081	< 3.0	2.8
15-May-07	1.737	< 3.0	1.3
22-May-07	2.509	< 3.0	1.5

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
29-May-07	0.997	3	4.8
5-Jun-07	0.959	< 3.0	1.1
12-Jun-07	0.79	< 3.0	< 0.2
19-Jun-07	0.596	3	1.6
26-Jun-07	0.376	3	0.65
3-Jul-07	0.376	5	1
10-Jul-07	0.28	< 3.0	1.7
17-Jul-07	0.231	< 3.0	0.91
24-Jul-07	0.143	< 3.0	1.2
1-Aug-07	0.136	4	0.69
7-Aug-07	0.313	4	1.2
4-Sep-07	0.072	< 3.0	0.73
2-Oct-07	0.056	< 3.0	1.3
13-Nov-07	0.042	7	1.2
5-Dec-07	0.07	< 3.0	2.4
2-Jan-08	0.107	< 3.0	0.32
5-Feb-08	0.01	< 3.0	0.21
4-Mar-08	0.01	< 3.0	0.27
1-Apr-08	0.0132	3	1.6
7-Apr-08	0.02	< 3.0	3.1
14-Apr-08	0.29	< 3.0	4.6
21-Apr-08	0.051	3	1.3
28-Apr-08	0.124	6	2.8
6-May-08	0.254	< 3.0	1.2
12-May-08	0.292	5	0.76
20-May-08	1.01	< 3.0	4.5
26-May-08	2.55	4	8.4
3-Jun-08	1.497	< 3.0	1
9-Jun-08	0.724	< 3.0	0.98
16-Jun-08	0.766	< 3.0	< 0.2
23-Jun-08	0.332	< 3.0	0.21

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
7-Jul-08	0.18	< 3.0	< 0.2
14-Jul-08	0.178	< 3.0	0.27
21-Jul-08	0.178	< 3.0	0.21
28-Jul-08	0.095	< 3.0	0.22
5-Aug-08	0.079	< 3.0	0.59
11-Aug-08	0.044	7	1.3
18-Aug-08	0.09	5	0.82
25-Aug-08	0.043	3	1.1
2-Sep-08	0.094	5	0.69
7-Oct-08	0.065	< 3.0	1.1
4-Nov-08	0.061	3	0.49
2-Dec-08	0.034	< 3.0	0.63
6-Jan-09	0.027	< 3.0	0.23
3-Feb-09	0.052	< 3.0	0.48
3-Mar-09	0.066	< 3.0	0.27
7-Apr-09		4.4	2.94
14-Apr-09	0.049	6.2	6.65
20-Apr-09	0.075	4.9	5.9
27-Apr-09	0.119	< 3.0	1.1
5-May-09	0.136	3.6	1.07
11-May-09	0.133	4.7	0.71
19-May-09	0.334	6.4	2.87
25-May-09	0.573	< 3.0	1.2
2-Jun-09	0.79	< 3.0	0.92
8-Jun-09	0.318	4.3	0.58
15-Jun-09	0.215	< 3.0	0.47
22-Jun-09	0.25	3.8	0.67
29-Jun-09	0.196	< 3.0	0.68
7-Jul-09	0.13	4.2	0.55
13-Jul-09	0.166	< 3.0	0.76
20-Jul-09	0.133	3.3	1.01

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
27-Jul-09	0.143	< 3.0	4.99
4-Aug-09	0.148	< 3.0	1.71
1-Sep-09	0.144	< 3.0	1.13
6-Oct-09	0.047	< 3.0	1.01
3-Nov-09	0.04	< 3.0	3.7
1-Dec-09	0.038	< 3.0	0.47
5-Jan-10	0.018		0.44
2-Feb-10	0.019	< 3.0	0.33
2-Mar-10	0.011	3.7	0.7
8-Mar-10	0.017		
15-Mar-10	0.016		
23-Mar-10	0.0243	< 3.0	0.93
29-Mar-10	0.037	3.1	1.15
6-Apr-10	0.033	< 3.0	1.75
12-Apr-10	0.03	< 3.0	0.51
19-Apr-10	0.049	< 3.0	1.36
26-Apr-10	0.324	< 3.0	1.21
4-May-10	0.255	< 3.0	1.6
10-May-10	0.187	5.3	0.55
17-May-10	0.403	4.3	0.46
25-May-10	0.43	< 3.0	0.52
1-Jun-10	0.633	< 3.0	1.54
7-Jun-10	0.658	< 3.0	0.65
14-Jun-10	0.422	< 3.0	0.69
21-Jun-10	0.682	< 3.0	3.32
28-Jun-10	0.362	< 3.0	10.9
6-Jul-10	0.274	6.2	0.78
12-Jul-10	0.225	< 3.0	1.09
19-Jul-10	0.184	< 3.0	2.09
26-Jul-10	0.206	< 3.0	1.13
3-Aug-10	0.164	< 3.0	0.93

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
7-Sep-10	0.111	< 5.0	0.79
5-Oct-10	0.169	< 3.0	0.75
27-Oct-10	0.0827	< 3.0	0.82
2-Nov-10	0.162	4.3	3.58
7-Dec-10	0.099	< 3.0	0.36
3-Jan-11	0.0126	< 3.0	0.53
4-Jan-11	0.052	< 3.0	0.38
1-Feb-11	0.0063	75.4	0.26
7-Mar-11	0.0151	< 3.0	0.23
5-Apr-11	0.0672	< 3.0	1.44
12-Apr-11	0.0384	5	1.25
19-Apr-11	0.0157	9.8	2.86
26-Apr-11	0.052	3	3.04
3-May-11	0.0605	< 3.0	4.35
10-May-11	0.175	9.2	20.6
17-May-11	0.583	< 3.0	6.73
24-May-11	0.777	7.8	8.46
31-May-11	0.801	11.2	10.8
7-Jun-11	1.344	< 3.0	2.96
14-Jun-11	1.63	17.8	24.1
20-Jun-11	1.3	< 3.0	1.33
27-Jun-11	1.04	< 3.0	0.46
5-Jul-11	0.711	< 3.0	1.37
12-Jul-11	0.458	< 3.0	0.61
19-Jul-11	0.106	< 3.0	1.5
25-Jul-11	0.198	< 3.0	3
2-Aug-11	0.348	< 3.0	2.25
6-Sep-11		< 3.0	0.82
4-Oct-11	0.0512	< 3.0	1.37
1-Nov-11	0.0749	3.6	2.51
6-Dec-11	0.0225	< 3.0	0.62

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3-Jan-12	0.0126	< 3.0	0.53
7-Feb-12	0.0304	< 3.0	0.41
7-Mar-12	0.0287	< 3.0	0.3
3-Apr-12	0.008	< 3.0	1.63
10-Apr-12		< 3.0	
17-Apr-12	0.0373	< 3.0	
24-Apr-12	0.343	10	
1-May-12	0.759	11.7	14.9
8-May-12	0.386	9.2	
15-May-12	0.862	11.3	
22-May-12	0.898	3.3	
29-May-12	0.58	< 3.0	
5-Jun-12	0.91	< 3.0	
12-Jun-12	0.865	3.7	
19-Jun-12	0.768	< 3.0	
26-Jun-12	0.77	< 3.0	
3-Jul-12	0.653	5.7	1.86
10-Jul-12	0.42	< 3.0	
17-Jul-12	0.291	< 3.0	
24-Jul-12		4	
31-Jul-12		< 3.0	
7-Aug-12	0.114	< 3.0	2.21
4-Sep-12	0.115	3.5	
6-Sep-12	0.0924	4.6	
7-Sep-12	0.0669	< 3.0	
10-Sep-12	0.0867	< 3.0	
12-Sep-12	0.0669	< 3.0	
14-Sep-12	0.0482	4	
17-Sep-12	0.0688	< 3.0	
19-Sep-12	0.0547	< 3.0	
20-Sep-12	0.0564	59	

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
24-Sep-12	0.0498	3.3	
26-Sep-12	0.045	< 3.0	
2-Oct-12	0.0244		
6-Nov-12	0.067	< 3.0	
4-Dec-12	0.026	< 3.0	
2-Jan-13	0.0923	< 3.0	
5-Feb-13	0.067	< 3.0	0.39
5-Mar-13	0.0765	4.3	1.8
2-Apr-13	0.0851	9.4	10.2
9-Apr-13	0.171	15.7	5.79
16-Apr-13	0.0735	11.5	6.37
23-Apr-13	0.0528	9.1	10.4
30-Apr-13	0.124	< 3.0	3.87
7-May-13	0.24	11.4	7.57
14-May-13	1.376	33.8	26
21-May-13	0.719	< 3.0	3.64
28-May-13	0.719	3.9	2.99
4-Jun-13	0.628	4.3	1.61
11-Jun-13	0.414	< 3.0	1.17
18-Jun-13	0.365	6.2	0.71
21-Jun-13		27.8	24.8
22-Jun-13		7.8	10.7
24-Jun-13		9.1	4.92
25-Jun-13	0.875	6.7	4.46
2-Jul-13	0.489	< 3.0	1.1
9-Jul-13	0.292	< 3.0	1.76
16-Jul-13	0.362	< 3.0	0.84
23-Jul-13	0.222	3.3	1.07
30-Jul-13	0.169	< 3.0	1.02
2-Aug-13		20	36
2-Aug-13		< 4.0	11.8

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
6-Aug-13	0.24	5.4	1.88
3-Sep-13	0.097	3.6	1.11
1-Oct-13	0.097	6.9	8.58
5-Nov-13	0.063	< 1.0	0.81
3-Dec-13		< 1.0	0.66
7-Jan-14	0	< 1.0	0.45
4-Feb-14		< 1.0	0.42
4-Mar-14		< 1.0	0.39
1-Apr-14		< 1.0	1.04
8-Apr-14	0.063	2.8	8.29
15-Apr-14	0.085	4.1	7.08
22-Apr-14	0.142	6.2	5.5
29-Apr-14	0.153	7.7	2.36
6-May-14	0.39	6.1	10.1
13-May-14	0.297	2	2.65
20-May-14	0.379	4.3	5.17
27-May-14	1.283	6.2	6.21
3-Jun-14	1.012	2.6	1.39
10-Jun-14	0.702	1.5	0.86
17-Jun-14	0.987	77	79.9
24-Jun-14	1.024	2.1	1.96
2-Jul-14	0.658	1.2	0.54
8-Jul-14	0.0084	< 1.0	0.65
15-Jul-14	0.344	1.1	0.58
22-Jul-14	0.25	< 1.0	1.32
29-Jul-14	0.26	1.9	1.41
5-Aug-14	0.18	< 1.0	0.93
2-Sep-14	0.12	1.1	0.79
7-Oct-14	0.073	2.3	1.48
4-Nov-14	0.091	4.5	3.17
3-Dec-14		< 1.0	1.68

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
6-Jan-15	0.063	< 1.0	0.71
3-Feb-15	0.0645	< 1.0	0.71
3-Mar-15	0.048	< 1.0	0.68
30-Mar-15	0.22	3.3	5.06
8-Apr-15	0.225	2.6	1.53
15-Apr-15	0.204	< 1.0	1.11
22-Apr-15	0.24	3.4	0.99
29-Apr-15	0.293	2.4	1.43
6-May-15	0.455504	3.2	3.04
13-May-15	0.413677	1.8	1.62
20-May-15	0.36	< 1.0	1.12
27-May-15	0.457716	10.1	4.62
2-Jun-15		6.8	7.67
3-Jun-15			
3-Jun-15	0.923	8.8	7
10-Jun-15	0.388	1	1.52
15-Jun-15		< 3.0	0.7
17-Jun-15	0.289	< 1.0	0.91
24-Jun-15	0.235	< 1.0	0.6
30-Jun-15	0.279	< 1.0	0.52
8-Jul-15	0.165	< 1.0	0.57
15-Jul-15	0.111	< 1.0	0.65
21-Jul-15	0.094	1.8	1.09
27-Jul-15	0.113	1.8	1.16
5-Aug-15	0.117	2.4	1.31
2-Sep-15	0.062	2.9	1.6
28-Sep-15	0.028	2	0.9
7-Oct-15	0.037	2.1	0.92
4-Nov-15	0.069	2.2	2.69
5-Nov-15			
2-Dec-15	0.088	< 1.0	0.77
6-Jan-16	0.057	< 1.0	0.50
3-Feb-16	0.049	< 1.0	0.74
3-Feb-16			
23-Feb-16		< 1.0	0.60
2-Mar-16	0.041	< 1.0	0.86

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
6-Apr-16	0.085	15.0	11.6
13-Apr-16	0.225	2.1	2.89
14-Apr-16		5.5	8.62
16-Apr-16	0.290	2.7	4.73
17-Apr-16	0.245	3.5	7.66
17-Apr-16		< 1.0	< 0.10
18-Apr-16		4.1	7.99
18-Apr-16	0.280		
19-Apr-16		3.4	5.60
19-Apr-16	0.320		
20-Apr-16	0.390	3.4	6.58
21-Apr-16		8.0	8.81
27-Apr-16	0.591	4.8	1.94
4-May-16	0.351	1.1	1.12
11-May-16	0.515		
11-May-16		3.5	5.41
18-May-16	0.303		
18-May-16		2.5	1.92
25-May-16	0.235	2.4	2.59
1-Jun-16	0.336	2.1	2.00
8-Jun-16	0.290	1.8	0.93
15-Jun-16	0.235	2.4	1.40
22-Jun-16	0.222	2.0	1.14
29-Jun-16	0.189	< 1.0	1.47
6-Jul-16	0.225	1.9	1.45
13-Jul-16	0.198	2.7	1.42
20-Jul-16	0.123	< 1.0	1.03
27-Jul-16	0.138	1.9	1.04
3-Aug-16	0.119	1.3	0.79
7-Sep-16	0.078	1.6	2.15
5-Oct-16	0.061	2.0	1.39
2-Nov-16	0.262	7.2	11.4
15-Nov-16		5.4	7.82
17-Nov-16	0.228	5.1	5.77
23-Nov-16	0.228	2.0	3.41
30-Nov-16		2.0	3.74

