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Annual Report Overview

Report: Coal Mountain Operations Permit 4750 Annual Report 2016 – March 31 2017

Overview: This report summarizes Teck Coal Limited Coal Mountain Operations (CMO) 2016 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.

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Permit 4750 – Coal Mountain Operations Annual Report

March 31, 2017

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Executive Summary

This report summarizes Teck Coal Limited – Coal Mountain Operations 2016 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 of 50 mg/L for all discharge locations.

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.

In 2016, CMO dispensed 871 litres of cationic flocculant and 267 litres of anionic flocculant. All anionic flocculant is dispensed with water as a 3% anionic floc solution.

During 2016, seven 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 flow measurement structure installations in the West Ditch and downstream of the Corbin Creek Rock Drain, as well as continued improvements to the automation of the flocculant station on the North Ditch.

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

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1 Description of Mine Operation and Discharges

1.1 Introduction

Teck Coal Limited – 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 (Map 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.

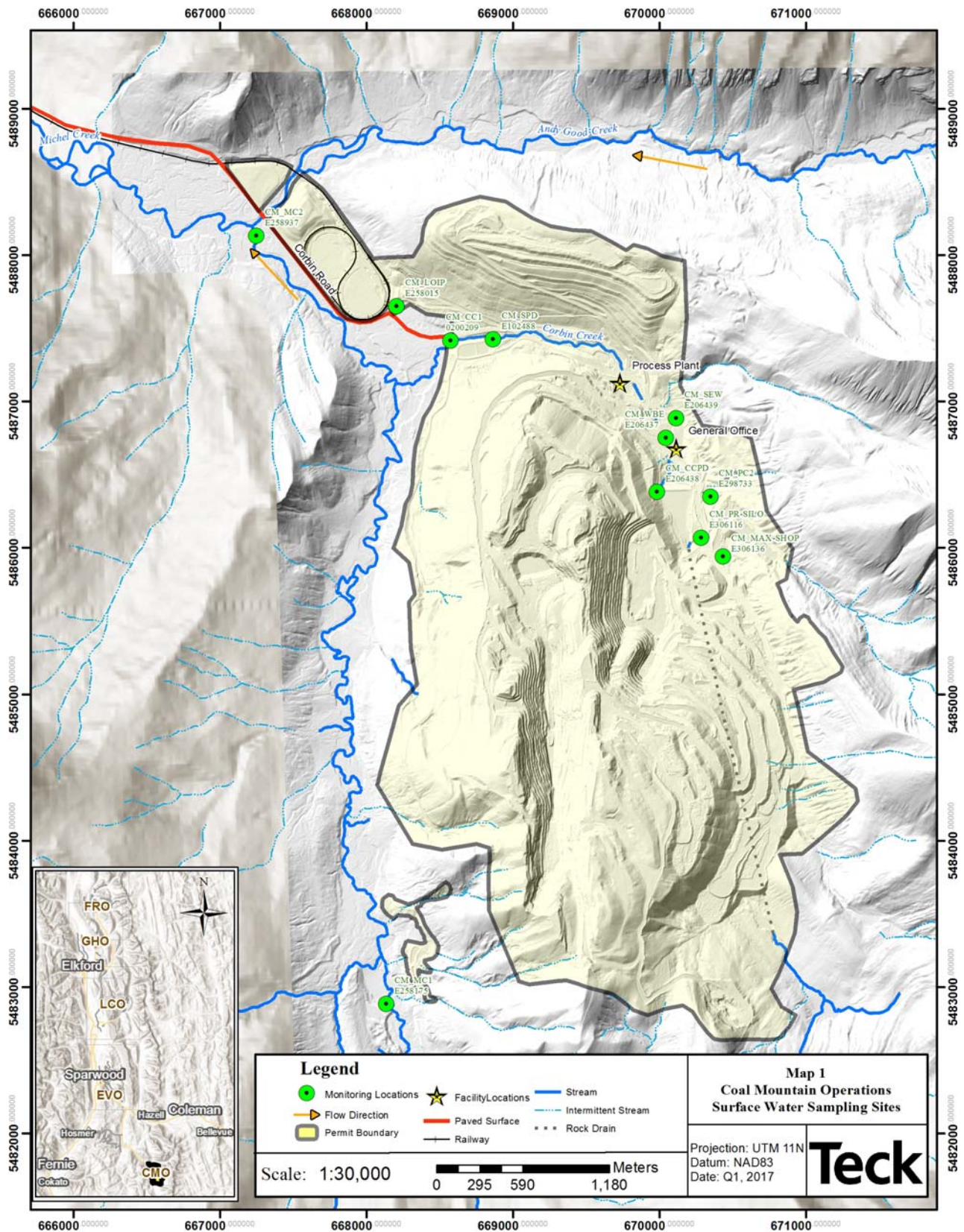
Mining activity at Coal Mountain began in 1908 with small, underground mines and continued intermittently as open pit operations with various owners. The existing CMO mining area consists of two private land parcels (numbered 6997 and 6999) and Coal Lease 13, which is held to the south of lot 6997. The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

In 2016, CMO produced 2.56 million (M) tonnes of clean coal and mined approximately 8.4 M bank cubic metres of waste rock.

1.2 Overview of Operations

In 2016 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 (MOE). All sampling required under both permits was completed in 2016. 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, 2017. Required Permit 4750 sampling was conducted at the locations listed in

Table 1 and shown in Map 1.



Map 1. Coal Mountain Operations – Surface Water Monitoring Locations

Table 1. Summary of Permit 4750 sampling sites

EMS ID	Site ID	UTM NAD 83 Zone 11		Type	Description
		Easting	Northing		
Analysis 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 MOE 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 MOE, this document replaces the requirement to submit individual Process Modification Notification (PMN) for all maintenance work until the end of CMO's mine life (projected to be Q1 2018).

No additional work outlined outside of the "Routine Water Infrastructure Maintenance Requiring MOE Notification" was conducted in 2016.

2 Incidents and Compliance Summary

2.1 Incidents

2.1.1 Incidents Related to Water Quality

There were no incidents related to water quality at CMO in 2016.

2.1.2 All Other Reportable Spills and Incidents

Spills and incidents at CMO are entered into an incident tracking system which helps to determine root causes and corrective or preventative actions to help prevent re-occurrences. When applicable, spills and incidents are reported to the MOE directly and/or via BC's Provincial Emergency Program (PEP). CMO reported seven PEP spills in 2016. All reportable spills that occurred at CMO in 2016 are summarized in Table 4 (all previously reported in detail to the MOE in quarterly reports).

CMO maintains and follows a spill reporting procedure. CMO captures as much of the spill as possible before it hits the ground by using spill trays where possible. Liquids are then removed from the trays utilizing a portable vacuum trailer. CMO utilizes a third-party vacuum truck to recover large spill volumes when required. All spilled product and other contaminated material recovered (e.g., soaker pads, soil) is taken off site for disposal utilizing a third-party contractor.

Table 2. Summary of PEP reportable spills for 2016

#	Date	Substance	Qty.	Unit	Location	Incident Summary	Corrective Actions	PEP #
1	1/13/2016	Hydraulic Oil	850	L	6 Pit	The main pump on 702 shovel failed due to two broken bolts. Investigation determined that the two bolts were newly replaced and therefore should not have failed.	Preventative maintenance check sheets are being revised to include these bolt locations to prevent a re-occurrence.	152916
2	2/16/2016	Hydraulic Oil	200	L	6 Pit	A pressure release valve backed out on 803 shovel's travel motor causing 200 L of hydraulic oil to spill into 6 Pit.	Root cause was not identified for this spill. The fitting was replaced and is holding.	153259
3	3/15/2016	Hydraulic Oil	820	L	6 Pit	A steel elbow ruptured on 803 shovel causing 820 L of hydraulic oil to spill into 6 Pit. The steel elbow had suffered some damage but it is unknown what the cause of the damage was. The elbow was located in the interior part of the shovel so it is assumed that the damage was caused during previous work activities.	Root cause was not identified for this spill. The elbow was replaced and is holding. CMO is proactively replacing steel hydraulic line o-rings every two years in line with the existing hose change out program. It is anticipated that this will help reduce the frequency of failures related to steel hydraulic lines.	153585
4	4/10/2016	Hydraulic Oil	250	L	6 Pit	A servo hose in 803 shovel's house failed causing 250 L of hydraulic fluid to spill.	Root cause was not identified for this spill. The fitting was replaced and is holding.	160075

#	Date	Substance	Qty.	Unit	Location	Incident Summary	Corrective Actions	PEP #
5	5/17/2016	Hydraulic Oil	135	L	6 Pit	A hydraulic fitting o-ring failed causing 135 L of hydraulic oil to spill onto the bench floor in 6 Pit.	Root cause was not identified for this spill. The o-ring was replaced and is holding.	160462
6	5/30/2016	Diesel	3,000	L	6 Pit	An object, possibly a rock, came down and made contact with the right side of the shovel while loading a truck on the left side, puncturing the fuel tank. It was determined that the dig face was too high.	Reviewed incident with all shovel operators to ensure proper management of the dig face.	160584
7	10/30/2016	Hydraulic Oil	600	L	37 Pit	A haul truck sank into soft ground. The driver attempted to drive out of the area and either a rock or the wheel chock got thrown by a tire and ruptured a hydraulic line.	Reviewed with crews with key message being to call in when there's an issue before it becomes an incident.	150882

Additional Comments

CMO has an established Fluid & Lube Management System which has a primary goal of minimizing the number and severity of hydraulic oil spills. CMO takes a proactive approach through early identification of drips and leaks and scheduling repairs before hoses or connections have a chance to fail or rupture. Below is a brief outline of some of the other aspects of the program:

- Automatic scheduling of hose exchanges for high pressure and safety critical hoses on the shovels.
- There is a dedicated shovel mechanic who is on the equipment during the majority of breaks to look for issues, including leaks.
- CMO has a daily walk-around and inspection checklist for heavy mining equipment. Any leaks or cracked hoses noted during this inspection are immediately reported to the Maintenance Department who then issues a work order to have the problem looked at. The equipment is checked in more detail during monthly preventative maintenance inspections.
- Includes a hydraulic training program for heavy-duty mechanics: This program includes a) hose manufacturing, b) hydraulic safety, c) proper hose routing, d) inspection criteria, and e) installation criteria including use of new flange bolts. CMO currently requires this training to be updated annually.
- Use of the best available parts including high quality O-rings.
- A Fluid and Lube Management Committee manages the program at CMO. This includes holding a bi-monthly meeting where spill incidents are reviewed, improvement projects are discussed, and issues or concerns with the program are problem-solved. The attendees of these meetings typically include the site General Manager, Maintenance and Operations Superintendent, Maintenance and Operations General Foreman, Senior Environmental Coordinator, as well as representation from maintenance engineering, heavy-duty mechanics, servicemen, and operators.

In addition to this program, CMO sets targets for annual spill reduction through our Environmental Management System and Teck's Sustainability Program. CMO also has an internal reporting and tracking system for spills. Spills entered into this system are reviewed by senior management and the Environmental Department and corrective actions are assigned as required. All of these measures help CMO to work towards continual improvement of spill management practices.

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 1.4.3 of this report). A complete list of Permit 4750 versions and amendments is provided in Table 3.

CMO has eight discharge sample locations and three 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 (BOD₅), 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 3.

Table 3. Summary of Permit 4750 limits

EMS ID	Site ID	Parameter	Permit 4750 Limit	
			4/8/2016	7/25/2016
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 Plant (CM_SEW)	Flow	56.8 m ³ /day	
		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	n/a	60 mg/L
E306116	Ammonium Nitrate Prill Silo Sump (CM_PR-SILO)	EPH	n/a	60 mg/L

2.3 Non-Compliances

CMO had zero permit exceedances related to limits under Permit 4750 in 2016.

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 missed data or unattainable data. Missed sample non-compliances are the result of either operator error (e.g., miscommunication, sampling planning errors, equipment failures, or shipping delays). Data categorized as unattainable occurs when circumstances prevent the collection of water samples from authorized discharges and/or receiving environment sampling sites throughout the calendar year. Such circumstances are generally out of Teck's control and include, but are not necessarily limited to, unsafe sampling conditions for personnel, zero flow due to freezing conditions, or cessation of discharge activities. A summary of CMO missing data for 2016 is provided in Table 4 and unattainable data is summarized in Table 5.

Table 4. Missed data summary

#	EMS ID	Site ID	Date	Parameters	Reason
1	E206439	CM_SEW	20/07/2016	BOD-5day	Lab incorrectly analyzed the sample for carbonaceous BOD instead of BOD 5-day (the chain of custody correctly indicated BOD 5-day). Due to a two week shutdown from July 4, 2016 – July 15, 2016, CMO scheduled monthly sampling for July 20, 2016 and did not receive sample results until August 2, 2016 which did not allow for an additional sample to be collected within the month of July.

Corrective Action

It is standard practice for CMO to schedule monthly sampling activities within the first week of the month to allow time for data review and re-sampling if necessary. Scheduled shutdowns are infrequent and it is not anticipated that there will be another before the end of CMO's mine life (planned for Q1 2018); however, should sampling be delayed due to another shutdown (or for any other reason), CMO will contact the lab to coordinate sample analysis in order to meet permit requirements.

Table 5. Unattainable data summary

#	EMS ID	Site ID	Date	Parameters	Reason
1	E298733	CM_PC2	01/06/2016 02/03/2016 03/02/2016 10/05/2016 12/13/2016	Water Quality	The Pengelly channel was not flowing on any of the sampling dates (zero flow).

Note that any site where flow was zero (no discharge, not decanting) was uploaded to the Ministry's EMS as zero flow and the water quality parameters were therefore not attainable.

2.5 Annual Reporting Compliance Summary

The following section outlines the annual reporting requirements of Permit 4750 and which section of this report fulfills each requirement.

Requirement Number	Description	Report Reference
i	A map of monitoring locations with EMS and Teck descriptors.	Map 1
ii	A summary of non-compliances with the permit conditions for the previous calendar year. This must include interpretation of significance, and the status of corrective actions and/or ongoing investigations.	Section 2.3
iii	A summary of environmental incidents reported during the previous calendar year, including corrective status.	Section 2.1.1 & 2.1.2
iv	A summary of measured parameters, including appropriate graphs and comparison of results to permit limits, Approved and Working Water Quality Guidelines, Site Performance Objectives, or other criteria and benchmarks as specified by the director.	Section 5
v	A summary of flocculants used at each pond location, in accordance with the approved Flocculant Management Plan including types and trade names, concentrations and volumes of each type dosed, and frequency and duration of dosing.	Section 6.2
vi	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	Section 5.1

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

3.1 QA/QC Program

3.1.1 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 sheet binder.

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 analysis is conducted by:

ALS Laboratory Group
8081 Loughheed HWY
Suite 100
Burnaby, BC

And by:

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

A total of 9,597 lab QA/QC samples were conducted by ALS Burnaby and ALS Calgary in 2016; including lab replicates, material blanks, and lab matrix spikes. Copies of the 2016 lab Certificate of Analysis including the QA/QC data are available upon request.

3.1.6 Field Duplicates

Field duplicate sample precision was evaluated using relative percent difference (RPD), which is the difference between the duplicates as a function of their average (see Appendix A). Three criteria were used to evaluate each set of duplicate samples:

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

Throughout 2016 a total of 18 duplicate samples were taken at permitted locations. Of the 18 field duplicate samples evaluated, all of them passed according to the criteria explained above.

3.1.7 Blanks/Replicate Samples

Control blanks (field blanks) were conducted throughout the year in accordance with procedures established in "BC 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. All monitoring results are presented in Appendix B.

A total of 26 field blank samples were collected in 2016. The field blanks were analyzed for TSS and turbidity. This analysis resulted in 52 analytes being evaluated. Of the 52 analytes analyzed, 49 (94.2%) were non-detects (Appendix A).

3.2 QA/QC Issues

QA/QC issues in 2016 related to sample collection are presented in Table 7.

Table 6. Summary of 2016 QA/QC issues

EMS ID	Site ID	Date	Issue	Reason
0200209	CM_CCPD	04/13/2016		Shipping/Lab Processing delay
E298733	CM_PC2			
E102488	CM_SPD			
0200209	CM_CC1			
E258937	CM_MC2			
E258175	CM_MC1			
0200209	CM_CCPD	04/19/2016		Shipping/Lab Processing delay
0200209	CM_CC1			
E258937	CM_MC2			
0200209	CM_CCPD	05/11/2016	Hold time exceedance - Turbidity	Lab Processing delay
E298733	CM_PC2			
E102488	CM_SPD			
0200209	CM_CC1			
E258937	CM_MC2			
E258175	CM_MC1			
0200209	CM_CCPD	05/25/2016		Lab Processing delay
E298733	CM_PC2			
E102488	CM_SPD			
0200209	CM_CC1			
E258937	CM_MC2			
E258175	CM_MC1			
0200209	CM_CCPD	06/08/2016	Hold time exceedance – TSS	Lab Processing delay
0200209	CM_CC1			
E258937	CM_MC2			
E258175	CM_MC1			
E102488	CM_SPD			
E298733	CM_PC2			

Corrective Action

When possible, CMO plans sampling events to allow same-day shipping to Sparwood which helps to ensure timely deliveries of samples to ALS Environmental in Burnaby and Calgary. In addition, Teck has initiated a program to evaluate the efficiencies of using a more local lab in order to further reduce the potential for hold time exceedances. Teck will evaluate lab performance and review lab preference upon completion of this program. Initial results of this program have indicated improvement as shown by the decrease of hold time exceedances since the beginning of the program in December.

4 Water Monitoring Program Description

4.1 Water Quality and Quantity Monitoring Requirements

Samples were collected from January 1, 2016 to December 31, 2016 in accordance with Permit 4750 requirements (Table 8). All sample results can be viewed in Appendix B – Monitoring Data and QA/QC Data.

Table 7. 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 ^(b)	-	-	-	4x per year	-
E306116	CM_PR-SILO ^(b)	-	-	-	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) m³/day for CM_SEW and CM_WBE

(b) Two data sets were collected for both of these locations since the July 2016 permit amendment

4.1.1 Pit Pumping

Monitoring requirements for 34 Pit and 6 Pit pumping are summarized in Tables 9 and 10, respectively.

Table 8. 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 9. 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 completion	W/M	W-M	W-M	W-M	W-M	W/M	W/M
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*

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 11.

Table 10. 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

5.1 Water Quality Results

In this section, water quality data are presented by parameter and compared to permit limits where applicable. Permit 4750, as described in Table 8, specifies monitoring requirements for discharges and receiving environment for parameters such as TSS, turbidity, BOD₅, 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 2016 107517 Annual Report and the 2016 Chronic Toxicity Program Annual Report.

All 2016 Permit 4750 monitoring parameters are discussed below. 2016 raw data with statistical summaries are presented in Appendix B. Historical data are presented in Appendix C.

5.1.1 Total Suspended Solids (TSS)

5.1.1.1 Receiving Environment

2016 TSS data for CMO's three receiving environment sampling sites are presented in Figure 1.

Forty six samples were collected at 0200209 (CM_CC1), 25 at E258175 (CM_MC1) and 54¹ at E258937 (CM_MC2) in 2016. Seventeen percent of the samples (7 of 47) collected at 0200209 (CM_CC1), 32% of the samples (8 of 25) collected at E258175 (CM_MC1) and 21% of the samples (11 of 52) collected at E258937 (CM_MC2) were below the TSS detection limit (DL) of 1.0 mg/L.

TSS concentrations in the receiving environment were generally most elevated during the end of May / beginning of June (i.e., coinciding with freshet); October and November also had elevated concentrations of TSS most likely due to heavier rain events.

Following are maximum TSS concentrations recorded in the receiving environment in 2016 (see Figure 1):

- 7.6 mg/L at 0200209 (CM_CC1) on April 21;
- 7.1 mg/L at E258175 (CM_MC1) on May 4; and
- 30.8 mg/L at E258937 (CM_MC2) on April 20.

¹ The higher number of samples collected at CM_MC2 is due to additional sample collection to pair with chronic toxicity sampling.