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
13-Dec-16	0.169	< 1.0	1.25
1/17/2017	0.156	3.1	3.44
2/1/2017	0.149	1.3	0.95
3/1/2017	0.156	< 1.0	1.22
4/5/2017	0.134	1.9	4.06
4/12/2017	0.1612768	1.2	4.93
4/19/2017	0.14851092	22.7	6.98
4/26/2017	0.218	2.2	2.79
5/2/2017	0.218	15.2	7.16
5/6/2017		2.8	
5/9/2017	0.628	6.2	10.8
5/16/2017	0.834	4.7	5.62
5/17/2017		18.2	
5/17/2017		14.6	
5/18/2017		3.2	
5/23/2017	1.043	4.4	5.85
5/30/2017	1.146	8.4	17.2
6/6/2017	0.9775	2.8	4.25
6/14/2017	0.708	4.0	8.69
6/21/2017	0.4599	2.1	4.89
6/28/2017	0.3757	1.3	1.01
7/5/2017	0.413	1.8	2.26
7/12/2017	0.356	1.3	1.68
7/19/2017	0.2394	11.3	4.69
7/25/2017	0.249	58.2	10.4
8/1/2017	0.2146	< 1.0	1.03
8/22/2017	0.17457	2.2	1.18
9/12/2017	0.1028	4.4	2.63
9/19/2017	0.10276	3.2	2.3
10/3/2017	0.113400418	4.7	4.23
10/3/2017		3.2	3.56
10/10/2017	0.08306	14.5	8.24
10/11/2017		1.9	2.58
10/24/2017		8.7	6.42
11/7/2017		1.1	1.78
11/22/2017		8.1	6.87

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
11/28/2017		2.4	4.59
12/6/2017		2.5	3.42
12/12/2017		2.1	2.68
12/19/2017		2.3	3.14
12/27/2017		< 1.0	1.61

E298733 - CM_PC2

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
6-May-08	0.209		
3-Jun-08	0.215		
7-Jul-08	0.18		
23-Apr-09	0.351		
27-Apr-09	0.005		
5-May-09	0.005	< 3.0	0.68
11-May-09	0.012		
19-May-09	0.256		
25-May-09	0.219		
2-Jun-09	0.206	< 3.0	0.37
8-Jun-09	0.066		
15-Jun-09	0.018		
22-Jun-09	0.01		
29-Jun-09	0.011		
15-Mar-10			
19-Apr-10	0.043	< 3.0	0.88
26-Apr-10	0.077	< 3.0	0.25
4-May-10	0.024	< 3.0	0.2
10-May-10	0.004	6	0.13
17-May-10	0.138	3.7	0.26

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
25-May-10	0.034	< 3.0	0.19
1-Jun-10	0.105	< 3.0	0.2
7-Jun-10	0.105	< 3.0	0.12
14-Jun-10	0.085	< 3.0	0.15
21-Jun-10	0.209	< 3.0	0.2
28-Jun-10	0.043	3.1	0.16
6-Jul-10	0.004	< 3.0	0.11
12-Jul-10	0.001	< 3.0	0.41
19-Jul-10	0.001	< 3.0	0.17
10-May-11	0.081	< 3.0	0.47
17-May-11	0.239	< 3.0	0.42
24-May-11	0.159	< 3.0	1.11
31-May-11	0.168	< 3.0	0.22
7-Jun-11	0.312	5.3	0.49
14-Jun-11	0.386	< 3.0	0.4
20-Jun-11	0.177	< 3.0	0.47
27-Jun-11	0.121	< 3.0	0.22
5-Jul-11	0.089	< 3.0	0.21
12-Jul-11	0.013	< 3.0	0.19
19-Jul-11	0.003	< 3.0	0.27
25-Jul-11	0.001	< 3.0	0.23
24-Apr-12		< 3.0	
1-May-12		< 3.0	0.23
8-May-12	0.0417	< 3.0	
15-May-12	0.221	< 3.0	
22-May-12	0.188	< 3.0	
29-May-12	0.0561	< 3.0	
5-Jun-12	0.301	< 3.0	
12-Jun-12	0.11	< 3.0	
19-Jun-12	0.177	< 3.0	
26-Jun-12	0.249	< 3.0	

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3-Jul-12	0.069	< 3.0	0.25
10-Jul-12	0.0194	< 3.0	
17-Jul-12	0.00993	< 3.0	
24-Jul-12		< 3.0	
9-Apr-13	0.0316	< 3.0	0.21
16-Apr-13		< 3.0	0.14
23-Apr-13		5	0.4
30-Apr-13	0.0786	< 3.0	0.24
7-May-13	0.146	< 3.0	0.67
14-May-13	0.439	< 3.0	0.53
21-May-13			
21-May-13		< 3.0	0.21
28-May-13		< 3.0	0.22
28-May-13	0.165		
4-Jun-13	0.0576	< 3.0	0.21
11-Jun-13	0.0455		
11-Jun-13		< 3.0	0.23
18-Jun-13	0.6003	< 3.0	0.19
25-Jun-13	0.153	< 3.0	0.35
2-Jul-13	0.0286	< 3.0	0.19
9-Jul-13	0.004	< 3.0	0.15
16-Jul-13		< 3.0	0.16
16-Jul-13			
6-Aug-13	0.008	< 3.0	0.26
1-Oct-13	0.058	< 1.0	0.3
15-Apr-14	0.0075	< 3.0	0.44
22-Apr-14	0.016		
29-Apr-14	0.01	< 1.0	0.22
6-May-14	0.087	< 1.0	0.28
13-May-14	0.045	< 1.0	0.27
20-May-14	0.298	< 1.0	0.36

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
27-May-14	0.262	< 1.0	0.53
3-Jun-14	0.202	< 1.0	0.3
10-Jun-14	0.141	< 1.0	0.28
17-Jun-14	0.0411	< 1.0	0.42
24-Jun-14	0.153	< 1.0	0.28
2-Jul-14	0.021	< 1.0	0.53
8-Jul-14		< 1.0	0.15
15-Jul-14	0.00108	< 1.0	0.23
16-Mar-15		< 1.0	0.52
30-Mar-15	0.062569	< 1.0	0.32
8-Apr-15	0.006	< 1.0	0.17
15-Apr-15	0.003	< 1.0	0.11
22-Apr-15	0.147	< 1.0	0.24
29-Apr-15	0.077	< 1.0	0.19
6-May-15	0.155	1.6	0.14
13-May-15	0.034737	< 1.0	0.12
20-May-15	0.008	< 1.0	1.5
27-May-15	0.097930903	< 3.0	0.27
2-Jun-15		< 1.0	0.49
3-Jun-15			
6-Jan-16	0		
3-Feb-16	0		
2-Mar-16	0		
6-Apr-16	0.046	< 1.0	0.23
13-Apr-16	0.130	< 1.0	0.26
20-Apr-16	0.159	< 1.0	0.46
27-Apr-16	0.563	< 1.0	0.19
4-May-16	0.068	< 1.0	0.18
11-May-16	0.061	< 1.0	0.16
18-May-16	0.022	< 1.0	0.14
25-May-16	0.034	< 1.0	0.19
1-Jun-16	0.031	< 1.0	0.15
8-Jun-16	0.033	< 1.0	0.16
15-Jun-16	0.002	< 1.0	0.16
22-Jun-16	0	< 1.0	0.15
29-Jun-16	0	2.0	0.43

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
6-Jul-16	0	4.2	0.33
13-Jul-16	0		
20-Jul-16	0		
27-Jul-16	0		
3-Aug-16	0		
7-Sep-16	0		
5-Oct-16	0		
2-Nov-16	0.012	< 1.0	0.23
13-Dec-16	0		
4/12/2017	0.00012714	< 1.0	0.15
4/19/2017		9.7	2.88
4/26/2017	0.0287	< 1.0	0.19
5/2/2017	0.009573		
5/9/2017	0.178	< 1.0	0.29
5/16/2017	0.137	< 1.0	0.28
5/23/2017	0.347	2.4	0.64
5/30/2017	0.3473	< 1.0	0.65
6/6/2017	0.1561		
6/14/2017	0.04791	< 1.0	0.19
6/21/2017	0.02117	< 1.0	0.19
6/28/2017	0.00507	< 1.0	0.23
7/5/2017	0.0003	1.2	0.43
7/12/2017	0		
7/19/2017	0		
7/25/2017	0		
8/1/2017	0		
8/8/2017	0		
8/15/2017	0		
8/22/2017	0		
8/29/2017	0		
9/5/2017	0		
9/12/2017	0		
9/19/2017	0		
9/26/2017	0		
10/3/2017	0		
10/10/2017	0		

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
10/17/2017	0		
10/24/2017	0		
10/31/2017	0		
11/7/2017	0		
11/14/2017	0		
11/21/2017	0		
11/22/2017			
11/24/2017	0.06467	< 1.0	1.02
11/28/2017	0		
12/6/2017	0		
12/12/2017	0		
12/19/2017	0		
12/27/2017	0		

E102488 - CM_SPD

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
18-Jan-00		42	10.7
10-Feb-00		4	8.5
17-Mar-00		13	19.3
4-Apr-00		32	76.7
13-Apr-00		34	40.4
21-Apr-00		32	49.3
27-Apr-00		27	35.6
6-May-00		14	20
15-May-00		21	22.2
21-May-00		21	17
1-Jun-00		28	26.3
9-Jun-00		21	18.9
16-Jun-00		11	14.4

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
22-Jun-00		14	14.1
27-Jun-00		11	8.1
7-Jul-00		11	12.2
14-Jul-00		6	5.2
18-Jul-00		4	4.8
28-Jul-00		2	1.5
17-Aug-00		1	1.5
12-Sep-00		10	8.9
23-Oct-00	0.05	7	7.4
21-Nov-00		5	6.3
11-Dec-00		2	1.1
11-Jan-01		7	11.5
12-Feb-01		1	1.1
12-Mar-01		15	27.4
12-Apr-01		5	8.5
17-Apr-01		38	61.1
24-Apr-01		20	36.3
3-May-01		12	20.4
9-May-01		17	25.2
15-May-01		20	20.4
22-May-01		16	10
30-May-01		11	9.6
5-Jun-01		10	15.6
11-Jun-01	0.15	16	13
19-Jun-01		21	19.6
27-Jun-01		8	8.9
5-Jul-01		11	6.7
11-Jul-01		7	3
17-Jul-01		12	11.5
26-Jul-01		29	23.3
13-Aug-01		11	7

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
13-Sep-01		10	7.4
11-Oct-01		39	28.5
14-Nov-01		32	26.7
19-Dec-01		4	6.3
14-Jan-02		7	11.9
11-Feb-02		3	3
11-Mar-02		3	6.3
11-Apr-02		21	31.1
18-Apr-02		11	17.8
25-Apr-02		15	16.3
2-May-02		12	21.1
8-May-02		8	10.4
17-May-02		11	15.6
23-May-02		26	35.6
30-May-02		26	38.5
5-Jun-02	0.31	21	28.5
11-Jun-02	0.4	25	40
19-Jun-02		23	30.7
26-Jun-02	0.21	28	28.5
3-Jul-02		19	20.7
11-Jul-02		15	14.1
18-Jul-02		7	5.6
24-Jul-02	0.09	8	7.8
9-Aug-02	0.08	5	1.9
5-Sep-02	0.3	18	11.1
9-Oct-02	0.05	3	2.2
14-Nov-02	0.03	2	3.7
2-Dec-02	0.03	4	5.2
14-Jan-03	0.03	1	3.7
11-Feb-03	0.03	1	2.2
18-Mar-03	0.03	19	27

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3-Apr-03	0.13	11	20
10-Apr-03	0.17	30	47
18-Apr-03	0.23	36	49.3
25-Apr-03	0.48	33	45.2
2-May-03	0.22	25	40
8-May-03	0.2	18	18.5
15-May-03	0.37	15	10
22-May-03	0.23	13	8.5
29-May-03	0.175	12	9.3
6-Jun-03	0.144	15	13
12-Jun-03	0.183	17	11.9
19-Jun-03	0.11	12	8.1
27-Jun-03	0.08	9	9.3
3-Jul-03	0.06	10	6.3
10-Jul-03	0.09	6	4.1
21-Jul-03	0.06	6	6.3
25-Jul-03	0.04	4	4.8
31-Jul-03	0.03	4	4.1
21-Aug-03	0.03	5	6.3
23-Sep-03	0.026	5	5.6
24-Oct-03		9	11.9
4-Nov-03	0.04	4	6.3
2-Dec-03	0.3	3	4.4
6-Jan-04	0.01	3	2.2
3-Feb-04	0.02	2	2.6
3-Mar-04	0.01	3	4.8
6-Apr-04	0.18	19	1.9
14-Apr-04	0.23	16	22.6
20-Apr-04	0.21	20	11.1
27-Apr-04		11	11.5
4-May-04	0.2	11	9.3

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
11-May-04	0.14	10	11.1
18-May-04	0.11	7	7.8
25-May-04	0.12	8	6.7
1-Jun-04	0.1	13	13.3
9-Jun-04	0.12	10	17.8
15-Jun-04	0.11	19	22.6
22-Jun-04	0.08	11	9.6
29-Jun-04	0.09	7	7.8
6-Jul-04	0.07	13	13.3
13-Jul-04	0.07	7	4.8
20-Jul-04	0.04	7	5.6
27-Jul-04	0.05	8	7.4
3-Aug-04	0.79	9	4.8
7-Sep-04		4	5.6
7-Oct-04		5	0.4
4-Nov-04	0.033		
5-Nov-04	0.033	16	15.2
8-Dec-04	0.02	3	1.9
7-Jan-05	0.044	3	3.7
20-Jan-05	0.616	209	218.5
21-Jan-05		49	74.8
1-Feb-05	0.0924	6	20.7
2-Mar-05	0.0462	5	3.7
6-Apr-05	0.0605	7	6.7
12-Apr-05	0.119	3	4.8
20-Apr-05	0.124	14	10
28-Apr-05	0.275	15	7
4-May-05	0.179	12	9.3
10-May-05	0.245	15	13.3
19-May-05	0.272	6	2.2
24-May-05	0.139	8	1.5

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
31-May-05	0.204	16	14.4
7-Jun-05		21	12.6
13-Jun-05		19	28.9
21-Jun-05		14	13.3
28-Jun-05		16.3	28.7
5-Jul-05	0.123	13.3	8.23
12-Jul-05		8	9.17
20-Jul-05		11.3	9.99
28-Jul-05		8.7	13
4-Aug-05	0.066	8	5.23
13-Sep-05	0.0737	11.3	34.7
4-Oct-05	0.188	6	11.3
1-Nov-05			
3-Nov-05		22	28.1
13-Dec-05		21.3	23.9
11-Jan-06	0.0515	8.7	11.8
7-Feb-06	0.0308	5	2.2
15-Mar-06	0.0297	< 3.0	3.6
18-Mar-06		25	28.5
4-Apr-06	0.0746	< 3.0	17.5
13-Apr-06	0.138	16	46.7
18-Apr-06	0.136	25	28.5
25-Apr-06	0.203	13	18.7
3-May-06	0.296	10	17.5
11-May-06	0.278	6	12.8
16-May-06	0.244	15	27.3
26-May-06	0.639	15	29.1
1-Jun-06	0.183	15	17.1
13-Jun-06	0.169	8	11.5
21-Jun-06		4	7.5
28-Jun-06	0.084	31	34.8