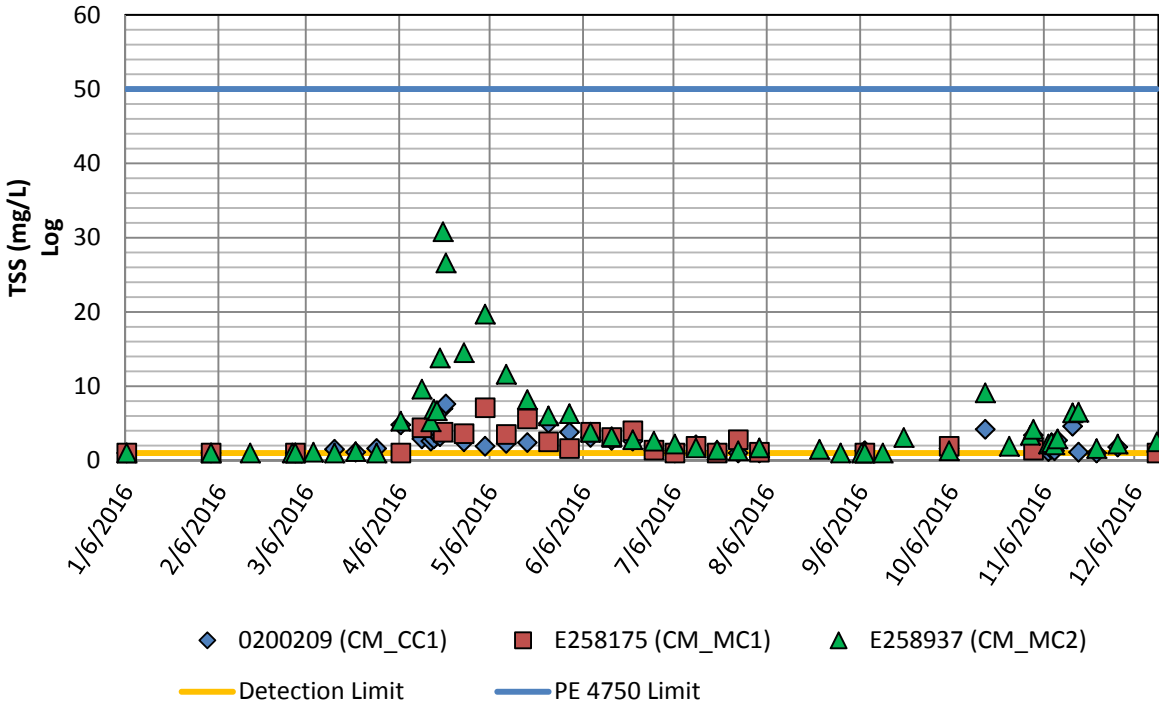


Figure 1. 2016 TSS concentrations – receiving environment

5.1.1.2 Discharge Locations

2016 TSS data for CMO’s three discharge locations are presented in Figure 2. Thirty six samples were collected at E206438 (CM_CCPD), 15 at E298733 (CM_PC2) and 34 at E102488 (CM_SPD). All samples collected in 2016 were below TSS permit limits (50 mg/L). There was zero observable flow at E298733 (CM_PC2) from approximately January to March and from July to December.

Nineteen percent of the samples (7 of 36) collected at E206438 (CM_CCPD), 87% of the samples (13 of 15) collected at E298733 (CM_PC2) and 6% of the samples (2 of 34) collected at E102488 (CM_SPD) were below the TSS DL of 1.0 mg/L.

Following are maximum TSS concentrations recorded in the discharge locations in 2016 (see Figure 3):

- 15.0 mg/L at E206438 (CM_CCPD) on April 21;
- 4.2 mg/L at E298733 (CM_PC2) on June 7; and
- 14.7 mg/L at E258937 (CM_SPD) on June 1.

In 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 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 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 zero TSS exceedances in 2016 and has historically reported only three TSS exceedances. E298733 (CM_PC2) generally only flows from April to the end of June and has never reported a TSS exceedance.

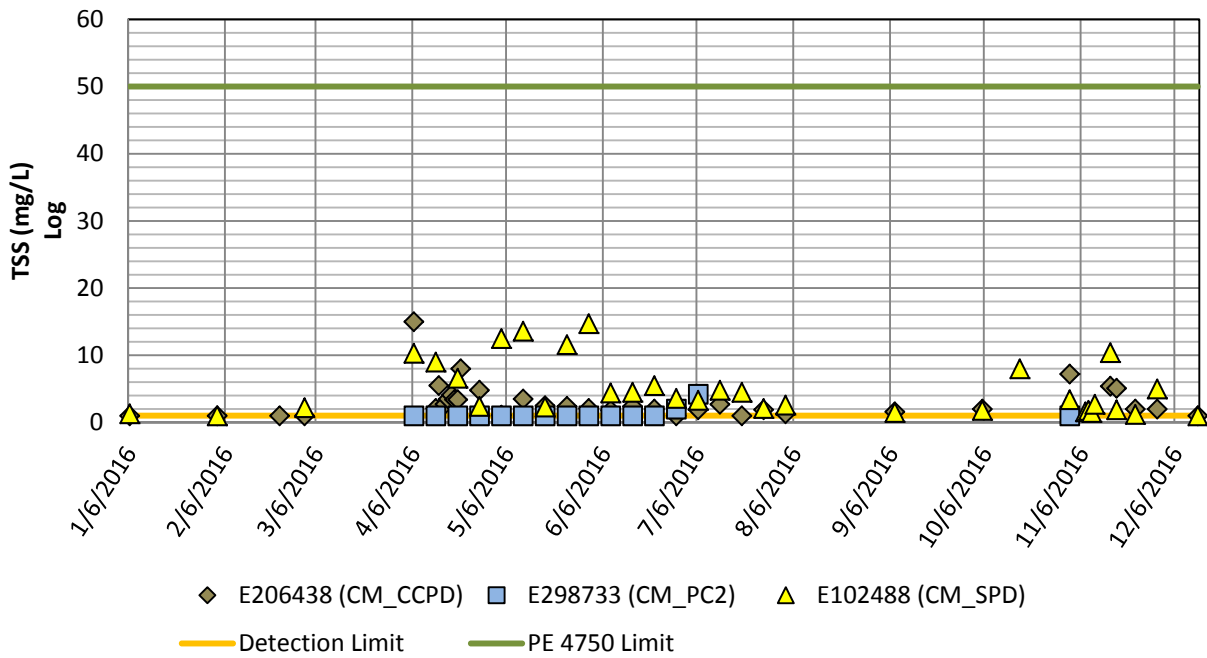


Figure 2. 2016 TSS concentrations – discharge locations

5.1.2 Extractable Petroleum hydrocarbons

5.1.2.1 Discharge Locations

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 (see Figure 3).

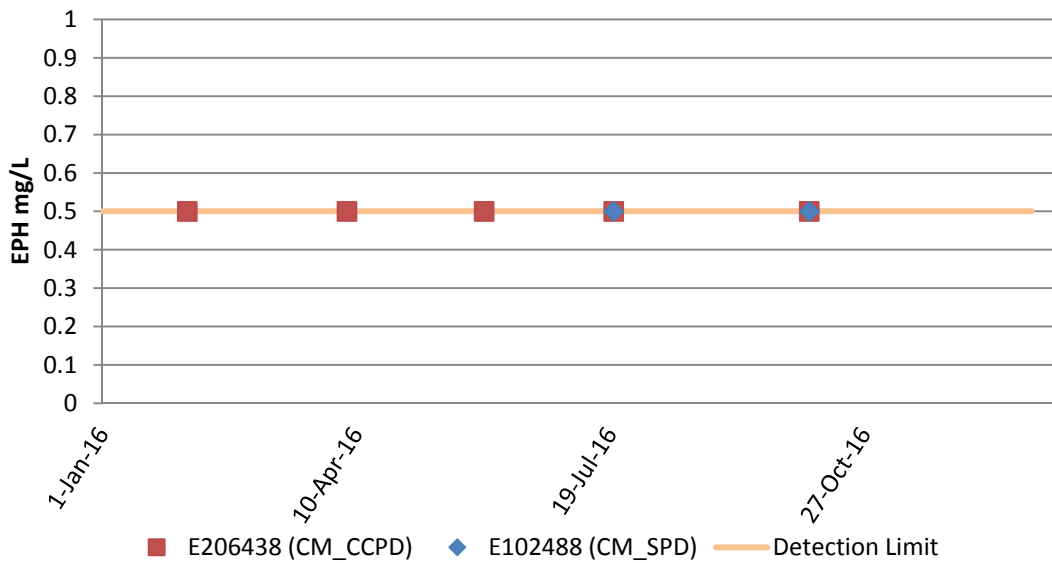


Figure 3. 2016 EPH concentrations – CM_CCPD and CM_SPD

5.1.2.2 Infiltration Sumps

All samples collected at E306116 - Ammonium Nitrate Prill Silo Sump (CM_PR-SILO) and E306136 - Emulsion Shop Sump (CM_MAX-SHOP) were below the 60 mg/L EPH permit limit (see Figure 4).