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
4-Jul-06	0.097	14	17.6
12-Jul-06		7	7.7
18-Jul-06	0.17	8	15.7
25-Jul-06	0.083	6	7.8
1-Aug-06	0.042	3	4.8
6-Sep-06	0.024	7	8.2
3-Oct-06	0.004	< 3.0	1.4
7-Nov-06	1.18	220	263
9-Nov-06	0.292	27	72.9
9-Nov-06	0.475	54	116
5-Dec-06	0.094	3	8.1
3-Jan-07	0.087	6	6.6
6-Feb-07	0.042	3	3.8
6-Mar-07	0.035	16	25.2
3-Apr-07	0.135	5	10.8
9-Apr-07	0.261	10	21
19-Apr-07	0.237	6	14.4
24-Apr-07	0.303	9	14.4
2-May-07	0.468	6	12
9-May-07	0.548	8	16.1
15-May-07	0.438	7	8.1
22-May-07	0.42	4	11.5
29-May-07	0.354	16	31.6
5-Jun-07	0.173	12	5.1
12-Jun-07	0.168	8	2.4
19-Jun-07	0.17	4	9.4
26-Jun-07	0.134	9	1.5
3-Jul-07	0.114	6	4.5
10-Jul-07	0.09	11	8.6
17-Jul-07	0.073	5	8.7
24-Jul-07	0.08	9	11.3

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
1-Aug-07	0.057	5	2.8
7-Aug-07	0.056	4	6.5
4-Sep-07	0.035	< 3.0	6
2-Oct-07	0.046	5	6.3
13-Nov-07	0.03	4	3.2
5-Dec-07	0.07	10	57.9
2-Jan-08		< 3.0	0.88
5-Feb-08		< 3.0	1.8
4-Mar-08	0.015	< 3.0	2.5
1-Apr-08	0.0102	63	72.4
7-Apr-08	0.0315	7	35.1
14-Apr-08	0.32	22	49.8
21-Apr-08	0.0669	8	11.4
28-Apr-08	0.137	9	19.6
6-May-08	0.273	3	13.3
12-May-08	0.213	5	8.4
20-May-08	0.311	18	17.7
26-May-08	0.389	17	39.8
3-Jun-08	0.247	5	11.7
9-Jun-08	0.206	4	31.9
16-Jun-08	0.0877	5	9.5
23-Jun-08	0.163	5	7
7-Jul-08	0.098	8	7.5
14-Jul-08	0.08	< 3.0	3.9
21-Jul-08	0.066	5	3.7
28-Jul-08	0.047	6	8.4
5-Aug-08	0.055	3	4.9
11-Aug-08	0.007	11	17.1
18-Aug-08	0.039	4	3.7
25-Aug-08	0.033	5	7.9
2-Sep-08	0.033	6	7.1

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
7-Oct-08	0.077	9	5.6
4-Nov-08	0.023	3	2.9
2-Dec-08	0.011	< 3.0	1.56
6-Jan-09	0.01	< 3.0	0.67
3-Feb-09	0.007	13.6	7.47
3-Mar-09	0.03	181	233
7-Apr-09	0.087	37.6	34.5
14-Apr-09	0.077	13.5	31.1
20-Apr-09	0.13	19.6	39.8
27-Apr-09	0.143	14	19.8
5-May-09	0.122	19.6	30.7
11-May-09	0.164	12.7	22.3
19-May-09	0.179	13.1	36.8
25-May-09	0.157	9.7	23.4
2-Jun-09	0.143	9.8	14.1
8-Jun-09	0.094	10.3	13.5
15-Jun-09	0.066	13.6	15.2
22-Jun-09	0.234	31.7	44.7
29-Jun-09	0.041	10.2	11.6
7-Jul-09	0.043	7.5	3.86
13-Jul-09	0.029	10.3	0.1
20-Jul-09	0.033	< 3.0	7.91
27-Jul-09	0.048	12.3	18.2
4-Aug-09	0.042	6.9	7.24
1-Sep-09	0.026		2.85
6-Oct-09	0.019	3.2	6.42
3-Nov-09	0.026	7.3	18.7
1-Dec-09	0.02	< 3.0	2.61
5-Jan-10	0.004		0.55
2-Feb-10	0.005	< 3.0	0.7
2-Mar-10	0.023	7.7	7.03

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
8-Mar-10	0.036		
15-Mar-10	0.026		
23-Mar-10	0.029	5	3.85
29-Mar-10	0.048	7.1	21.2
6-Apr-10	0.024	< 3.0	3.5
12-Apr-10	0.024	< 3.0	3.22
19-Apr-10	0.099	12.5	34.5
26-Apr-10	0.09	9.3	13.3
4-May-10	0.016	11.1	20
10-May-10	0.068	< 3.0	6.2
17-May-10	0.117	9	7.31
25-May-10	0.083	< 3.0	4.87
1-Jun-10	0.161	14.7	39.2
7-Jun-10	0.12	3.3	14.9
14-Jun-10	0.099	3	10.5
21-Jun-10	0.201	6.2	14
28-Jun-10	0.165	6.4	8.58
6-Jul-10	0.108	6.2	7.95
12-Jul-10	0.043	21.3	35.6
19-Jul-10	0.014	3.2	6.08
26-Jul-10	0.132	< 3.0	9.79
3-Aug-10	0.052	5.8	6.58
7-Sep-10	0.055	10	8.58
5-Oct-10	0.178	3.1	3.73
27-Oct-10	0.04	5.7	7.02
2-Nov-10	0.182	28.3	55
7-Dec-10	0.107	< 3.0	2.39
3-Jan-11	0.0336	7.7	9.76
4-Jan-11	0.0913	4.7	2.07
1-Feb-11	0.0036	< 3.0	1.28
7-Mar-11	0.045	6.1	4.09

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
5-Apr-11	0.102	4.2	13.2
12-Apr-11	0.0869	9	11
19-Apr-11	0.0759	11.2	11.9
26-Apr-11	0.04	12.3	21
3-May-11	0.107	27.3	36.1
10-May-11	0.135	57.4	67.3
17-May-11	0.458	44.6	42
24-May-11	0.223	26.9	36
27-May-11		80	
31-May-11	0.291	43.9	62.3
7-Jun-11	0.132	29.3	24.9
14-Jun-11	0.426	< 3.0	2.03
20-Jun-11	0.24	10.8	10.3
27-Jun-11	0.163	7.1	7.03
5-Jul-11	0.154	10.3	4.71
12-Jul-11	0.288	10	8.97
19-Jul-11	0.232	6.3	6.37
25-Jul-11	0.169	4.1	4.99
2-Aug-11	0.226	6	6.32
6-Sep-11	0.07	4.7	5.95
4-Oct-11	0.024	5.5	2.26
13-Oct-11			
1-Nov-11	0.0882	16.9	21
6-Dec-11	0.0523	6.8	8.66
3-Jan-12	0.0336	7.7	9.76
7-Feb-12	0.0235	4	8.17
7-Mar-12	0.0851	6	4.83
3-Apr-12	0.106	4.9	13.7
10-Apr-12	0.138	26.9	
17-Apr-12	0.186	29.5	
23-Apr-12		362	

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
24-Apr-12	0.887	128	
25-Apr-12		104	
1-May-12	0.424	65.1	85
8-May-12	0.358	22.2	
15-May-12	0.391	24	
22-May-12	0.281	20.7	
29-May-12	0.226	13.3	
5-Jun-12	0.208	8	
12-Jun-12	0.238	7	
19-Jun-12	0.203	52.8	
26-Jun-12	0.288	24.4	
3-Jul-12	0.239	29.7	39.3
10-Jul-12	0.128	19.3	
17-Jul-12	0.137	6.7	
24-Jul-12		18	
31-Jul-12	0.086	11.6	
7-Aug-12	0.126	14	12.6
4-Sep-12	0.0794	< 3.0	
5-Sep-12	0.0891		
6-Sep-12	0.085	5	
7-Sep-12	0.0836	12.4	
10-Sep-12	0.111	13.3	
11-Sep-12	0.0867		
12-Sep-12	0.0806	3.7	
13-Sep-12	0.0794		
14-Sep-12	0.08	5.3	
17-Sep-12	0.0742	5	
18-Sep-12	0.0812		
19-Sep-12	0.0824	3.2	
20-Sep-12	0.0748	9.7	
24-Sep-12	0.081	4	

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
25-Sep-12	0.078		
26-Sep-12	0.064	< 3.0	
2-Oct-12			
6-Nov-12	0.14	13.9	
4-Dec-12	0.078	33.6	
2-Jan-13	0.0618	< 3.0	
8-Jan-13		< 4.0	
9-Jan-13		9	
10-Jan-13		5	
11-Jan-13		< 4.0	
12-Jan-13		10	
13-Jan-13		< 4.0	
14-Jan-13		6	
15-Jan-13		6	
16-Jan-13		< 4.0	
17-Jan-13		7	
18-Jan-13		8	
19-Jan-13		21	
20-Jan-13		17	
21-Jan-13		< 4.0	
22-Jan-13		< 4.0	
23-Jan-13		6	
24-Jan-13		5	
25-Jan-13		15	
26-Jan-13		42	
28-Jan-13		< 4.0	
29-Jan-13		6	
30-Jan-13		19.2	
31-Jan-13		10	
1-Feb-13		57	
2-Feb-13		15	

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3-Feb-13		14	
4-Feb-13		< 4.0	
5-Feb-13	0.0548	10.7	18
6-Feb-13		16	
7-Feb-13		4	
8-Feb-13		10	
9-Feb-13		14	
10-Feb-13		< 4.0	
11-Feb-13		12	
12-Feb-13		6	
13-Feb-13		6	
14-Feb-13		9.5	
15-Feb-13		11.5	
16-Feb-13		9	
16-Feb-13		5	
16-Feb-13		15	
17-Feb-13		8	
17-Feb-13		11	
17-Feb-13		5.2	
21-Feb-13		7.5	
22-Feb-13		< 4.0	
23-Feb-13		< 4.0	
24-Feb-13		6.5	
25-Feb-13		4.5	
26-Feb-13		11	
27-Feb-13		11	
28-Feb-13		12.5	
1-Mar-13		8.5	
2-Mar-13		10	
3-Mar-13		7	
4-Mar-13		14	

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
5-Mar-13	0.0548	21.875	43.7
6-Mar-13		15.5	
7-Mar-13		10.5	
8-Mar-13		17	
9-Mar-13		9	
10-Mar-13		8.5	
11-Mar-13		23.5	
12-Mar-13		11.5	
13-Mar-13		77	
14-Mar-13		18	
15-Mar-13		26.5	
16-Mar-13		10	
16-Mar-13		11.5	
17-Mar-13		14	
18-Mar-13		15	
19-Mar-13		13.5	
20-Mar-13		26	
21-Mar-13		19	
22-Mar-13		10	
23-Mar-13		< 4.0	
24-Mar-13		6	
28-Mar-13		19.4	
31-Mar-13		42.6	
2-Apr-13	0.103	37	56.1
9-Apr-13	0.151	19.7	38
16-Apr-13	0.0394	70.3	59.2
23-Apr-13	0.0394	37.8	38.7
30-Apr-13	0.129	19.2	25.4
7-May-13	0.177	27.6	35.9
14-May-13	0.177	42.5	61.5
21-May-13	0.118	7.3	8.89

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
28-May-13	0.118	20.5	20.1
4-Jun-13	0.0875	13.6	16.2
11-Jun-13	0.0613	8.3	8.52
12-Jun-13		9	
18-Jun-13	0.1561	9.1	6.16
19-Jun-13		677	< 0.10
20-Jun-13		1670	1200
21-Jun-13		129	153
22-Jun-13		59.2	78.6
24-Jun-13		33.3	40.8
25-Jun-13	0.159	23.9	31.1
2-Jul-13	0.0394	25.9	19.4
9-Jul-13	0.0535	15.3	16.7
16-Jul-13	0.0394	4.6	2.42
23-Jul-13	0.0353	3.5	2.98
30-Jul-13	0.053	< 3.0	2.45
2-Aug-13		84	139
2-Aug-13		30	70.8
6-Aug-13	0.067	19.3	15.6
3-Sep-13	0.0302	11.2	4.69
1-Oct-13	0.019	14.9	20.6
5-Nov-13	0.021	1.2	2.16
3-Dec-13	0.006	1.7	3.1
7-Jan-14	0	< 1.0	0.98
4-Feb-14	0.013	12.7	3.46
4-Mar-14	0.00174	2.5	1.8
26-Mar-14		13.7	
1-Apr-14	0.013	8.4	21.7
8-Apr-14		29	69.7
8-Apr-14	0.152	66.3	68.5
9-Apr-14		417	520

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
9-Apr-14		96	119
10-Apr-14		43.3	70.6
10-Apr-14		21.9	40.8
10-Apr-14		22.9	45.4
11-Apr-14		32.2	41.2
15-Apr-14	0.147	27.2	52.3
22-Apr-14	0.175	61.1	64
29-Apr-14	0.088	29.7	34.2
6-May-14	0.178	41.8	53.3
13-May-14	0.169	22.9	27.5
20-May-14	0.221	27.3	25.2
27-May-14	0.171	28.4	35
3-Jun-14	0.193	8.5	6.25
10-Jun-14	0.101	3.8	3.41
17-Jun-14	0.393	134	140
24-Jun-14	0.074	18.4	20.9
2-Jul-14	0.046	11.8	7.68
8-Jul-14	0.033	18.3	6.37
15-Jul-14	0.103	25.3	17.4
22-Jul-14	0.04	11.5	14.5
29-Jul-14	0.0425	26.7	8.16
5-Aug-14	0.592	3.4	1.54
2-Sep-14	0.009	6.9	2.16
7-Oct-14	0.016	7.3	1.75
4-Nov-14	0.088	77.1	38
3-Dec-14	0.052	1.8	5.53
6-Jan-15	0.032	1.9	1.26
3-Feb-15	0.03016	2	1.46
3-Mar-15	0.029	1.6	1.93
30-Mar-15	0.148	9.4	22.3
8-Apr-15	0.112	3.7	4.3