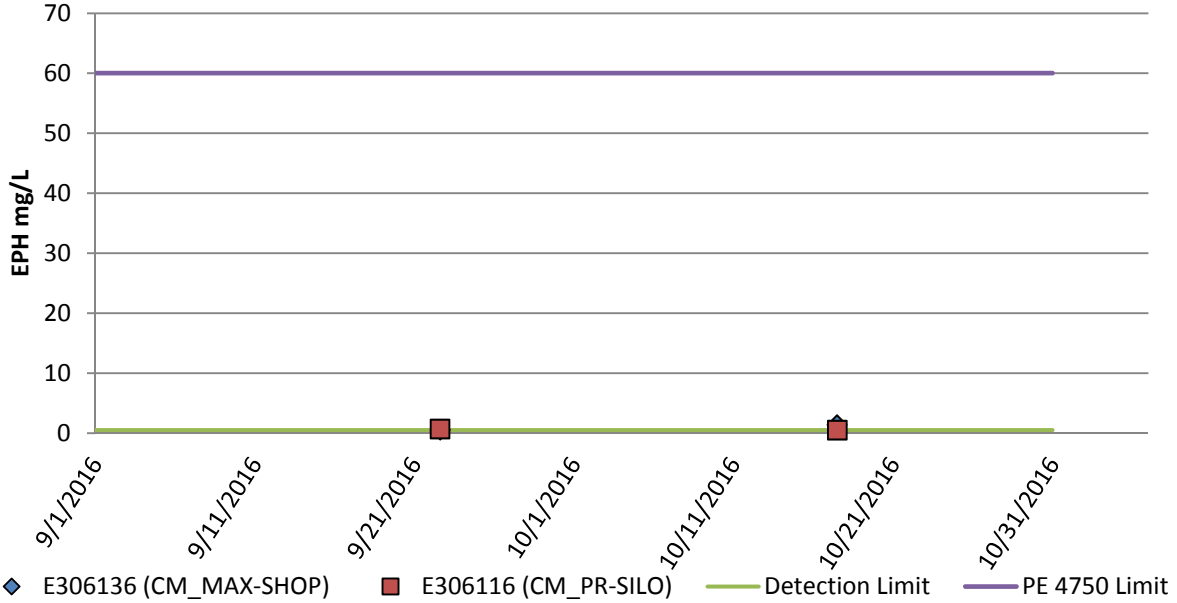


Figure 4. 2016 EPH concentrations – CM_MAXSHOP and CM_PR-SILO

5.1.2.3 Maintenance Infiltration Ponds

A total of 4 samples were collected at the effluent discharge from CMO’s maintenance facility oil-water separator E206437 (CM_WBE) (Figure 5). All results were below the 15 mg/L EPH limit. A maximum concentration of 13.3 mg/L EPH was recorded on April 6.

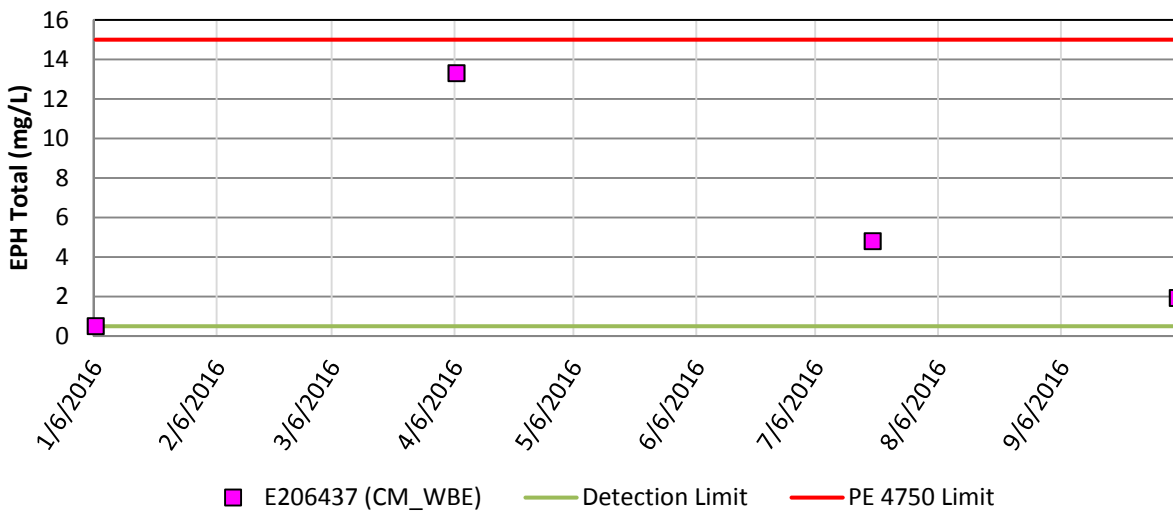


Figure 5. 2016 EPH concentrations – CM_WBE

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, all EPH concentrations were below the permit limit of 15 mg/L.

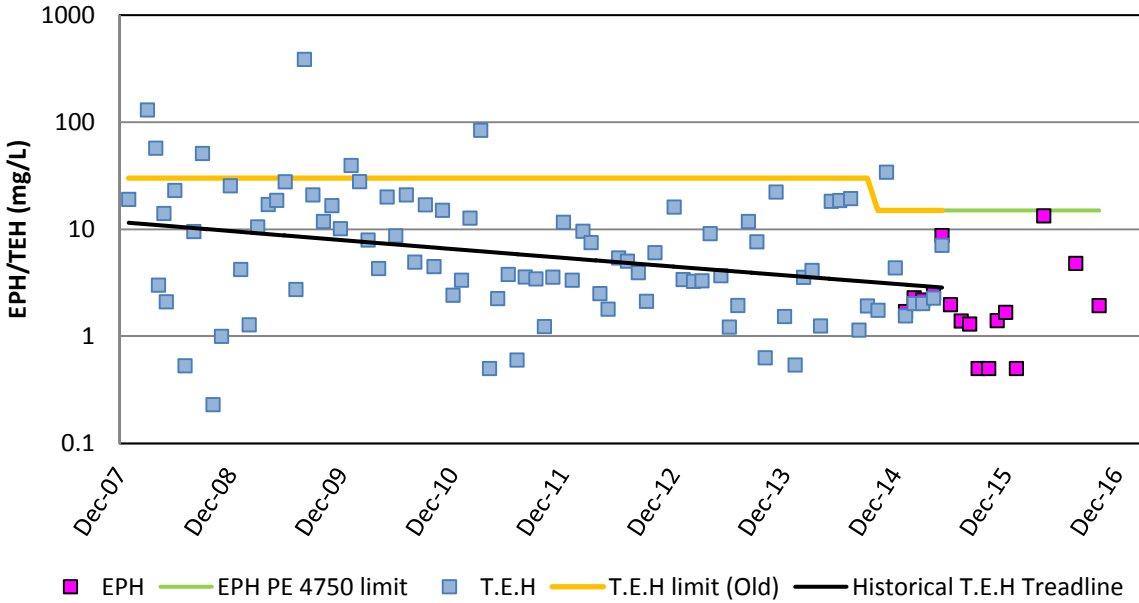


Figure 6. Historical TEH/EPH data – CM_WBE²

5.1.3 Sewage Treatment Plant (STP)

Twelve samples were collected at CM_SEW and none exceeded the TSS limit of 30 mg/L (Figure 7). Fifty percent of the samples collected (6 of 12) were below the TSS DL of 1.0 mg/L³.

² 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.

³ The May 6 TSS DL was raised to 3 mg/L due to matrix interference. TSS concentrations for this date were still below the DL.

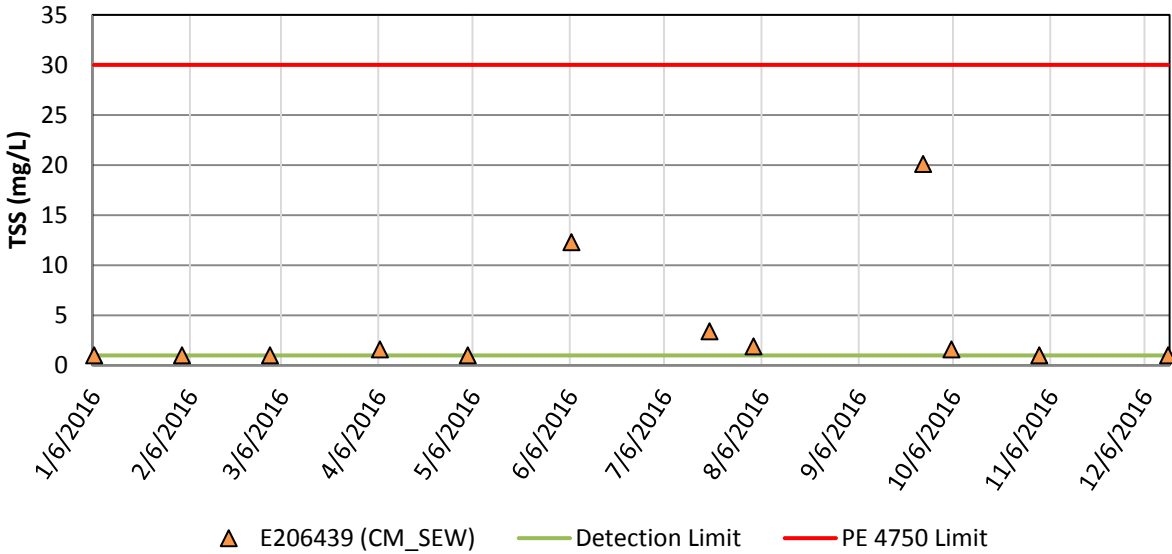


Figure 7. 2016 TSS concentrations – sewage treatment plant

All 2016 BOD₅ results for CM_SEW were below the 40 mg/L and 20 mg/L (12 month average) permit limits. Eighty two percent of the samples collected (9 of 11) were below the 2.0 mg/L BOD₅ DL (Figure 8). The maximum BOD₅ concentration for CM_SEW was 4.7 mg/L on September 26.

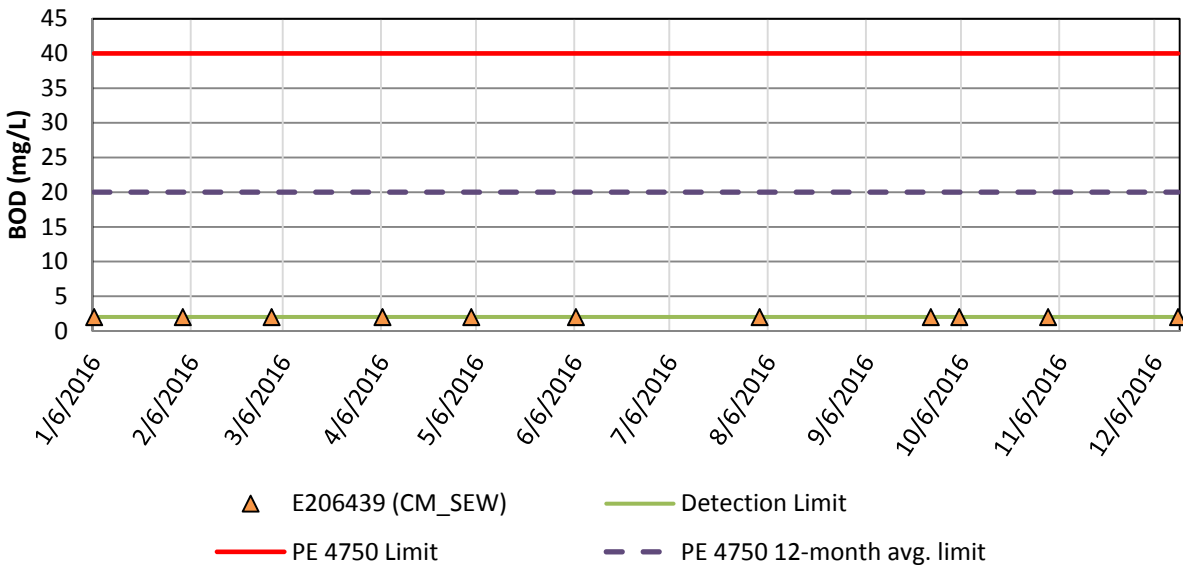


Figure 8. 2016 BOD₅ concentrations – sewage treatment plant

5.1.3.1 Historical Data (CM_SEW)

TSS and BOD₅ concentrations have been trending downwards at E206439 (CM_SEW) since 2007 (Figures 9 and 10). 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.

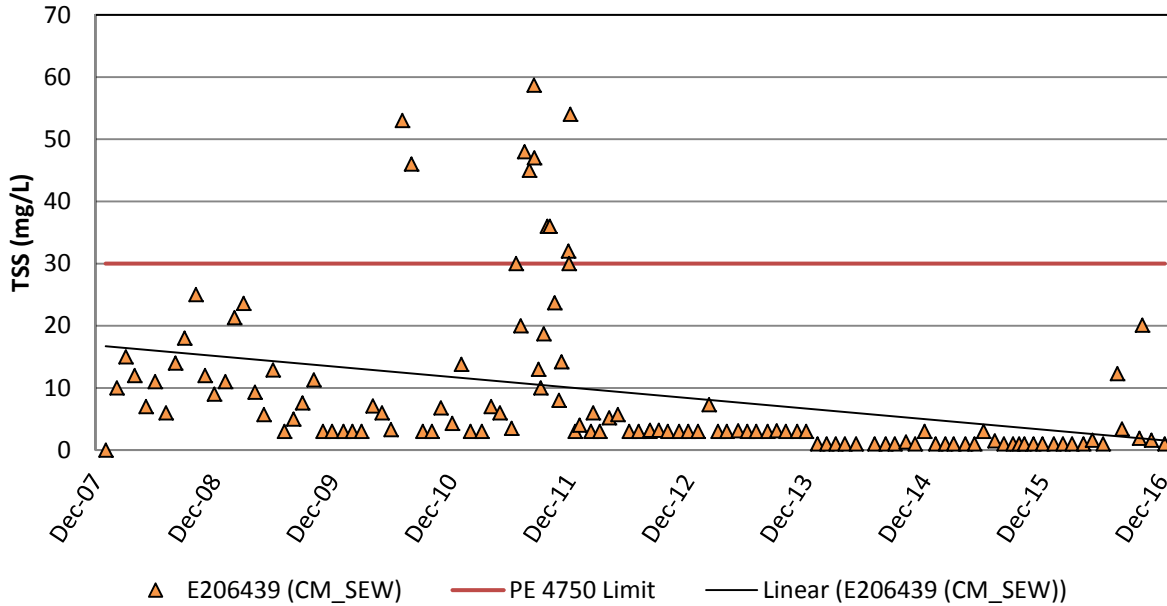


Figure 9. Historical TSS data – CM_SEW

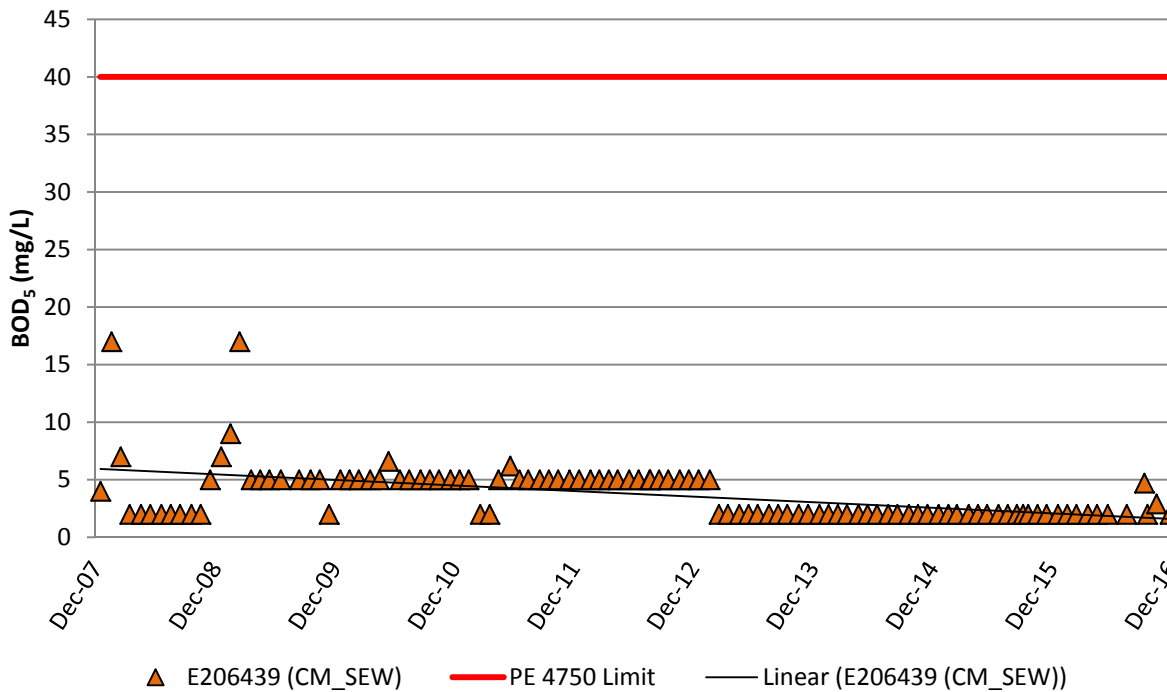


Figure 10. Historical BOD₅ data – CM_SEW

5.2 Water Quantity Results

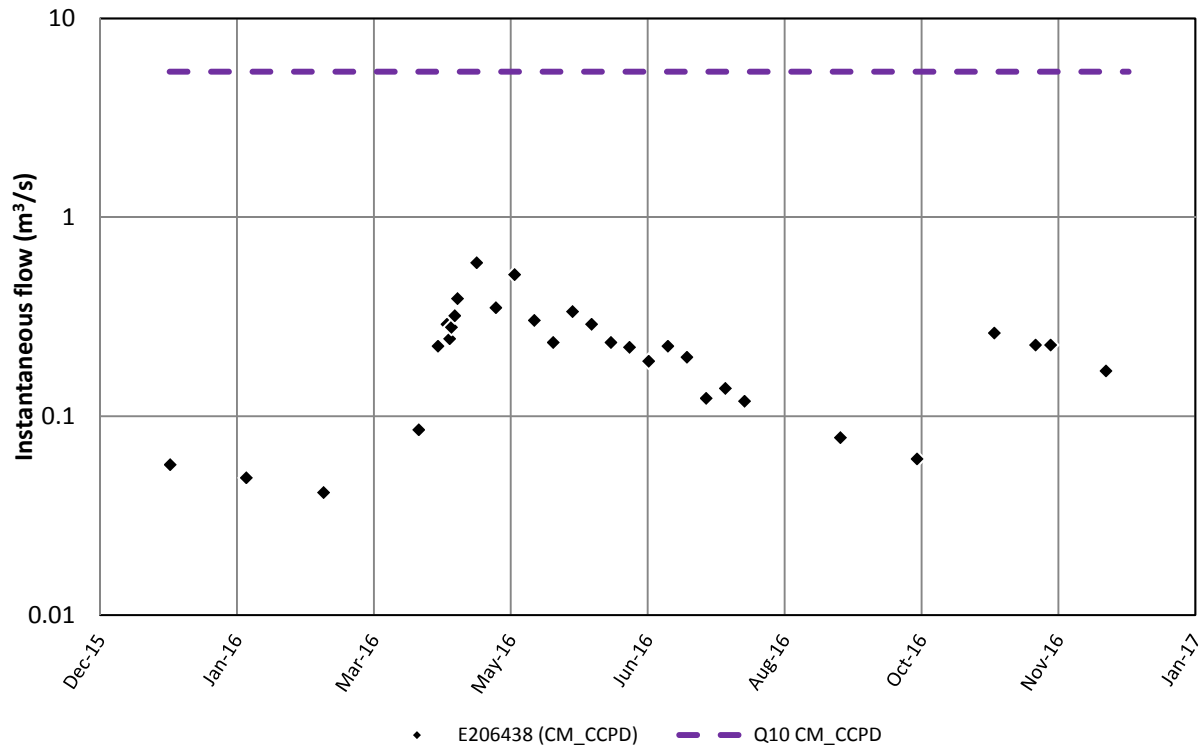
In this section, flow monitoring data are presented and compared to permit limits where applicable. The 2016 data are presented in tabular form in Appendix B.

Permit 4750 requires flow measurements at all discharge locations (see Table 8).

5.2.2 Discharge Locations

Flow data for CMO's three permitted discharge decants are presented in Figures 13 through 15.

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 $0.59 \text{ m}^3/\text{s}$ on April 27; E298733 (CM_PC2) was $0.56 \text{ m}^3/\text{s}$ on April 27 and; E102488 (CM_SPD) was $0.26 \text{ m}^3/\text{s}$ on April 13.