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
15-Apr-15	0.089	3.9	3.01
22-Apr-15	0.159	12	3.96
29-Apr-15	0.116	14.8	4.14
6-May-15	0.111615	18	16.9
13-May-15	0.04776	10.8	8.49
20-May-15	0.06	4	1.37
27-May-15	0.103246	16.1	3.18
2-Jun-15		51.6	51.5
2-Jun-15		39.2	42.3
2-Jun-15		20.2	21.2
3-Jun-15			
3-Jun-15		7	8.69
3-Jun-15	0.188119	8.9	6.95
10-Jun-15	0.097375	9.7	2.96
17-Jun-15	0.068267	4.2	0.67
24-Jun-15	0.061085	2.4	0.6
30-Jun-15	0.059	< 1.0	2.13
8-Jul-15	0.0459	2.1	0.72
15-Jul-15	0.051	8	1.23
21-Jul-15	0.030495	2	1.61
27-Jul-15	0.012	1.3	0.73
5-Aug-15	0.036	2	1.09
17-Aug-15		3.9	
24-Aug-15		6.3	
2-Sep-15	0.029	2.5	1.09
28-Sep-15	0.0053	2.8	1.04
7-Oct-15	0.04	1.8	1.22
4-Nov-15			
4-Nov-15	0.039	9.5	17.6
2-Dec-15	0.033	2	2.67
6-Jan-16	0.035	1.3	0.84
3-Feb-16	0.019	< 1.0	< 0.10
2-Mar-16	0.050	2.2	4.96
6-Apr-16	0.160	10.3	5.49

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
13-Apr-16	0.261	9.0	16.4
20-Apr-16	0.197	6.6	7.17
27-Apr-16	0.231	2.4	1.36
4-May-16	0.249	12.5	5.11
11-May-16	0.261	13.6	11.6
18-May-16	0.123	2.3	0.71
25-May-16	0.131	11.6	13.3
1-Jun-16	0.217	< 1.0	< 0.10
8-Jun-16	0.165	< 1.0	< 0.10
15-Jun-16	0.165	4.5	1.92
22-Jun-16	0.086	5.5	2.42
22-Jun-16		< 1.0	< 0.10
29-Jun-16	0.102	3.6	3.52
6-Jul-16	0.102	3.3	1.27
13-Jul-16	0.085	4.8	2.51
20-Jul-16	0.077	4.5	1.76
27-Jul-16	0.015	2.1	1.27
3-Aug-16	0.015	2.6	1.43
7-Sep-16	0.026	2.1	1.77
5-Oct-16	0.034	2.3	2.16
17-Oct-16		8.0	9.47
2-Nov-16	0.153	< 1.0	< 0.10
7-Nov-16		1.6	2.80
8-Nov-16	0.126	1.8	0.78
9-Nov-16	0.131	1.5	2.36
10-Nov-16		2.7	1.98
15-Nov-16	0.167	10.4	17.0
17-Nov-16	0.131	1.9	2.41
23-Nov-16	0.111	1.2	2.21
30-Nov-16		5.4	8.88
30-Nov-16	0.111	5.0	8.48
13-Dec-16	0.093	< 1.0	< 0.10
1/17/2017	0.063	1.6	1.68
1/24/2017	0.053		
1/29/2017	0.0471		
1/30/2017	0.044		

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2/1/2017	0.0472	1.9	2.8
2/7/2017	0.05		
2/21/2017	0.053		
3/1/2017	0.056	1.6	2.07
3/7/2017	0.0561		
3/29/2017	0.113		
4/5/2017	0.133	16.2	8.11
4/10/2017		8.2	
4/12/2017	0.141770504	2.7	3.4
4/19/2017	0.210043417	3.9	4.37
4/26/2017	0.46512	8.8	15.0
4/27/2017		20.9	
4/27/2017		18.1	
4/282017		21.3	
5/2/2017	0.217	5.2	3.6
5/5/2017		32.4	
5/5/2017		26.6	
5/6/2017		39.5	
5/6/2017		29.0	
5/6/2017		20.0	
5/6/2017		21.0	
5/7/2017		12.2	
5/9/2017	0.532	10.5	12.3
5/16/2017	0.141	6.5	10.2
5/17/2017		26.6	
5/17/2017		16.6	
5/18/2017		8.6	
5/23/2017	0.57295	8.6	9.35
5/30/2017	0.51857	7	10.5
6/6/2017	0.51857	23.6	16.3
6/14/2017	0.488782	8.2	3.99
6/21/2017	0.2171	12.5	10.1
6/28/2017	0.217058	2.1	1.79
7/4/2017	0.2242	10.3	7.02
7/12/2017	0.1198	4.4	1.68
7/19/2017	0.09569	8.1	2.37

Sample Date	INSTANTANEOUS FLOW (m^3/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
7/25/2017	0.07323	3.8	3.2
8/1/2017	0.04066	40.8	14.0
8/8/2017	0.0455	13.7	5.68
8/15/2017	0.04439	3.4	3.72
8/22/2017	0.04439	5	5.1
8/29/2017	0.05065	1.9	2.49
9/5/2017	0.04948	5.2	2.72
9/12/2017	0.04331	2	1.03
9/19/2017	0.0000460721	4	5.96
10/3/2017	0.034253685	1.6	1.29
10/19/2017		11.1	13.2
10/19/2017		33.0	35.6
10/20/2017		12.0	22.7
10/23/2017		2.7	7.63
11/7/2017	0.02849	1.3	1.36
11/22/2017	0.088903	2.0	4.05
12/6/2017	0.050	1.1	4.69
12/12/2017	0.146		

0200209 - CM_CC1

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
18-Jan-00	13	3.3
10-Feb-00	3	3.3
17-Mar-00	3	3.7
4-Apr-00	14	27.4
13-Apr-00	20	14.4
21-Apr-00	19	18.9
27-Apr-00	10	8.9
6-May-00	4	5.2
15-May-00	3	3
21-May-00	3	1.5

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
1-Jun-00	4	4.1
9-Jun-00	4	3.3
16-Jun-00	14	10
22-Jun-00	4	4.1
27-Jun-00	3	1.1
7-Jul-00	3	3
14-Jul-00	3	1.1
18-Jul-00	3	0.7
28-Jul-00	2	0.4
17-Aug-00	1	0.4
12-Sep-00	2	1.9
23-Oct-00	2	1.1
21-Nov-00	2	4.1
11-Dec-00	1	0.4
11-Jan-01	1	1.1
12-Feb-01	1	0.1
12-Mar-01	7	10.4
12-Apr-01	2	1.9
17-Apr-01	16	22.6
24-Apr-01	8	14.4
3-May-01	4	6.3
9-May-01	5	6.7
15-May-01	6	3.3
22-May-01	2	0.1
30-May-01	3	1.9
5-Jun-01	7	9.3
11-Jun-01	3	0.4
19-Jun-01	3	0.4
27-Jun-01	5	2.2
5-Jul-01	3	0.4
11-Jul-01	3	0.1

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
17-Jul-01	6	4.1
26-Jul-01	7	3.3
13-Aug-01	2	1.1
13-Sep-01	3	2.6
11-Oct-01	5	5.6
14-Nov-01	19	14.4
19-Dec-01	1	3.3
14-Jan-02	2	2.6
11-Feb-02	1	0.4
11-Mar-02	1	1.5
11-Apr-02	37	43
18-Apr-02	23	24.1
25-Apr-02	6	5.6
2-May-02	4	8.9
8-May-02	5	4.4
17-May-02	5	5.2
23-May-02	19	24.4
30-May-02	60	44.1
5-Jun-02	30	16.3
11-Jun-02	8	13
19-Jun-02	9	9.6
26-Jun-02	5	5.6
3-Jul-02	6	4.8
11-Jul-02	4	4.1
18-Jul-02	3	1.9
24-Jul-02	2	0.7
9-Aug-02	3	0.4
5-Sep-02	12	< 0.1
9-Oct-02	2	1.5
14-Nov-02	< 1.0	1.1
2-Dec-02	1	0.7

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
14-Jan-03	1	1.5
11-Feb-03	< 1.0	0.4
18-Mar-03	335	425.9
3-Apr-03	8	12.6
10-Apr-03	4	59.3
18-Apr-03	12	12.6
25-Apr-03	9	9.3
2-May-03	8	13
8-May-03	3	4.1
15-May-03	6	3.7
22-May-03	2	2.6
29-May-03	7	4.1
6-Jun-03	3	5.2
12-Jun-03	1	0.7
19-Jun-03	2	2.2
27-Jun-03	2	3.3
3-Jul-03	2	2.2
10-Jul-03	3	1.9
21-Jul-03	2	1.5
25-Jul-03	2	1.5
31-Jul-03	2	1.9
21-Aug-03	1	1.5
23-Sep-03	2	1.5
24-Oct-03	4	4.8
4-Nov-03	3	4.1
2-Dec-03	< 1.0	1.9
6-Jan-04	40	3.7
3-Feb-04	1	1.5
3-Mar-04	< 1.0	1.9
6-Apr-04	4	2.6
14-Apr-04	12	10

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
20-Apr-04	3	1.5
27-Apr-04	5	4.4
4-May-04	11	5.2
11-May-04	6	5.2
18-May-04	3	2.6
25-May-04	2	1.5
1-Jun-04	3	2.6
9-Jun-04	3	3.3
15-Jun-04	2	3.3
22-Jun-04	3	1.9
29-Jun-04	2	1.9
6-Jul-04	2	0.7
14-Jul-04	3	0.7
20-Jul-04	4	2.2
27-Jul-04	5	2.6
3-Aug-04	3	1.9
7-Sep-04	6	3
7-Oct-04	3	0.7
5-Nov-04	9	4.8
8-Dec-04	11	1.9
5-Jan-05	5	3.3
2-Feb-05	1	14.8
2-Mar-05	1	< 0.1
6-Apr-05	3	2.6
12-Apr-05	2	2.6
20-Apr-05	4	1.5
28-Apr-05	5	1.9
4-May-05	2	0.4
10-May-05	5	3
19-May-05	3	1.5
24-May-05	2	0.7

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
31-May-05	4	2.2
7-Jun-05	12	3.7
13-Jun-05	9	7.4
21-Jun-05	8	4.1
28-Jun-05	7.7	5.73
5-Jul-05	< 4.0	1.42
12-Jul-05	< 4.0	1.23
20-Jul-05	< 4.0	1.38
28-Jul-05	< 4.0	1.51
4-Aug-05	< 4.0	0.76
13-Sep-05	6	10.3
4-Oct-05	< 4.0	3.16
1-Nov-05		
3-Nov-05	< 4.0	2.39
13-Dec-05	4.7	3.7
11-Jan-06	< 4.0	2.23
7-Feb-06	3	0.67
15-Mar-06	< 3.0	1
18-Mar-06	5	4.5
4-Apr-06	< 3.0	3.8
13-Apr-06	5	7.5
18-Apr-06	5	4.5
25-Apr-06	7	2.8
3-May-06	< 3.0	4.4
11-May-06	5	1.9
16-May-06	4	7.3
26-May-06	4	4.6
1-Jun-06	< 3.0	1.9
13-Jun-06	< 3.0	2.1
21-Jun-06	< 3.0	1.6
28-Jun-06	5	4.5

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
4-Jul-06	4	1.7
12-Jul-06	< 3.0	1.9
18-Jul-06	< 3.0	2.3
25-Jul-06	< 3.0	1.4
1-Aug-06	4	1.8
6-Sep-06	< 3.0	1.5
3-Oct-06	< 3.0	0.88
7-Nov-06	152	212
5-Dec-06	< 3.0	1.5
2-Jan-07	< 3.0	0.73
6-Feb-07	< 3.0	1
6-Mar-07	4	3.1
3-Apr-07	< 3.0	2
9-Apr-07	< 3.0	3.5
19-Apr-07	< 3.0	3.8
24-Apr-07	4	3.3
2-May-07	6	3.9
9-May-07	5	4.8
15-May-07	5	1.9
22-May-07	< 3.0	2.4
29-May-07	7	6.1
5-Jun-07	< 3.0	1.1
12-Jun-07	< 3.0	1.1
19-Jun-07	< 3.0	2.7
26-Jun-07	3	< 0.2
3-Jul-07	3	1.9
10-Jul-07	6	2.5
17-Jul-07	< 3.0	1.9
24-Jul-07	7	2.6
1-Aug-07	< 3.0	1
7-Aug-07	< 3.0	0.41

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
4-Sep-07	< 3.0	1.2
2-Oct-07	3	1.7
13-Nov-07	5	0.28
5-Dec-07	8	20.8
2-Jan-08	< 3.0	0.27
5-Feb-08	< 3.0	0.22
4-Mar-08	< 3.0	0.21
1-Apr-08	3	0.93
7-Apr-08	< 3.0	3.9
14-Apr-08	21	32.4
21-Apr-08	4	2
28-Apr-08	3	4.8
6-May-08	< 3.0	2.5
12-May-08	3	1.8
20-May-08	3	3.8
26-May-08	6	9
3-Jun-08	< 3.0	2.1
9-Jun-08	< 3.0	4
16-Jun-08	< 3.0	1.7
23-Jun-08	< 3.0	1.5
7-Jul-08	4	1.1
14-Jul-08	3	1.1
21-Jul-08	< 3.0	0.26
28-Jul-08	< 3.0	1.3
5-Aug-08	< 3.0	1.2
11-Aug-08	3	3
18-Aug-08	5	0.9
25-Aug-08	< 3.0	1.6
2-Sep-08	3	1.5
7-Oct-08	18	7.6
4-Nov-08	7	0.86

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2-Dec-08	< 3.0	1.23
6-Jan-09	< 3.0	0.39
3-Feb-09	< 3.0	0.45
3-Mar-09	7.3	9.53
7-Apr-09	11	11.6
14-Apr-09	21.5	14.8
20-Apr-09	9.6	14
27-Apr-09	4	6.18
5-May-09	6.9	8.92
11-May-09	8.7	4.83
19-May-09	23.1	16.5
25-May-09	11.7	6.2
2-Jun-09	< 3.0	2.6
8-Jun-09	3.7	1.63
15-Jun-09	< 3.0	2.56
22-Jun-09	19.8	20.1
29-Jun-09	< 3.0	1.3
7-Jul-09	5.5	0.96
13-Jul-09	< 3.0	1.71
20-Jul-09	< 3.0	2.13
27-Jul-09	5.7	3.37
4-Aug-09	< 3.0	1.43
1-Sep-09	< 3.0	0.91
6-Oct-09	< 3.0	1.1
3-Nov-09	< 3.0	3.07
1-Dec-09	< 3.0	1.53
5-Jan-10		0.26
2-Feb-10	< 3.0	0.25
2-Mar-10	< 3.0	1.27
8-Mar-10		
15-Mar-10		