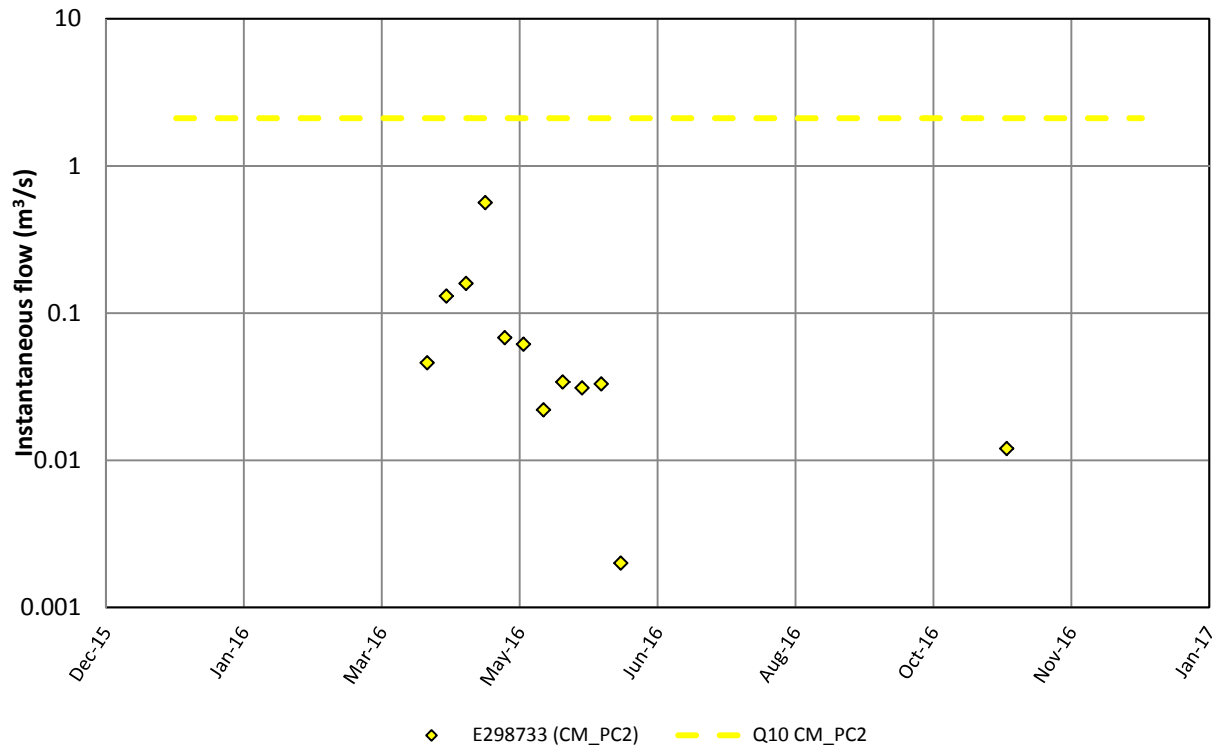


Figure 14. 2016 instantaneous flows – CM_PC2

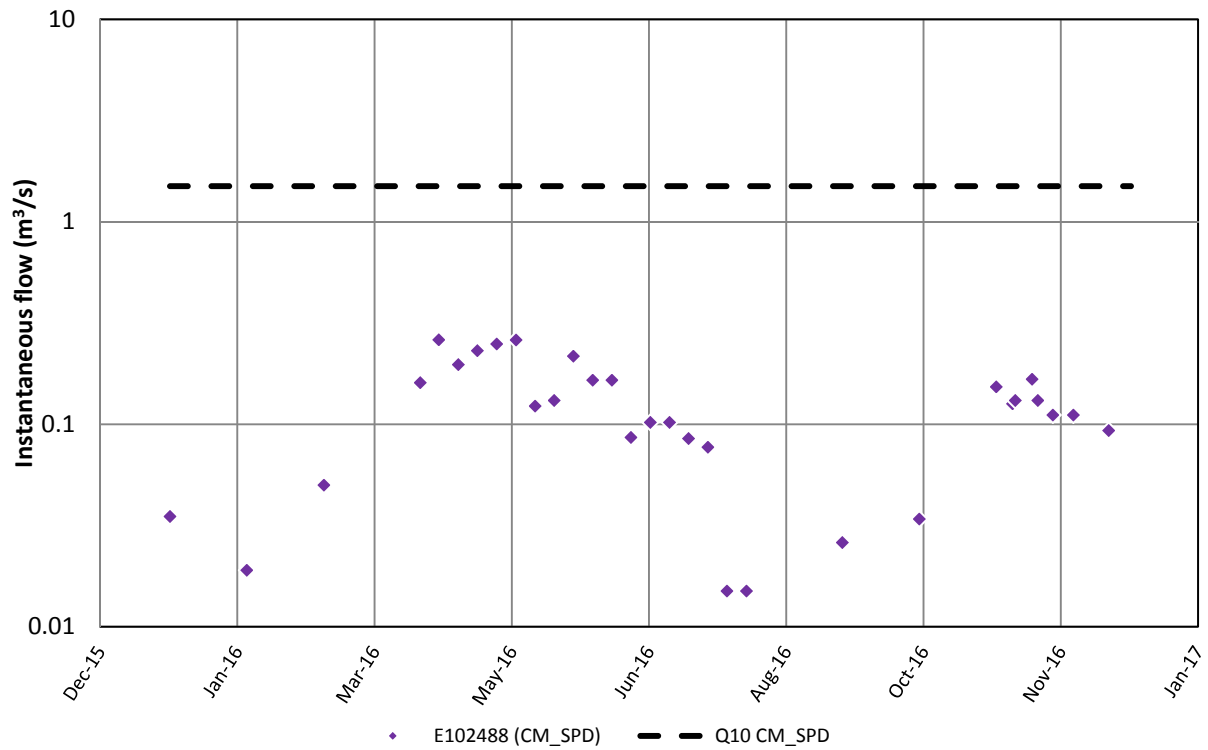


Figure 15. 2016 instantaneous flows – CM_SPD

5.2.3 Sewage Treatment Plant and Maintenance Infiltration Ponds Discharge

Flow data for E206439 (CM_SEW) and E206437 (CM_WBE) are presented in Figure 16.

In 2016, measured flow rates of CM_SEW effluent ranged from 11.1 m³/d on October 5 to 32.6 m³/d on July 20. None of the daily flows measured exceeded the permit limit of 56.8 m³/d.

Flow measurements for the Maintenance Infiltration Ponds (CM_WBE) influent ranged from 24.0 m³/d on January 6 to 50.9 m³/d on April 6. The permit limit of 120 m³/d was not exceeded.

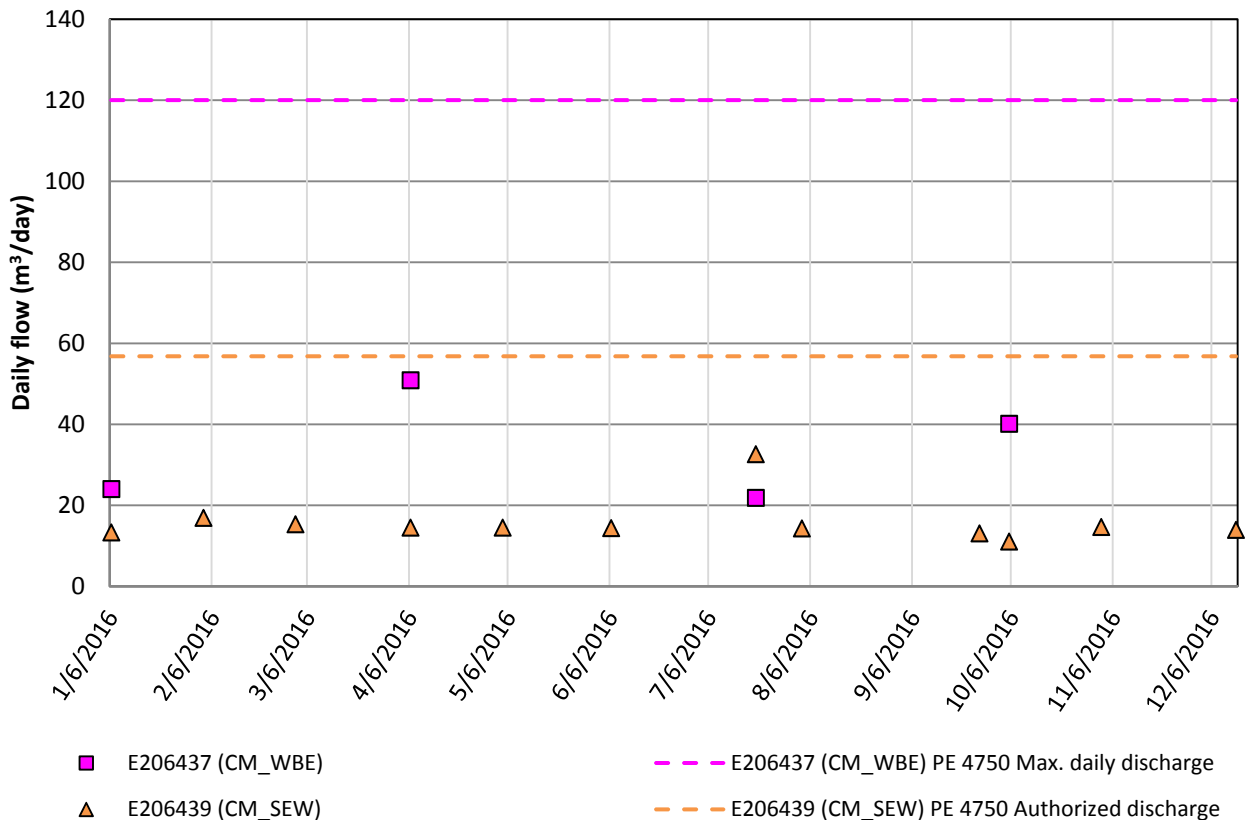


Figure 16. 2016 daily flows – CM_SEW and CM_WBE.

6 Management Plan Summary

6.1 Water Management Plan

CMO's overall water management strategy, including monitoring and maintenance activities, is incorporated into an Integrated Water Management Plan (IWMP). The IWMP is reviewed periodically by key CMO employees and is updated annually to ensure that it stays up-to-date with current practices and permit requirements.

6.1.1 Changes to Water Management in 2016

In 2016, 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 2016 were as follows:

- 1M m³ from 34 Pit; and
- 135,000 m³ from 6 Pit.

6.2 Flocculant Management Plan

In 2016, CMO continued to improve upon the North Ditch flocculant station's automation and also brought the station online so that data can be viewed remotely and alerts can be received when dosing commences.

In 2016, CMO dispensed 871L of cationic floc and 267 L of anionic floc all in accordance with approved Flocculant Management Plan (FMP) rates. All anionic floc is dispensed with water as a 3% anionic floc solution. Flocculant products used at CMO are cationic CYFLOC™ C-591 and an anionic CYFLOC A-1849RS; both flocculants are manufactured by Cytec Industries Inc. CMO also consumed six Water Lynx 494 portable flocculant blocks (manufactured by Clearflow Enviro Systems Group Inc.) in the Main Ponds system in accordance with the approved FMP.