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
23-Mar-10	< 3.0	0.88
29-Mar-10	3.8	4.59
6-Apr-10	< 3.0	0.99
12-Apr-10	< 3.0	0.74
19-Apr-10	7.7	14.6
26-Apr-10	8	2.7
4-May-10	< 3.0	4.35
10-May-10	4	1.56
17-May-10	5.7	2.36
25-May-10	< 3.0	1.32
1-Jun-10	8.5	14
7-Jun-10	< 3.0	2.61
14-Jun-10	< 3.0	1.96
21-Jun-10	< 3.0	3.64
28-Jun-10	< 3.0	2.02
6-Jul-10	< 3.0	1.94
12-Jul-10	8	6.93
19-Jul-10	< 3.0	1.75
26-Jul-10	< 3.0	3.91
3-Aug-10	5.1	1.47
7-Sep-10	< 3.0	2.07
5-Oct-10	3.1	1.72
27-Oct-10	11	3.68
2-Nov-10	15.7	17.9
7-Dec-10	< 3.0	1.41
3-Jan-11	3.7	3.23
4-Jan-11	< 3.0	1.16
1-Feb-11	< 3.0	0.59
7-Mar-11	< 3.0	1.52
5-Apr-11	< 3.0	2.9
12-Apr-11	5.7	3.31

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
19-Apr-11	7.8	4.49
26-Apr-11	5.7	7.54
3-May-11	14.7	14
10-May-11	40.4	39.8
17-May-11	10.6	12.8
24-May-11	20.9	13.8
27-May-11	24	
31-May-11	10.5	18.2
7-Jun-11	15.3	5.51
14-Jun-11	3.8	4.14
20-Jun-11	3.5	2.37
27-Jun-11	3.1	1.17
5-Jul-11	< 3.0	1.43
12-Jul-11	4	2.09
19-Jul-11	< 3.0	1.77
25-Jul-11	< 3.0	2.25
2-Aug-11	7.3	2.14
6-Sep-11	4	1.73
4-Oct-11	< 3.0	1.07
1-Nov-11	4.9	5.34
6-Dec-11	< 3.0	2.24
3-Jan-12	3.7	3.23
7-Feb-12	< 3.0	2.38
7-Mar-12	< 3.0	1.31
3-Apr-12	< 3.0	3.77
10-Apr-12	12.2	
17-Apr-12	16.9	
23-Apr-12	248	
24-Apr-12	74.7	
1-May-12	22.4	31.2
2-May-12	260	

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2-May-12	650	
8-May-12	10.2	
15-May-12	10	
22-May-12	5.3	
29-May-12	4	
5-Jun-12	< 3.0	
12-Jun-12	4.3	
19-Jun-12	10.2	
26-Jun-12	28.9	
3-Jul-12	8.3	7.91
10-Jul-12	< 3.0	
17-Jul-12	4	
24-Jul-12	8	
31-Jul-12	< 3.0	
7-Aug-12	5.3	1.75
4-Sep-12	< 3.0	
5-Sep-12		
6-Sep-12	< 3.0	
7-Sep-12	15.8	
10-Sep-12	3.5	
11-Sep-12		
12-Sep-12	< 3.0	
13-Sep-12		
14-Sep-12	< 3.0	
17-Sep-12	< 3.0	
18-Sep-12		
19-Sep-12	< 3.0	
20-Sep-12	3.7	
24-Sep-12	< 3.0	
25-Sep-12		
26-Sep-12	< 3.0	

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2-Oct-12		
6-Nov-12	5.6	
7-Nov-12	1800	
7-Nov-12	25	
7-Nov-12	22	
4-Dec-12	< 3.0	
2-Jan-13	< 3.0	
8-Jan-13	< 4.0	
9-Jan-13	< 4.0	
10-Jan-13	< 4.0	
11-Jan-13	< 4.0	
12-Jan-13	< 4.0	
13-Jan-13	< 4.0	
14-Jan-13	6	
15-Jan-13	< 4.0	
16-Jan-13	< 4.0	
17-Jan-13	4	
18-Jan-13	< 4.0	
19-Jan-13	< 4.0	
20-Jan-13	< 4.0	
21-Jan-13	< 4.0	
22-Jan-13	< 4.0	
23-Jan-13	< 4.0	
24-Jan-13	< 4.0	
25-Jan-13	< 4.0	
26-Jan-13	< 4.0	
27-Jan-13	< 4.0	
28-Jan-13	< 4.0	
29-Jan-13	< 4.0	
30-Jan-13	< 4.0	
31-Jan-13	< 4.0	

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
1-Feb-13	18	
2-Feb-13	< 4.0	
3-Feb-13	< 4.0	
4-Feb-13	< 4.0	
5-Feb-13	< 3.0	1.34
6-Feb-13	4	
7-Feb-13	< 4.0	
8-Feb-13	< 4.0	
9-Feb-13	< 4.0	
10-Feb-13	17	
11-Feb-13	7.5	
12-Feb-13	< 4.0	
13-Feb-13	< 4.0	
14-Feb-13	< 4.0	
15-Feb-13	< 4.0	
16-Feb-13	< 4.0	
16-Feb-13	4	
16-Feb-13	< 4.0	
17-Feb-13	7	
17-Feb-13	< 4.0	
17-Feb-13	< 4.0	
21-Feb-13	< 4.0	
22-Feb-13	< 4.0	
23-Feb-13	< 4.0	
24-Feb-13	< 4.0	
25-Feb-13	< 4.0	
26-Feb-13	< 4.0	
27-Feb-13	< 4.0	
28-Feb-13	< 4.0	
1-Mar-13	< 4.0	
2-Mar-13	< 4.0	

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3-Mar-13	< 4.0	
4-Mar-13	< 4.0	
5-Mar-13	7	6.77
6-Mar-13	4	
7-Mar-13	< 4.0	
8-Mar-13	4.5	
9-Mar-13	< 4.0	
10-Mar-13	< 4.0	
11-Mar-13	< 4.0	
12-Mar-13	< 4.0	
13-Mar-13	30	
14-Mar-13	5	
15-Mar-13	13	
16-Mar-13	< 4.0	
16-Mar-13	< 4.0	
17-Mar-13	4.5	
18-Mar-13	< 4.0	
19-Mar-13	< 4.0	
20-Mar-13	6	
21-Mar-13	6	
22-Mar-13	< 4.0	
23-Mar-13	< 4.0	
24-Mar-13	< 4.0	
2-Apr-13	20.8	21.9
9-Apr-13	13.7	12.4
16-Apr-13	8.1	4.95
23-Apr-13	13.6	9.39
30-Apr-13	8.4	5.85
7-May-13	17.1	7.99
14-May-13	25.2	20.1
21-May-13	< 3.0	3.03

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
28-May-13	8.5	3.22
31-May-13		
4-Jun-13	3.6	1.39
11-Jun-13	< 3.0	1.19
18-Jun-13	< 3.0	0.87
19-Jun-13	2850	3910
20-Jun-13	1100	848
21-Jun-13	52.5	37.8
22-Jun-13	24.5	19.2
24-Jun-13	14.3	7.21
25-Jun-13	11.9	6.17
2-Jul-13	5.3	1.03
9-Jul-13	< 3.0	1.48
16-Jul-13	< 3.0	0.67
23-Jul-13	< 3.0	0.55
30-Jul-13	< 3.0	0.65
2-Aug-13	35	36.9
2-Aug-13	21	24.5
6-Aug-13	6.4	1.62
3-Sep-13		0.49
3-Sep-13	< 3.0	
1-Oct-13	4.9	4.16
5-Nov-13	< 1.0	0.55
3-Dec-13	< 1.0	0.6
7-Jan-14	< 1.0	0.28
4-Feb-14	< 1.0	0.39
4-Mar-14	2.4	0.47
26-Mar-14	169	
27-Mar-14	6.3	
27-Mar-14	< 4.0	
28-Mar-14	545	

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
1-Apr-14	6.6	6.62
1-Apr-14	48.5	
2-Apr-14	19.3	
3-Apr-14	5.1	
4-Apr-14	< 4.0	
7-Apr-14	< 4.0	6.11
8-Apr-14	14.6	23.5
8-Apr-14	23.4	20.6
8-Apr-14	74.6	40.1
9-Apr-14	149	178
9-Apr-14	85.3	68.3
10-Apr-14	28	34.6
10-Apr-14	17.3	17.2
11-Apr-14	15	16.6
15-Apr-14	14.5	17.6
22-Apr-14	32.5	20.4
29-Apr-14	7.9	7.43
6-May-14	13.1	10.8
13-May-14	8.1	5.9
20-May-14	14.1	5.66
27-May-14	9.2	8.37
3-Jun-14	1.7	1.15
10-Jun-14	1.5	0.92
17-Jun-14	32.6	20.7
24-Jun-14	3.7	2.88
2-Jul-14	< 1.0	1.13
8-Jul-14	2.4	0.88
15-Jul-14	4.1	1.42
22-Jul-14	1.5	1.1
29-Jul-14	2.2	1.05
5-Aug-14	< 1.0	0.45

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2-Sep-14	1.5	0.61
7-Oct-14	< 1.0	0.43
4-Nov-14	10.2	5.33
3-Dec-14	1.1	1.47
6-Jan-15	< 1.0	0.48
3-Feb-15	< 1.0	0.46
3-Mar-15	< 1.0	0.64
16-Mar-15	14.6	15.7
23-Mar-15	1.8	2.01
30-Mar-15	3.6	4.32
8-Apr-15	1	1.14
15-Apr-15	< 1.0	0.72
22-Apr-15	4.4	1.41
29-Apr-15	4.1	2.03
6-May-15	2.8	1.96
13-May-15	2.2	1.6
20-May-15	1.2	0.8
27-May-15	4.7	1.95
3-Jun-15	29.5	7.67
10-Jun-15	2.1	1.06
17-Jun-15	1.8	0.45
24-Jun-15	< 1.0	0.42
30-Jun-15	1	0.35
8-Jul-15	< 1.0	0.33
15-Jul-15	1.1	0.36
21-Jul-15	1	0.57
27-Jul-15	1.9	0.3
5-Aug-15	1.1	0.38
2-Sep-15	< 1.0	0.33
7-Oct-15	3.4	0.37
4-Nov-15	3.5	4.68

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2-Dec-15	< 1.0	0.74
6-Jan-16	< 1.0	0.31
3-Feb-16	< 1.0	0.25
2-Mar-16	< 1.0	0.97
15-Mar-16	1.5	1.95
22-Mar-16	1.1	1.68
29-Mar-16	1.6	1.02
6-Apr-16	4.8	2.73
13-Apr-16	2.9	3.66
13-Apr-16	5.0	4.95
16-Apr-16	2.6	3.20
17-Apr-16	2.9	4.33
18-Apr-16	3.5	6.01
19-Apr-16	3.2	2.42
20-Apr-16	7.0	4.79
21-Apr-16	7.6	3.98
27-Apr-16	2.5	1.16
4-May-16	1.9	1.49
11-May-16	2.3	2.25
18-May-16	2.4	0.91
25-May-16	5.0	2.39
1-Jun-16	3.8	1.56
8-Jun-16	3.1	0.59
15-Jun-16	2.7	1.01
22-Jun-16	2.6	0.53
29-Jun-16	1.6	1.13
6-Jul-16	< 1.0	0.65
6-Jul-16	1.9	0.74
13-Jul-16	2.1	1.16

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
20-Jul-16	1.3	0.54
27-Jul-16	< 1.0	0.39
3-Aug-16	< 1.0	0.40
7-Sep-16	1.3	0.58
5-Oct-16	1.6	0.46
17-Oct-16	4.2	3.16
2-Nov-16	3.4	3.41
7-Nov-16	1.2	1.48
8-Nov-16	1.5	1.22
9-Nov-16	1.3	1.24
10-Nov-16	2.7	1.07
15-Nov-16	4.6	5.86
17-Nov-16	1.1	0.91
23-Nov-16	1.0	1.02
30-Nov-16	1.8	2.58
13-Dec-16	1.1	1.10
1/17/2017	1.2	1.03
2/1/2017	< 1.0	1.01
3/1/2017	1.0	1.05
3/15/2017	3.2	2.29
3/22/2017	3.4	1.66
3/29/2017	8.0	4.06
4/5/2017	1.6	2.4
4/12/2017	2.5	1.43
4/19/2017	4.3	2.8
4/26/2017	6.4	7.08
5/2/2017	3.6	1.15
5/9/2017	6.8	7.14
5/16/2017	4.3	5.05

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
5/17/2017	13.2	
5/17/2017	10.4	
5/18/2017	4.4	
5/23/2017	7.8	4.97
5/30/2017	6.2	8.38
6/6/2017	3.4	4.23
6/14/2017	2.0	2.56
6/21/2017	4.5	3.75
6/28/2017	2.7	0.7
7/5/2017	2.0	1.46
7/12/2017	3.5	1.04
7/19/2017	1.7	0.37
7/25/2017	1.0	0.43
8/1/2017	25.7	3.49
8/8/2017	1.7	0.74
8/15/2017	1.8	0.99
8/22/2017	1.0	1.18
8/29/2017	2.3	0.75
9/5/2017	2.8	0.68
9/12/2017	< 1.0	0.57
9/19/2017	1.2	0.43
10/4/2017	1.2	0.44
11/7/2017	3.3	0.65
12/6/2017	1.1	1.24

E258937 - CM_MC2

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
18-Jan-00	8	0.7
10-Feb-00	1	0.1
17-Mar-00	1	0.1
4-Apr-00	1	1.5
13-Apr-00	9	4.4
21-Apr-00	14	7
27-Apr-00	4	2.2
6-May-00	7	4.4
15-May-00	2	1.1
21-May-00	31	15.2
1-Jun-00	8	3
12-Jun-00	5	2.6
16-Jun-00	9	4.4
22-Jun-00	5	2.6
27-Jun-00	3	0.1
7-Jul-00	6	1.1
14-Jul-00	2	0.1
18-Jul-00	2	0.1
28-Jul-00	2	0.4
17-Aug-00	1	0.1
12-Sep-00	1	1.5
23-Oct-00	1	0.1
21-Nov-00	0.1	2.2
11-Dec-00	1	0.1
11-Jan-01	1	0.1
12-Feb-01	1	0.01
12-Mar-01	4	0.1
12-Apr-01	1	0.1
17-Apr-01	1	0.1
24-Apr-01	1	3

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3-May-01	3	2.2
9-May-01	7	4.8
15-May-01	15	7.4
22-May-01	11	4.1
30-May-01	10	4.8
5-Jun-01	10	5.2
11-Jun-01	4	0.4
19-Jun-01	3	0.1
27-Jun-01	3	0.1
5-Jul-01	1	0.7
11-Jul-01	1	0.1
17-Jul-01	2	3
26-Jul-01	1	0.1
13-Aug-01	4	0.4
13-Sep-01	1	0.4
11-Oct-01	1	0.4
14-Nov-01	1	0.4
19-Dec-01	1	0.7
14-Jan-02	1	1.1
11-Feb-02	1	0.1
11-Mar-02	1	0.4
11-Apr-02	2	1.1
18-Apr-02	16	17
25-Apr-02	3	8.9
2-May-02	3	5.6
8-May-02	2	1.9
17-May-02	5	3
23-May-02	23	15.9
30-May-02	123	68.5
5-Jun-02	57	29.6
11-Jun-02	18	14.1

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
19-Jun-02	41	22.2
26-Jun-02	46	24.4
3-Jul-02	10	3.7
11-Jul-02	3	2.2
18-Jul-02	2	1.1
24-Jul-02	2	0.4
9-Aug-02	1	< 0.1
5-Sep-02	39	5.9
9-Oct-02	1	0.4
14-Nov-02	< 1.0	0.7
2-Dec-02	< 1.0	< 0.1
14-Jan-03	< 1.0	1.1
11-Feb-03	< 1.0	1.1
18-Mar-03	5	5.9
3-Apr-03	3	1.9
10-Apr-03	6	6.3
18-Apr-03	2	3
25-Apr-03	26	10.4
2-May-03	4	4.8
8-May-03	2	2.2
15-May-03	10	5.2
22-May-03	7	1.9
29-May-03	54	27.4
6-Jun-03	10	8.1
12-Jun-03	4	0.4
19-Jun-03	5	1.9
27-Jun-03	2	1.9
3-Jul-03	2	2.2
10-Jul-03	1	0.7
21-Jul-03	< 1.0	0.7
25-Jul-03	< 1.0	1.1

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
31-Jul-03	< 1.0	1.1
21-Aug-03	< 1.0	1.5
23-Sep-03	< 1.0	0.7
24-Oct-03	1	0.4
4-Nov-03	1	1.5
2-Dec-03	1	1.1
6-Jan-04	< 1.0	0.4
3-Feb-04	< 1.0	2.2
3-Mar-04	1	1.5
6-Apr-04	4	2.6
14-Apr-04	14	7
20-Apr-04	2	5.6
27-Apr-04	12	7.4
4-May-04	11	5.2
11-May-04	6	5.6
18-May-04	4	3
25-May-04	1	2.2
1-Jun-04	5	3.3
9-Jun-04	6	4.1
15-Jun-04	5	1.5
22-Jun-04	2	1.5
29-Jun-04	1	0.4
6-Jul-04	3	0.4
13-Jul-04	3	1.1
20-Jul-04	2	1.9
27-Jul-04	2	2.2
3-Aug-04	4	0.4
8-Dec-04	< 1.0	0.7
5-Jan-05	2	1.9
2-Mar-05	< 1.0	< 0.1
6-Apr-05	2	2.2

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
12-Apr-05	< 1.0	3.7
20-Apr-05	2	0.4
28-Apr-05	7	0.4
4-May-05	7	0.7
10-May-05	11	1.9
19-May-05	14	3
24-May-05	8	0.7
31-May-05	4	1.1
9-Jun-05	14	5.9
13-Jun-05	22	13.3
21-Jun-05	8	5.2
28-Jun-05	5.7	5.15
5-Jul-05	< 4.0	2.33
12-Jul-05	< 4.0	1.29
20-Jul-05	5.3	1.81
28-Jul-05	< 4.0	1.54
4-Aug-05	4	0.8
13-Sep-05	4.7	4.09
4-Oct-05	4	2.53
3-Nov-05	< 4.0	1.69
13-Dec-05	10	4.96
11-Jan-06	< 4.0	0.74
7-Feb-06	< 3.0	0.54
15-Mar-06	< 3.0	1.1
18-Mar-06	6	2.5
13-Apr-06	3	5.4
18-Apr-06	6	2.5
25-Apr-06	7	1.9
3-May-06	4	3.5
11-May-06	< 3.0	2.3
16-May-06	35	32.4

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
26-May-06	35	39.1
1-Jun-06	7	30.1
13-Jun-06	< 3.0	2.5
21-Jun-06	8	5.4
28-Jun-06	< 3.0	2.4
4-Jul-06	< 3.0	1.6
12-Jul-06	3	1.3
18-Jul-06	4	1.5
25-Jul-06	3	1.5
1-Aug-06	< 3.0	1.1
6-Sep-06	< 3.0	0.81
3-Oct-06	< 3.0	0.71
7-Nov-06	168	124
5-Dec-06	< 3.0	0.82
2-Jan-07	< 3.0	0.6
6-Feb-07	< 3.0	0.55
6-Mar-07	< 3.0	0.8
3-Apr-07	< 3.0	0.69
9-Apr-07	< 3.0	1.7
19-Apr-07	< 3.0	1.8
24-Apr-07	< 3.0	2
2-May-07	22	11.8
9-May-07	74	45.7
15-May-07	12	8.4
22-May-07	17	15
29-May-07	11	13.3
5-Jun-07	84	27.5
12-Jun-07	9	2.5
19-Jun-07	< 3.0	2.7
26-Jun-07	5	4.3
3-Jul-07	< 3.0	1

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
10-Jul-07	< 3.0	1.9
17-Jul-07	3	1.5
24-Jul-07	< 3.0	1.6
1-Aug-07	< 3.0	0.55
7-Aug-07	< 3.0	0.35
4-Sep-07	< 3.0	0.32
2-Oct-07	< 3.0	1.1
13-Nov-07	6	0.42
5-Dec-07	5	5.7
2-Jan-08	4	1.8
5-Feb-08	< 3.0	0.2
4-Mar-08	< 3.0	0.22
1-Apr-08	< 3.0	1.1
7-Apr-08	< 3.0	1.3
14-Apr-08	53	18.8
21-Apr-08	< 3.0	1.7
28-Apr-08	< 3.0	2.1
6-May-08	3	4.5
12-May-08	< 3.0	1.8
20-May-08	21	25.1
26-May-08	28	21
3-Jun-08	9	15.5
9-Jun-08	< 3.0	4.8
16-Jun-08	< 3.0	3.4
23-Jun-08	3	4.6
7-Jul-08	< 3.0	1.3
14-Jul-08	< 3.0	1.1
21-Jul-08	< 3.0	1
28-Jul-08	< 3.0	0.21
5-Aug-08	< 3.0	0.81
11-Aug-08	< 3.0	1.4

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
18-Aug-08	< 3.0	0.68
25-Aug-08	< 3.0	0.65
2-Sep-08	3	0.66
7-Oct-08	8	5.2
4-Nov-08	< 3.0	0.48
2-Dec-08	< 3.0	0.42
7-Apr-09	3	2.99
14-Apr-09	4.8	2.59
20-Apr-09	5.6	3.56
27-Apr-09	3.3	1.88
5-May-09	< 3.0	2.69
11-May-09	3.3	2.01
19-May-09	41.1	34
25-May-09	41.7	33
2-Jun-09	11.8	11.1
8-Jun-09	7.7	3.25
15-Jun-09	8.2	4.61
22-Jun-09	16.4	11.3
29-Jun-09	< 3.0	2.11
7-Jul-09	< 3.0	1.46
13-Jul-09	3.7	1.91
20-Jul-09	3.3	1.41
27-Jul-09	9	7.38
4-Aug-09	4.2	2.29
1-Sep-09	< 3.0	1.27
6-Oct-09	< 3.0	0.71
3-Nov-09	< 3.0	1.04
1-Dec-09	< 3.0	0.63
5-Jan-10		0.38
2-Feb-10	< 3.0	0.29
2-Mar-10	4.3	0.79

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
23-Mar-10	< 3.0	0.52
29-Mar-10	3.1	1.16
6-Apr-10	< 3.0	0.44
12-Apr-10	3.2	0.52
19-Apr-10	10.4	6.24
26-Apr-10	9.3	2.9
4-May-10	< 3.0	1.92
10-May-10	< 3.0	1.08
17-May-10	32.3	19.2
25-May-10	6	3.56
1-Jun-10	12	10.7
7-Jun-10	26	21.9
14-Jun-10	8.3	8.17
21-Jun-10	8.9	5.72
28-Jun-10	12.4	3.84
6-Jul-10	7.7	1.54
12-Jul-10	16.7	18.6
19-Jul-10	< 3.0	1.26
26-Jul-10	< 3.0	2.3
3-Aug-10	3.3	1.06
7-Sep-10	< 3.0	1.11
5-Oct-10	< 3.0	1.14
27-Oct-10	< 3.0	1.22
2-Nov-10	13.8	10.1
7-Dec-10	3.2	0.77
3-Jan-11	3.7	1.41
4-Jan-11	< 3.0	1.06
7-Mar-11	4.6	1.37
5-Apr-11	< 3.0	1.73
12-Apr-11	9.8	4.01
19-Apr-11	13.8	4.65

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
26-Apr-11	4.3	2.68
3-May-11	7	4.81
10-May-11	23.9	16.4
17-May-11	12.9	8.52
24-May-11	41.9	24.6
31-May-11	16.5	12.5
7-Jun-11	64.7	36.9
14-Jun-11	35.2	22.7
20-Jun-11	29.5	19.1
27-Jun-11	22.4	10.7
5-Jul-11	21	8.29
12-Jul-11	12	5.94
19-Jul-11	9	2.42
25-Jul-11	4.8	2.05
2-Aug-11	4	1.51
6-Sep-11	< 3.0	0.87
4-Oct-11	< 3.0	1.48
1-Nov-11	3.6	2.67
6-Dec-11	< 3.0	0.87
3-Jan-12	3.7	1.41
7-Feb-12	< 3.0	0.83
7-Mar-12	5.3	0.93
3-Apr-12	< 3.0	1.63
10-Apr-12	< 3.0	
17-Apr-12	7.5	
23-Apr-12	224	
24-Apr-12	155	

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
1-May-12	13.1	12.6
8-May-12	6.8	
15-May-12	38	
22-May-12	36	
29-May-12	4.7	
5-Jun-12	174	
12-Jun-12	22.3	
19-Jun-12	45.5	
26-Jun-12	45.6	
3-Jul-12	19.7	10.8
10-Jul-12	8	
17-Jul-12	4	
24-Jul-12	5.3	
31-Jul-12	3.7	
7-Aug-12	< 3.0	0.72
4-Sep-12	< 3.0	0.39
2-Oct-12	< 3.0	
6-Nov-12	9.7	
7-Nov-12	705	
7-Nov-12	29	
7-Nov-12	15	
4-Dec-12	< 3.0	
2-Jan-13	3.2	

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
5-Feb-13	4	0.95
5-Mar-13	5	3.32
2-Apr-13	7.1	6.01
9-Apr-13	6.3	5.14
16-Apr-13	3.8	2.22
23-Apr-13	3.6	2.07
30-Apr-13	5	3.45
7-May-13	27.6	14.8
14-May-13	143	67.5
21-May-13	18	13.2
28-May-13	17.2	8.02
4-Jun-13	6.9	3.89
11-Jun-13	13.2	5.68
18-Jun-13	5.1	2.11
20-Jun-13	533	290
24-Jun-13	60.3	35.4
25-Jun-13	37.5	25.6
2-Jul-13	14.7	4.07
9-Jul-13	3.3	2.25
16-Jul-13	< 3.0	0.77
23-Jul-13	< 3.0	0.63
30-Jul-13	< 3.0	0.81
6-Aug-13	3.7	1.62
3-Sep-13	< 3.0	0.65
1-Oct-13	6.3	5.22
5-Nov-13	< 1.0	0.49
3-Dec-13	< 1.0	0.63
7-Jan-14	< 1.0	0.24

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
4-Feb-14	< 1.0	0.32
4-Mar-14	1	0.45
1-Apr-14	6.6	5.19
8-Apr-14	9.6	6.52
15-Apr-14	9.1	11.1
22-Apr-14	14.6	7.12
29-Apr-14	3.9	3.24
6-May-14	15.8	8.72
13-May-14	9	4.78
20-May-14	53.9	24.5
27-May-14	144	68.5
3-Jun-14	28.4	16.9
10-Jun-14	21.6	10.6
17-Jun-14	320	136
24-Jun-14	20.4	12.1
2-Jul-14	5.8	2.48
8-Jul-14	5.3	1.75
15-Jul-14		
15-Jul-14	3.7	1.65
22-Jul-14	1.7	1.9
29-Jul-14	2.4	0.68
5-Aug-14	< 1.0	0.53
2-Sep-14	1.8	0.78
7-Oct-14	< 1.0	0.5
4-Nov-14	9.1	9.79
3-Dec-14	1.7	1.19
6-Jan-15	1.7	0.47
3-Feb-15	< 1.0	0.26
3-Mar-15	1.7	0.53
10-Mar-15	2.1	1.09
16-Mar-15	29.7	18.9

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
23-Mar-15	4.5	2.09
30-Mar-15	10.2	6.69
8-Apr-15	4.3	1.81
15-Apr-15	2.2	1.03
22-Apr-15	10.6	3.78
29-Apr-15	17	8.88
5-May-15	9.6	5.84
6-May-15	13.4	5.83
12-May-15	3	1.95
19-May-15	3.8	2.42
26-May-15	111	54
3-Jun-15	47.1	28.5
10-Jun-15	13.4	4.12
17-Jun-15	5.3	0.95
24-Jun-15	1.6	0.56
30-Jun-15	2.8	0.7
8-Jul-15	2.2	0.6
15-Jul-15	1.9	0.55
21-Jul-15	1.2	0.61
27-Jul-15	1.4	0.32
29-Jul-15	1.6	0.41
5-Aug-15	< 1.0	0.42
12-Aug-15	1.6	0.42
19-Aug-15	1.6	0.69
26-Aug-15	< 1.0	0.4
2-Sep-15	1.5	0.61
7-Oct-15	< 1.0	0.41
26-Oct-15	6.6	0.99
2-Nov-15	3.4	3.36
4-Nov-15	< 1.0	0.85
9-Nov-15	< 1.0	0.49