6.3 Emulsion Facilities Water Management Plan

On September 1, CMO submitted an Emulsion Facilities Water Management Plan (or Plan) to MOE 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, E306116 (Ammonium Nitrate Prill Silo sump) and E306136 (Emulsion Shop sump) were sized to store runoff from a 12 hour Q₁₀ 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.

7 Summary and Conclusions

This report summarizes Teck Coal Limited – Coal Mountain Operations 2016 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.

TSS concentrations were below permit limits of 50 mg/L for all discharge locations.

TSS and BOD₅ 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 2016, CMO dispensed 871 L of cationic flocculant and 267 L of anionic flocculant. All anionic flocculant is dispensed with water as a 3% anionic floc solution.

During 2016, seven 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 flow measurement structure installations in the West Ditch and downstream of the Corbin Creek Rock Drain, as well as continued improvements to the automation of the flocculant station on the North Ditch.

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.

Appendix A – QAQC Data

2016 Field blank summary.

Analyte	Total Suspended Solids, Lab	Turbidity, Lab
Analytic Method	SM2540D	E180.1
Unit	mg/L	NTU
Date	Result	Result
1/6/2016	< 1.0	< 0.10
2/3/2016	< 1.0	< 0.10
3/2/2016	< 1.0	0.12
4/13/2016	< 1.0	< 0.10
4/17/2016	< 1.0	< 0.10
4/20/2016	< 1.0	0.22
4/27/2016	< 1.0	< 0.10
5/4/2016	< 1.0	< 0.10
5/11/2016	< 1.0	< 0.10
5/18/2016	< 1.0	< 0.10
5/25/2016	< 1.0	< 0.10
6/1/2016	< 1.0	< 0.10
6/8/2016	< 1.0	< 0.10
6/15/2016	< 1.0	< 0.10
6/22/2016	< 1.0	< 0.10
6/29/2016	< 1.0	< 0.10
7/6/2016	< 1.0	< 0.10
7/13/2016	< 1.0	< 0.10
7/20/2016	< 1.0	< 0.10
7/27/2016	< 1.0	< 0.10
8/3/2016	< 1.0	< 0.10
9/7/2016	< 1.0	0.1
10/5/2016	< 1.0	< 0.10
11/2/2016	< 1.0	< 0.10
11/30/2016	< 1.0	< 0.10
12/13/2016	< 1.0	< 0.10

Relative Percent Difference (RPD)

		Location: CM_CC1			CM_CC1			CM_CC1					
		Sample ID: CM_CC1_M_WS_20160203_N			CM_NNP_WS_20160203_033			CM_NNP_WS_20160203_033					
		Date Sampled: 2/3/2016			2/3/2016			2/3/2016					
		Sample Type: Primary			Secondary			Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0		<1	0.0%	0.00%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.25		0.21	17.4%	17.39%	0.00%	Pass	Pass	Pass

		Location: CM_CC1			CM_CC1			CM_CC1					
		Sample ID: CM_CC1_M_WS_20160302_N			CM_NNP_WS_20160302_035			CM_NNP_WS_20160302_035					
		Date Sampled: 3/2/2016			3/2/2016			3/2/2016					
		Sample Type: Primary			Secondary			Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0		1.1	9.5%	9.52%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.97		0.96	1.0%	1.04%	0.00%	Pass	Pass	Pass

		Location: CM_CC1			CM_CC1			CM_CC1					
		Sample ID: CM_CC1_M_WS_20160706_N			CM_NNP_WS_20160706_169			CM_NNP_WS_20160706_169					
		Date Sampled: 7/6/2016			7/6/2016			7/6/2016					
		Sample Type: Primary			Secondary			Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0		1.9	62.1%	62.07%	0.00%	Pass-1	Pass-1	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.65		0.74	12.9%	12.95%	0.00%	Pass	Pass	Pass

		Location: CM_CC1			CM_CC1			CM_CC1					
		Sample ID: CM_CC1_M_WS_20160803_N			CM_NNP_WS_20160803_177			CM_NNP_WS_20160803_177					
		Date Sampled: 8/3/2016			8/3/2016			8/3/2016					
		Sample Type: Primary			Secondary			Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0		2.3	78.8%	78.79%	0.00%	Pass-1	Pass-1	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.40		0.42	4.9%	4.88%	0.00%	Pass	Pass	Pass

		Location: CM_CC1			CM_CC1			CM_CC1					
		Sample ID: CM_CC1_M_WS_20161213_N			CM_NNP_WS_20161213_209			CM_NNP_WS_20161213_209					
		Date Sampled: 12/13/2016			12/13/2016			12/13/2016					
		Sample Type: Primary			Secondary			Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.1		<1	9.5%	9.52%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.10		1.23	11.2%	11.16%	0.00%	Pass	Pass	Pass

		Location: CM_CC1			CM_CC1			CM_CC1					
		Sample ID: CM_CC1_MON_WS_20160106_N			CM_NNP_WS_20160106_031			CM_NNP_WS_20160106_031					
		Date Sampled: 1/6/2016			1/6/2016			1/6/2016					
		Sample Type: Primary			Secondary			Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0		<1	0.0%	0.00%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.31		0.3	3.3%	3.28%	0.00%	Pass	Pass	Pass

		Location: CM_CC1			CM_CC1			CM_CC1					
		Sample ID: CM_CC1_WKLY_WS_20160413_N			CM_NNP_WS_2016_04_13_059			CM_NNP_WS_2016_04_13_059					
		Date Sampled: 4/13/2016			4/13/2016			4/13/2016					
		Sample Type: Primary			Secondary			Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.9		5	53.2%	53.16%	0.00%	Pass-1	Fail	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	3.66		4.95	30.0%	29.97%	0.00%	Pass-2	Pass-2	Pass

		Location: CM_CC1			CM_CC1			CM_CC1					
		Sample ID: CM_CC1_WKLY_WS_20160420_N			CM_NNP_WS_2016_04_20_061			CM_NNP_WS_2016_04_20_061					
		Date Sampled: 4/20/2016			4/20/2016			4/20/2016					
		Sample Type: Primary			Secondary			Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	7.0		8	13.3%	13.33%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	4.79		4	18.0%	17.97%	0.00%	Pass	Pass	Pass

					Location:	CM_CC1	CM_CC1	CM_CC1					
					Sample ID:	CM_CC1_WKLY_WS_20160427_N	CM_NNP_WS_2016_04_27_063	CM_NNP_WS_2016_04_27_063					
					Date Sampled:	4/27/2016	4/27/2016	4/27/2016					
					Sample Type:	Primary	Secondary	Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.5	2.3	2.3	8.3%	8.33%	0.00%	Pass	Pass	Pass
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.5	2.3	1	8.3%	85.71%	78.79%	Pass	Pass-1	Pass-1
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.16	1.21	1.21	4.2%	4.22%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.16	1.21	0.1	4.2%	168.25%	169.47%	Pass	Fail	Pass-1

					Location:	CM_CC1	CM_CC1	CM_CC1					
					Sample ID:	CM_CC1_WKLY_WS_20160511_N	CM_NNP_WKLY_WS_20160511_133	CM_NNP_WKLY_WS_20160511_133					
					Date Sampled:	5/11/2016	5/11/2016	5/11/2016					
					Sample Type:	Primary	Secondary	Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	2.3	3.3	3.3	35.7%	35.71%	0.00%	Pass-1	Pass-1	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	2.25	2.43	2.43	7.7%	7.69%	0.00%	Pass	Pass	Pass

					Location:	CM_CCPD	CM_CCPD	CM_CCPD					
					Sample ID:	CM_CCPD_WS_20160608_N	CM_NNP_WKLY_WS_20160608_186	CM_NNP_WKLY_WS_20160608_186					
					Date Sampled:	6/8/2016	6/8/2016	6/8/2016					
					Sample Type:	Primary	Secondary	Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.8	<1	<1	57.1%	57.14%	0.00%	Pass-1	Pass-1	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.93	0.93	0.93	0.0%	0.00%	0.00%	Pass	Pass	Pass

					Location:	CM_CCPD	CM_CCPD	CM_CCPD					
					Sample ID:	CM_CCPD_WS_20160727_N	CM_NNP_WKLY_WS_20160727_221	CM_NNP_WKLY_WS_20160727_221					
					Date Sampled:	7/27/2016	7/27/2016	7/27/2016					
					Sample Type:	Primary	Secondary	Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.9	2	2	5.1%	5.13%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.04	1.24	1.24	17.5%	17.54%	0.00%	Pass	Pass	Pass

					Location:	CM_MC2	CM_MC2	CM_MC2					
					Sample ID:	CM_MC2_WS_20160416_N	CM_NNP_WS_20160416_N	CM_NNP_WS_20160416_N					
					Date Sampled:	4/16/2016	4/16/2016	4/16/2016					
					Sample Type:	Primary	Secondary	Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	5.2	4.9	4.9	5.9%	5.94%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	3.93	3.36	3.36	15.6%	15.64%	0.00%	Pass	Pass	Pass

					Location:	CM_PC2	CM_PC2	CM_PC2					
					Sample ID:	CM_PC2_M_WS_20160504_N	CM_NNP_WS_20160504_096	CM_NNP_WS_20160504_096					
					Date Sampled:	5/4/2016	5/4/2016	5/4/2016					
					Sample Type:	Primary	Secondary	Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	<1	<1	0.0%	0.00%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.18	0.18	0.18	0.0%	0.00%	0.00%	Pass	Pass	Pass

					Location:	CM_PC2	CM_PC2	CM_PC2					
					Sample ID:	CM_PC2_M_WS_20161102_N	CM_NNP_WS_20161102_201	CM_NNP_WS_20161102_201					
					Date Sampled:	11/2/2016	11/2/2016	11/2/2016					
					Sample Type:	Primary	Secondary	Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	< 1.0	<1	<1	0.0%	0.00%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	0.20	0.23	0.23	14.0%	13.95%	0.00%	Pass	Pass	Pass