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
16-Nov-15	3.1	2.82
23-Nov-15	6.3	2.34
1-Dec-15	15.3	3.48
2-Dec-15	1.7	0.64
6-Jan-16	< 1.0	0.27
3-Feb-16	< 1.0	0.14
16-Feb-16	< 1.0	0.34
1-Mar-16	< 1.0	0.57
2-Mar-16	< 1.0	0.40
8-Mar-16	1.1	0.86
15-Mar-16	< 1.0	0.63
22-Mar-16	1.2	0.88
29-Mar-16	< 1.0	0.33
6-Apr-16	5.3	1.87
13-Apr-16	9.6	5.63
13-Apr-16	< 1.0	< 0.10
16-Apr-16	5.2	3.93
16-Apr-16	4.9	3.36
17-Apr-16	6.9	4.69
18-Apr-16	6.7	4.90
19-Apr-16	13.8	7.39
20-Apr-16	30.8	15.2
21-Apr-16	26.6	15.0
27-Apr-16	14.5	6.51
4-May-16	19.7	10.9
11-May-16	11.6	6.46
18-May-16	8.2	2.54
25-May-16	6.0	3.30
1-Jun-16	6.3	2.10
8-Jun-16	3.8	7.58
15-Jun-16	3.2	1.67
22-Jun-16	2.8	0.79
29-Jun-16	2.6	1.24
6-Jul-16	2.2	0.51
13-Jul-16	1.7	0.63
20-Jul-16	1.4	0.46

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
27-Jul-16	1.3	0.48
3-Aug-16	1.7	0.45
23-Aug-16	1.5	0.37
30-Aug-16	< 1.0	0.67
6-Sep-16	< 1.0	0.41
7-Sep-16	< 1.0	0.35
13-Sep-16	< 1.0	0.28
20-Sep-16	3.1	0.83
5-Oct-16	1.3	0.35
17-Oct-16	9.1	3.75
25-Oct-16	1.9	0.68
1-Nov-16	3.4	2.67
2-Nov-16	4.2	3.42
7-Nov-16	2.2	1.99
8-Nov-16	2.4	1.80
9-Nov-16	2.1	1.63
10-Nov-16	2.9	1.78
15-Nov-16	6.4	5.66
17-Nov-16	6.5	2.64
23-Nov-16	1.6	1.11
30-Nov-16	2.2	1.67
13-Dec-16	2.5	1.14
1/17/2017	1.7	0.53
1/30/2017	1.1	0.46
2/1/2017	1.3	0.82
2/28/2017	1.1	0.55
3/1/2017	4.8	1.01
3/7/2017	1.1	0.69
3/14/2017	1.2	0.65
3/15/2017	4.2	2.28
3/21/2017	4.2	3.1
3/22/2017	13.4	6.79
3/29/2017	2.2	2.21
4/5/2017	2.4	1.98
4/12/2017	1.7	1.61
4/19/2017	3.5	2.72

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
4/24/2017	9.0	6.91
5/2/2017	4.4	2.27
5/9/2017	16.0	11.5
5/16/2017	15.9	16.4
5/23/2017	48.6	24.5
5/30/2017	70.2	43.3
6/6/2017	33.8	20.5
6/13/2017	6.7	8.14
6/14/2017	22.8	13.8
6/21/2017	13.9	9.15
6/28/2017	4.9	3.73
7/4/2017	3.9	1.39
7/12/2017	2.3	1.08
7/19/2017	6.8	0.81
7/25/2017	2.4	1.03
8/1/2017	2.1	0.92
8/8/2017	5.1	1.6
8/15/2017	3.0	1.4
8/22/2017	3.4	0.85
8/29/2017	1.1	0.52
9/12/2017	1.6	0.53
9/19/2017	2.2	0.35
9/26/2017	1.2	0.32
10/2/2017	1.4	0.63
10/2/2017	5.2	2.23
10/3/2017	1.2	0.8
10/5/2017	< 1.0	0.29
10/6/2017	< 1.0	0.46
10/10/2017	1.0	0.25
10/11/2017	< 1.0	0.34
10/12/2017	< 1.0	0.48
10/16/2017	1.1	0.29
10/17/2017	5.2	2.08
10/19/2017	154	66.5
10/20/2017	4.6	4.01
10/23/2017	1.3	1.3

Sample Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
10/24/2017	1.3	1.18
10/26/2017	1.4	0.83
10/30/2017	1.7	1.37
10/31/2017	1.5	0.6
11/7/2017	8.9	3.08
11/9/2017	< 1.0	0.5
11/14/2017	< 1.0	0.47
11/21/2017	< 1.0	0.42
11/28/2017	2.0	2.07
12/6/2017	< 1.0	0.59
12/12/2017	1.7	0.93
12/19/2017	< 1.0	0.64
12/27/2017	1.6	0.72

E206437 - CM_WBE: T.E.H and EPH

Sample Date	T.E.H (mg/L)	EPH (mg/L)
1/3/2008	19	
3/5/2008	130	
4/1/2008	57	
4/10/2008	3	
4/28/2008	14	
5/6/2008	2.1	
6/3/2008	23	
7/7/2008	0.53	
8/5/2008	9.5	
9/2/2008	51	
10/7/2008	0.23	
11/4/2008	1	
12/3/2008	25.4	

Sample Date	T.E.H (mg/L)	EPH (mg/L)
1/6/2009	4.2	
2/3/2009	1.28	
3/3/2009	10.5	
4/7/2009	17	
5/5/2009	18.6	
6/2/2009	27.7	
7/7/2009	2.74	
8/4/2009	385	
9/1/2009	20.9	
10/6/2009	11.8	
11/3/2009	16.6	
12/1/2009	10.1	
1/5/2010	39.4	
2/2/2010	27.8	
3/2/2010	7.92	
4/6/2010	4.3	
5/4/2010	20	
6/1/2010	8.65	
7/6/2010	20.9	
8/3/2010	4.92	
9/7/2010	16.9	
10/5/2010	4.47	
11/2/2010	15	
12/7/2010	2.42	
1/4/2011	3.34	
2/1/2011	12.7	
3/8/2011	83.77	

Sample Date	T.E.H (mg/L)	EPH (mg/L)
4/6/2011	0.5	
5/3/2011	2.25	
6/7/2011	3.78	
7/6/2011	0.6	
8/2/2011	3.58	
9/6/2011	3.43	
10/4/2011	1.23	
11/1/2011	3.56	
12/6/2011	11.6	
1/4/2012	3.34	
2/8/2012	9.56	
3/6/2012	7.5	
4/4/2012	2.5	
5/1/2012	1.79	
6/5/2012	5.39	
7/4/2012	5.03	
8/8/2012	3.92	
9/4/2012	2.12	
10/2/2012	6.04	
12/4/2012	16.1	
1/3/2013	3.39	
2/6/2013	3.26	
3/6/2013	3.29	
4/2/2013	9.09	
5/7/2013	3.68	
6/4/2013	1.22	
7/2/2013	1.94	

Sample Date	T.E.H (mg/L)	EPH (mg/L)
8/6/2013	11.8	
9/3/2013	7.63	
10/1/2013	0.63	
11/5/2013	22.2	
12/3/2013	1.53	
1/7/2014	0.54	
2/4/2014	3.55	
3/4/2014	4.12	
4/1/2014	1.25	
5/6/2014	18.2	
6/3/2014	18.5	
7/9/2014	19.3	
8/5/2014	1.14	
9/2/2014	1.92	
10/7/2014	1.75	
11/4/2014	34	
12/3/2014	4.35	
1/6/2015	1.55	1.7
2/3/2015	2.02	2.29
3/3/2015	2.02	2.18
4/8/2015	2.27	2.5
5/6/2015	7.067	8.72
6/3/2015		1.97
7/8/2015		1.39
8/5/2015		1.3
9/2/2015		0.5
10/7/2015		0.5
11/4/2015		1.4
12/2/2015		1.67
1/6/2016		0.5
4/6/2016		13.3

Sample Date	T.E.H (mg/L)	EPH (mg/L)
7/20/2016		4.8
10/5/2016		1.93
1/19/2017		1.34
4/5/2017		4.78
7/5/2017		5.91
11/23/2017		0.57

E206439 - CM_SEW: TSS, Lab Turbidity and BOD_5

Sample_Date	BOD_5 (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
1/3/2008	4	10	
2/6/2008	17	15	
3/5/2008	7	12	
4/1/2008	2	7	
5/6/2008	< 2	11	
6/3/2008	< 2	6	
7/7/2008	< 2	14	
8/5/2008	< 2	18	
9/2/2008	< 2	25	
10/7/2008	< 2	12	
11/4/2008	< 2	9	
12/3/2008	< 5	11	
1/6/2009	7	21.3	
2/3/2009	9	23.6	
3/3/2009	17	9.3	
4/7/2009	< 5.0	5.7	

Sample_Date	BOD_5 (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
5/5/2009	< 5.0	12.9	
6/2/2009	< 5.0	< 3.0	
7/7/2009	< 5.0	< 5.0	
8/4/2009	347	7.6	
9/1/2009	< 5.0	11.3	
10/6/2009	< 5.0	< 3.0	
11/3/2009	< 5.0	< 3.0	
12/1/2009	< 2.0	< 3.0	
1/5/2010	< 5	< 3	
2/2/2010	< 5	< 3	
3/2/2010	< 5	7.1	
4/6/2010	< 5	6	
5/4/2010	< 5	3.3	
6/1/2010	6.6	53	
7/6/2010	< 5	46	
8/3/2010	< 5	< 3	
9/7/2010	< 5	< 3	
10/5/2010	< 5	6.8	
11/2/2010	< 5	4.3	4.53
12/7/2010	< 5	13.8	
1/4/2011	< 5.0	< 3.0	
2/1/2011	< 5.0	< 3.0	
3/8/2011	< 2	7	
4/6/2011	< 2	6	

Sample_Date	BOD_5 (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
5/3/2011	< 5.0	3.5	
6/8/2011	6.2	30	
6/22/2011		20	
7/6/2011	5.6	48	
7/18/2011		45	
8/2/2011	< 5	58.7	
8/16/2011		47	
8/17/2011		13	
8/30/2011		10	
9/6/2011	< 5	18.7	
9/15/2011		36	
9/26/2011		36	
10/4/2011	< 5	23.7	
10/19/2011		8	
11/1/2011	< 5.0	14.2	
11/9/2011		32	
11/30/2011		30	
12/2/2011		54	
12/6/2011	< 5.0	< 3.0	
12/21/2011		4	
1/4/2012	< 5.0	< 3.0	
2/8/2012	< 5.0	6	
2/15/2012		< 3.0	
3/6/2012	< 5.0	5.2	

Sample_Date	BOD_5 (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
4/4/2012	< 5.0	5.7	
5/1/2012	< 5.0	< 3.0	
6/5/2012	< 5.0	< 3.0	
7/4/2012	< 5.0	< 3.0	
8/7/2012	< 5.0	3.2	
8/8/2012	< 5.0	3.2	
9/4/2012	< 5.0	< 3.0	
10/2/2012	< 5.0	< 3.0	
11/6/2012	< 5.0	< 3.0	
12/4/2012	< 5.0	< 3.0	
1/3/2013	< 5.0	7.3	
2/6/2013	< 5.0	< 3.0	
3/6/2013	< 2.0	< 3.0	
4/2/2013	< 2.0	3.1	
5/7/2013	< 2.0	< 3.0	
6/4/2013	< 2.0	< 3.0	
7/2/2013	< 2.0	< 3.0	
8/6/2013	< 2.0	3.1	
9/3/2013	< 2.0	< 3.0	
10/1/2013	< 2.0	< 3.0	
11/5/2013	< 2.0	< 3.0	
12/3/2013	< 2.0	< 1.0	
1/7/2014	< 2.0	< 1.0	
2/4/2014	< 2.0		

Sample_Date	BOD_5 (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3/4/2014	< 2.0		
4/1/2014	< 2.0		
5/6/2014	< 2.0		
6/3/2014	< 2.0		
7/2/2014	< 2.0		
8/5/2014	< 2.0		
9/2/2014	< 2.0		
10/7/2014	< 2.0		
11/4/2014	< 2.0		
12/3/2014	< 2.0		
1/6/2015	< 2.0		1.26
2/5/2015	< 2.0		0.19
3/3/2015	< 2.0		0.20
4/8/2015	< 2.0		0.17
5/6/2015	< 2.0		0.21
6/3/2015	< 2.0		0.55
7/8/2015	< 2.0		0.16
8/5/2015	< 2.0		0.14
9/2/2015	< 2.0		
9/21/2015	< 2.0		0.45
10/7/2015	< 2.0		0.13
11/4/2015	< 2.0		0.22
12/2/2015	< 2.0		0.22
1/6/2016	< 2.0	< 1.0	0.13

Sample_Date	BOD_5 (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
2/3/2016	< 2.0	< 1.0	0.12
3/2/2016	< 2.0	< 1.0	0.94
4/6/2016	< 2.0	1.6	1.08
5/4/2016	< 2.0	< 1.0	0.43
6/6/2016	< 2.0	12.3	8.12
7/20/2016		3.4	1.14
8/3/2016	< 2.0	1.9	0.27
9/26/2016	4.7	20.1	10.4
10/5/2016	< 2.0	1.6	1.45
11/2/2016	2.9	< 1.0	0.42
12/13/2016	< 2.0	< 1.0	0.16
1/17/2017	< 2.0	< 1.0	0.16
2/1/2017	< 1.0	< 1.0	0.22
3/1/2017	< 2.0	< 1.0	0.56
4/5/2017	< 2.0	< 1.0	0.19
5/2/2017	< 0.5	< 1.0	0.2
6/6/2017	< 2.0	< 1.0	0.34
7/4/2017	< 2.0	< 1.0	
8/1/2017	< 2.0	< 1.0	0.29
9/12/2017	< 2.0	2.0	0.81
10/4/2017	< 2.0	< 1.0	0.14
11/7/2017	< 2.0	< 1.0	0.22
12/6/2017	< 1.0	< 1.0	0.47

E206437 - CM_WBE and E206439 - CM_SEW: Daily Flows

Sample Date	CM_SEW Daily Flow (m^3/day)	CM_WBE Daily Flow (m^3/day)
1/3/2008	21.93	24.64
2/6/2008	28	
3/5/2008	28.1	
4/1/2008	24.42	24.43

Sample Date	CM_SEW Daily Flow (m^3/day)	CM_WBE Daily Flow (m^3/day)
5/6/2008	20.956	
6/3/2008	23.37	
7/7/2008	21.81	39.3
8/5/2008	19.96	37.84
9/2/2008	24.26	42.23
10/7/2008	18.72	43.5
11/4/2008	17.69	53.83
12/3/2008	19.68	26.36
1/6/2009	23.21	11.14
2/3/2009	18.29	31.96
3/3/2009	16.24	34.01
4/7/2009	28.6	55.61
5/5/2009	16	
6/2/2009	16	40.8
7/7/2009	14.91	40.86
8/4/2009	18.22	23.67
9/1/2009	20.8	35.3
10/6/2009	20.4	32.69
11/3/2009	19.1	39.99
12/1/2009	17.805	39.95
1/5/2010	15.57	
2/2/2010	15.15	39.75
3/2/2010	18.435	39.75
4/6/2010	18.117	39.67
5/4/2010	18.85	42.25
6/1/2010	2.18	52.84
7/6/2010	33.5	45.29
8/3/2010	18.465	42.47
9/7/2010	17.83	0.13
10/5/2010	0.163	27.64
10/27/2010		38.47
11/2/2010	0.174	48.96

Sample Date	CM_SEW Daily Flow (m^3/day)	CM_WBE Daily Flow (m^3/day)
12/7/2010	19.032	27.03
1/4/2011	22.007	18.14
2/1/2011	22.85	21.9
3/8/2011		24.67
4/6/2011	17.59	49.87
5/3/2011	17.86	
6/7/2011		65.54
6/8/2011	18.091	
7/6/2011	16.825	67.43
8/2/2011	16.867	35.22
9/6/2011	16.196	60.76
11/1/2011	8.03	45.89
12/6/2011	14.167	26.8
1/4/2012	22.007	18.14
2/8/2012	18.64	37.26
3/6/2012	19.41	28.48
4/4/2012	16.076	38.62
5/1/2012	25.45	81.75
6/5/2012	19.537	72.84
7/4/2012	16.85	86.09
8/7/2012	15.11	63.65
8/8/2012		63.65
9/4/2012		55.92
9/4/2012	15.35	
10/2/2012	14.439	
10/2/2012		55.92
11/6/2012		60.75
11/6/2012	17.166	
12/4/2012	16.59	
12/4/2012		46.43
1/3/2013	11.57	
1/3/2013		25.75

Sample Date	CM_SEW Daily Flow (m^3/day)	CM_WBE Daily Flow (m^3/day)
2/6/2013		30.78
2/6/2013	16.22	
3/6/2013	16.21	
3/6/2013		42.12
4/2/2013	20.30	
4/2/2013		56.32
5/7/2013		71.29
5/7/2013	19.33	
6/4/2013	18.53	
6/4/2013		59.16
7/2/2013	22.14	
7/2/2013		55.36
8/6/2013	17.2	
9/3/2013	17.2	
9/3/2013		50.44
10/1/2013	18.10	53.19
11/5/2013	19.66	
11/5/2013		44.26
12/3/2013	16.59	
12/3/2013		35.99
1/7/2014	21.67	
2/4/2014		23.5
2/4/2014	23.51	
3/4/2014	23.94	
3/4/2014		33
4/1/2014	23.53	
4/1/2014		33.14
5/6/2014	24.24	
5/6/2014		36.22
6/3/2014		23.38
10/7/2014	15.83	
10/7/2014		38.25

Sample Date	CM_SEW Daily Flow (m^3/day)	CM_WBE Daily Flow (m^3/day)
11/4/2014	18.66	
11/4/2014		39.57
12/3/2014	21.7	
12/3/2014		26.3
1/6/2015	15.9	20.48
2/3/2015		28.0
2/5/2015	13.59	
3/3/2015	19.65	
3/3/2015		43.3
4/8/2015	18.04	
4/8/2015		51.0
5/6/2015		32.86
5/6/2015	17.15	
6/3/2015		28.86
6/3/2015	16.62	
7/8/2015	12.88	
7/8/2015		29.41
8/5/2015	9.72	
8/5/2015		22.07
9/2/2015		30.86
9/21/2015	18.06	
10/7/2015	17.206	
10/7/2015		33.71
11/4/2015		31.71
11/4/2015	17.54	
12/2/2015		23.71
12/2/2015	16.94	
1/6/2016	13.3	24.0
2/3/2016	16.9	
3/2/2016	15.3	
4/6/2016	14.5	50.9

Sample Date	CM_SEW Daily Flow (m^3/day)	CM_WBE Daily Flow (m^3/day)
5/4/2016	14.5	
6/6/2016	14.4	
7/20/2016	32.6	21.9
8/3/2016	14.3	
9/26/2016	13.1	
10/5/2016	11.1	40.1
11/2/2016	14.7	
12/13/2016	13.9	
1/17/2017	12.877	
1/19/2017		31.43
2/1/2017	12.94	
3/1/2017	12.2	
4/5/2017	12.854	23.58
5/2/2017	12.544	
6/6/2017	12.286	
7/4/2017	12.079	
7/5/2017		18.33
8/1/2017	12.793	
9/12/2017	12.333	
10/4/2017	12.691	
11/7/2017	12.794	
11/23/2017		9.63
12/6/2017	15.931	

Appendix D - CMO Reportable Spills 2017

Incident #	Date	Type	Substance	Quantity	Units	Location	Incident Summary	Corrective Action	PEP #
1	25-Feb-2017	Oil/Petroleum	Hydraulic Oil	800	Litres	6 Pit	A frost chunk fell from the dig face and ruptured 904 shovel's hydraulic tank while it was loading trucks. It is currently estimated that approximately 4,300L of hydraulic oil drained out of the tank. However, approximately 3,500L was captured in spill pools. Therefore, the spill total is estimated to be 800L.	Berm was constructed to contain the spill. Spill pools were placed to capture leaking oil. Absorbents used to clean up and a contractor was utilized to clean up the spill with a vacuum truck. Reviewed with crews. Experienced operators will be used in areas where frost is expected.	DGIR 163424
2	8-Mar-2017	Oil/Petroleum	Hydraulic Oil	270	Litres	6 Pit	904 shovel blew a hydraulic O-ring.	Spill was cleaned up with soaker pads.	DGIR 163535
3	16-May-2017	Oil/Petroleum	Diesel	150	Litres	Pengelly Laydown	Serviceman was trying to drain the fuel tank. He assumed that there was little fuel left in tank and did not look from the top to check the level, he then proceeded to pull the bung from the bottom which caused the fuel to spill into spill containers but overflowed them, Spilling approx. 150 liters to ground.	Absorbent pads were put down to soak up the spill and a vac truck was called in to clean out the spill trays and what was left on the ground.	DGIR 170583
4	3-Jun-2017	Oil/Petroleum	Hydraulic Oil	792	Litres	East Spoils	Hydraulic ram for box hoist detached from main body support pin, breaking hydraulic line causing spill on spoil platform.	Spill pool placed under leak and absorbent pads used to clean up remainder of spill.	DGIR 170815
5	14-Jun-2017	Oil/Petroleum	Hydraulic Oil	298	Litres	East Spoils	Hydraulic line on HT006 blew while hoisting.	Spill pool placed under leak and absorbent pads used to clean up remainder of spill.	DGIR 170929
6	7-Jul-2017	Oil/Petroleum	Hydraulic Oil	300	Litres	1742 Spoil	The operator of 106 Dozer was pushing loads off the 1742 spoil .When he noticed the smell of smoke, he back the dozer away from the edge and shut it off .When he was looking for the cause of the smoke the oil started on fire. He was able to extinguish the fire with a 20 LB extinguisher. The cause was a blown hydraulic line down low in the engine bay.	A spill tray was set up underneath along with soaker pads. After the dozer was able to move on completion of repairs. The spill tray oil was emptied and all soaker pads were picked up and disposed of in the proper bins The affected soil was scrapped up in a pile to be disposed of off site.	DGIR 171217

7	25-Jul-2017	Oil/Petroleum	Hydraulic Oil	345	Litres	6 Pit	Line on 403 loader transmission failed	Service trick 530 was brought to the spill site and using the recovery system on the truck it managed to pick up some of the oil prior to the soaker pads being put down . Soaker pads were put down to absorb the oil laying on the surface .The pads were picked up placed in plastic bags and put in Cogen Bins for disposal off site . After the loader was moved out of the way an excavator was used to scrap up the contaminated ground and it was placed in plastic lined bins for disposal off site. The oil from 530 service truck was put in the used oil container at the shop.	DGIR 171417
8	31-Jul-2017	Oil/Petroleum	Transmission Oil	468	Litres	37 Pit	The Remote Dozer Operator in 37 Pit, noticed some strange sounds coming from the Dozer via audio from the cameras, and the Dozer ceased moving. The Operator assumed it was due to poor frequency connection from the remote to the Dozer, and tried to start the Dozer to regain functions. The Dozer would not regain functions, once supervision was notified a Safe Work Plan was created to safely remove the Dozer from the Hazard Zone. Due to distance from the Operator to the Dozer there was no sign of a Leak, just the assumption it was either a mechanical/electrical issue, or a frequency issue. It has turned out that the Dozer lost functions due to a failure from Torque Valve Drain Plug being broke off, and dumping 468 liters of Transmission fluid on the rocky coarse ground.	Unable to cleanup do to the hazards in the area, foot traffic is not permitted and course ground would have also made cleanup difficult. As part of this remote project and identified in the MOC, CMO is using an environmental friendly hydraulic oil (DTE10 Excel 32) and are now investigating similar type substitutes for other equipment oils.	DGIR 171525
9	2-Oct-2017	Oil/Petroleum	Hydraulic Oil	250	Litres	6 Pit	A hydraulic line failed and broke on 904 shovel, releasing hydraulic oil to the ground, in mud and pooled water on rocky ground.	Soaker pads were used to clean up the spill and were shipped offsite. Due to the muddy/slurry ground, the ground could not be scraped up and a vacuum truck could not enter the area. CAP initiated through Siteline to discuss other ways to deal with spills in muddy environment.	PEP #172262
10	5-Oct-2017	Oil/Petroleum	Engine Oil	203	Litres	Maintenance Yard	HT 203 was found to have a cross threaded oil filter and blown O-ring causing 203 L of engine oil to spill to the ground.	Soaker pads and soaker socks were used to contain the spill. BPI was called to site to clean up the remaining spilled liquid and contaminated ground for disposal offsite.	PEP #172296

11	6-Oct-2017	Oil/Petroleum	Hydraulic Oil	200	Litres	6 Pit	A hydraulic line failed on 904 shovel causing an estimated 200 liter spill of hydraulic fluid in 6 pit (1596 bench).	Soaker pads immediately placed under the shovel. After the shovel was moved on October 8, the contaminated ground material was dozed and put into the contaminated soil bins for transfer offsite. The soaker pads were put in the mixed waste bins for shipment offsite.	PEP #172318
12	24-Oct-2017	Oil/Petroleum	Hydraulic Oil	651	Litres	Various	Hydraulic oil leak on haul truck. The leak was not immediately detected and was thought to span a large area where the truck had been traveling – from the coal stock piles to 6 pit. Another truck noticed the leak & called the operator. The operator checked the leak & shut truck down. Leak was caused by a blown O-Ring on hose from steer pump to hydraulic filter.	Put down soaker pads & spill pool and sent soaker pads offsite for disposal. However, most of the volume of oil had already leaked by the time it was detected. Environment requested mine ops travel the area and look for areas of staining. The Mine Ops General Supervisor traveled the road several times the next morning but did not find any evidence of the leak. It is thought to have taken place over a longer period and large area. It occurred during night shift (9:30 pm) and therefore was not easily detected in the dark.	PEP #172549
13	9-Nov-17	Oil/Petroleum	Hydraulic Oil	287	Litres	Plant Breaker	The hydraulic fan return filter backed off causing hydraulic oil to push past the seal on the filter causing a hydraulic leak on a loader working in the Plant Breaker area.	Put down soaker pads and disposed of them in the mixed waste bin. Cleaned up contaminated soil & put in contaminated soil bin to be shipped off site.	PEP #172728
14	17-Nov-17	Oil/Petroleum	Hydraulic Oil	377	Litres	East Spoils	Hydraulic hose failure from in line filter to steering pump on 403 Loader failed causing 377 liters of hydraulic oil to spill on the ground in the East spoils.	Put down soaker pads, cleaned up soaker pads, put in mixed waste bin for offsite disposal. Remaining soaker pads and soil were cleaned up following repairs.	PEP #172833
15	25-Nov-17	Oil/Petroleum	Hydraulic Oil	163, updated to 30	Litres	West Access Road, entering 34 Pit	Break line on 403 loader failed causing 163L of hydraulic oil to spill to ground. Failure was caused by the brake cooling pump filter rubbing through at the clamp. The supervisors reported seeing the spill and estimated the fluid loss to ground at 30L however the equipment was topped up with 163L. 163L was the initial volume reported to PEP. The equipment had maintenance the previous day which required a drawdown of fluid and had been running therefore using the top up volume is not what was lost to ground in this incident. The updated volume would not have required this spill to be reported to PEP however since a PEP report was created we	The mechanic had put a spill pool down. 30 liters was sucked up and cleaned up with soaker pads, scraped up material and removed.	PEP #172938

							updated PEP with the new volumes and PEP informed Teck that they wouldn't cancel the PEP # but rather pass on the information to ENV		
16	2-Dec-17	Oil/Petroleum	Hydraulic Oil	300 updated to 90	Litres	East Spoils	Loose bolts on a hydraulic control valve block on 403 loader caused a spill of approximately 300 liters of hydraulic fluid. Spill was initially reported to PEP as a 300 L spill but was updated to a 90 L spill (non-PEP reportable) based on comments from the Supervisor that only 90 L actually hit the ground and the rest of the volume was caught in the belly pan of the loader.	Soaker pads were used, spill pool was not relevant with how fast it happened. Roughly 90Litres hit the ground and the rest was caught in the belly pan of the loader as well as covering the loader.	PEP #173032
17	6-Dec-17	Oil/Petroleum	Hydraulic Oil	1057	Litres	East Spoils	Possible break line failure on 912 haul truck caused a spill of approximately 1057 litres of hydraulic fluid.	Soaker pads that were taken to shop contaminated oil bin. After truck was repaired and moved, oil contaminated soil was scraped up and put in soil contamination bins.	PEP #173070