					Location:	CM_SPD	CM_SPD	CM_SPD					
					Sample ID:	CM_SPD_M_WS_20160907_N	CM_NNP_WS_20160907_185	CM_NNP_WS_20160907_185					
					Date Sampled:	9/7/2016	9/7/2016	9/7/2016					
					Sample Type:	Primary	Secondary	Tertiary					
Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.5	2.1	2.1	33.3%	33.33%	0.00%	Pass-1	Pass-1	Pass

TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.44	1.77	1.77	20.6%	20.56%	0.00%	Pass-2	Pass-2	Pass
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Location:	CM_SPD	CM_SPD	CM_SPD
Sample ID:	CM_SPD_M_WS_20161005_N	CM_NNP_WS_20161005_193	CM_NNP_WS_20161005_193
Date Sampled:	10/5/2016	10/5/2016	10/5/2016
Sample Type:	Primary	Secondary	Tertiary

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	1.8	2.3	2.3	24.4%	24.39%	0.00%	Pass-1	Pass-1	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	1.77	2.16	2.16	19.8%	19.85%	0.00%	Pass	Pass	Pass

Location:	CM_SPD	CM_SPD	CM_SPD
Sample ID:	CM_SPD_WS_20161130_N	CM_NNP_WS_20161130_004	CM_NNP_WS_20161130_004
Date Sampled:	11/30/2016	11/30/2016	11/30/2016
Sample Type:	Primary	Secondary	Tertiary

Analyte	Detection Limit Pri.	Detection Limit Dup.	Detection Limit Tri.	Units				Primary vs. Duplicate	Primary vs. Triplicate	Duplicate v. Triplicate	Category1	Category2	Category3
TOTAL SUSPENDED SOLIDS, LAB	1	1	1	mg/l	5.0	5.4	5.4	7.7%	7.69%	0.00%	Pass	Pass	Pass
TURBIDITY, LAB	0.1	0.1	0.1	ntu	8.48	8.88	8.88	4.6%	4.61%	0.00%	Pass	Pass	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 – 2016 Monitoring Data

1. 2016 Flow data (m³/s) – Discharge Locations

Site ID	CM_CCPD	CM_PC2	CM_SPD
EMS Code	E206438	E298733	E102488
1/6/16			0.84
1/6/16	0.50		
2/3/16	0.74		
2/3/16			1.04
2/23/16	0.60		
3/2/16			4.96
3/2/16	0.86		
4/6/16		0.23	
4/6/16	11.60		
4/6/16			5.49
4/13/16		0.26	
4/13/16	2.89		
4/13/16			16.40
4/14/16	8.62		
4/16/16	4.73		
4/17/16	7.66		
4/18/16	7.99		
4/19/16	5.60		
4/20/16			7.17
4/20/16		0.46	
4/20/16	6.58		
4/21/16	8.81		
4/27/16			1.36
4/27/16		0.19	
4/27/16	1.94		
5/4/16			5.11
5/4/16		0.18	
5/4/16	1.12		
5/11/16		0.16	
5/11/16	5.41		
5/11/16			11.60
5/18/16			0.71
5/18/16		0.14	
5/18/16	1.92		
5/25/16			13.30
5/25/16	2.59		
5/25/16		0.19	
6/1/16			4.58
6/1/16	2.00		
6/1/16		0.15	
6/8/16			1.47

Site ID	CM CCPD	CM PC2	CM SPD
EMS Code	E206438	E298733	E102488
6/8/16	0.93		
6/8/16		0.16	
6/15/16			1.92
6/15/16	1.40		
6/15/16		0.16	
6/22/16		0.15	
6/22/16	1.14		
6/22/16			2.42
6/29/16		0.43	
6/29/16	1.47		
6/29/16			3.52
7/6/16		0.33	
7/6/16	1.45		
7/6/16			1.27
7/13/16	1.42		
7/13/16			2.51
7/20/16	1.03		
7/20/16			1.76
7/27/16	1.04		
7/27/16			1.27
8/3/16	0.79		
8/3/16			1.43
9/7/16	2.15		
9/7/16			1.44
10/5/16	1.39		
10/5/16			1.77
10/17/16			9.47
11/2/16			6.30
11/2/16		0.20	
11/2/16	11.40		
11/7/16			2.80
11/8/16			0.78
11/9/16			2.36
11/10/16			1.98
11/15/16			17.00
11/15/16	7.82		
11/17/16			2.41
11/17/16	5.77		
11/23/16			2.21
11/23/16	3.41		
11/30/16	3.74		
11/30/16			8.48
12/13/16	1.25		
12/13/16			1.82
Minimum	0.50	0.14	0.71
Maximum	11.60	0.46	17.00
Mean	3.60	0.23	4.38

Median	1.97	0.19	2.39
Standard Deviation	3.25	0.10	4.44
Sample size	27	19	27

2. 2016 TSS & Turbidity Data – Discharge Locations

Parameter	TOTAL SUSPENDED SOLIDS (TSS)			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						
1/6/2016			1.3			0.84
1/6/2016	1.0			0.5		
2/3/2016	1.0			0.74		
2/3/2016			1.0			1.04
2/23/2016	1.0			0.6		
3/2/2016			2.2			4.96
3/2/2016	1.0			0.86		
4/6/2016		1.0			0.23	
4/6/2016	15.0			11.6		
4/6/2016			10.3			5.49
4/13/2016		1.0			0.26	
4/13/2016	2.1			2.89		
4/13/2016			9.0			16.4
4/14/2016	5.5			8.62		
4/16/2016	2.7			4.73		
4/17/2016	3.5			7.66		
4/18/2016	4.1			7.99		
4/19/2016	3.4			5.6		
4/20/2016			6.6			7.17
4/20/2016		1.0			0.46	
4/20/2016	3.4			6.58		
4/21/2016	8.0			8.81		
4/27/2016			2.4			1.36
4/27/2016		1.0			0.19	
4/27/2016	4.8			1.94		
5/4/2016			12.5			5.11
5/4/2016		1.0			0.18	
5/4/2016	1.1			1.12		
5/11/2016		1.0			0.16	
5/11/2016	3.5			5.41		
5/11/2016			13.6			11.6
5/18/2016			2.3			0.71
5/18/2016		1.0			0.14	

Parameter	TOTAL SUSPENDED SOLIDS (TSS)			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
5/18/2016	2.5			1.92		
5/25/2016			11.6			13.3
5/25/2016	2.4			2.59		
5/25/2016		1.0			0.19	
6/1/2016			14.7			4.58
6/1/2016	2.1			2		
6/1/2016		1.0			0.15	
6/8/2016			4.4			1.47
6/8/2016	1.8			0.93		
6/8/2016		1.0			0.16	
6/15/2016			4.5			1.92
6/15/2016	2.4			1.4		
6/15/2016		1.0			0.16	
6/22/2016		1.0			0.15	
6/22/2016	2.0			1.14		
6/22/2016			5.5			2.42
6/29/2016		2.0			0.43	
6/29/2016	1.0			1.47		
6/29/2016			3.6			3.52
7/6/2016		4.2			0.33	
7/6/2016	1.9			1.45		
7/6/2016			3.3			1.27
7/13/2016	2.7			1.42		
7/13/2016			4.8			2.51
7/20/2016	1.0			1.03		
7/20/2016			4.5			1.76
7/27/2016	1.9			1.04		
7/27/2016			2.1			1.27
8/3/2016	1.3			0.79		
8/3/2016			2.6			1.43
9/7/2016	1.6			2.15		
9/7/2016			1.5			1.44
10/5/2016	2.0			1.39		
10/5/2016			1.8			1.77
10/17/2016			8.0			9.47
11/2/2016			3.4			6.3
11/2/2016		1.0			0.2	
11/2/2016	7.2			11.4		
11/7/2016			1.6			2.8
11/8/2016			1.8			0.78
11/9/2016			1.5			2.36
11/10/2016			2.7			1.98
11/15/2016			10.4			17

Parameter	TOTAL SUSPENDED SOLIDS (TSS)			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
11/15/2016	5.4			7.82		
11/17/2016			1.9			2.41
11/17/2016	5.1			5.77		
11/23/2016			1.2			2.21
11/23/2016	2.0			3.41		
11/30/2016	2.0			3.74		
11/30/2016			5.0			8.48
12/13/2016	1.0			1.25		
12/13/2016			1.0			1.82
Minimum	1.0	1.0	1.0	0.50	0.14	0.71
Maximum	15.0	4.2	14.7	11.60	0.46	17.00
Mean	3.1	1.3	4.8	3.6	0.2	4.4
Median	2.1	1.0	3.4	2.0	0.2	2.4
Standard Deviation	2.7	0.8	4.0	3.2	0.1	4.4
Sample size	36	15	34	36	15	34
Non detects	7	13	2	0	0	0
% Non detects	19.4	86.7	5.9	0.0	0.0	0.0
DL	1.0	1.0	1.0	0.1	0.1	0.1

3. 2016 EPH – CM_CCPD & CM_SPD

Parameter	EPH	
Unit	mg/L	
Site ID	CM_CCPD	CM_SPD
EMS Code	E206438	E102488
2/23/2016	< 0.5	
4/6/2016	< 0.5	
5/30/2016	< 0.5	
7/20/2016	< 0.5	< 0.5
10/5/2016	< 0.5	< 0.5
Minimum	< 0.5	< 0.5
Maximum	< 0.5	< 0.5
Mean	< 0.5	< 0.5
Median	< 0.5	< 0.5
Standard Dev.	0.0	0.0
Sample size	4	2
Non detects	4	2
% Non detects	100	100
DL	0.5	0.5

4. 2016 Flow data – CM_MC1

Site ID	CM_MC1
EMS Code	E258175
Date	
1/6/2016	0.043
2/3/2016	0.043
3/2/2016	0.027
4/6/2016	0.116
4/13/2016	0.413
4/20/2016	0.764
4/27/2016	0.730
5/4/2016	0.838
5/11/2016	0.629
5/18/2016	0.525
5/25/2016	0.640
6/1/2016	0.545
6/8/2016	0.488
6/15/2016	0.218
6/22/2016	0.150
6/29/2016	0.102
7/6/2016	0.086
7/13/2016	0.071
7/20/2016	0.071
7/27/2016	0.058
8/3/2016	0.038
9/7/2016	0.033
10/5/2016	0.054
11/2/2016	0.429
12/13/2016	0.139
Minimum	0.027
Maximum	0.838
Mean	0.290
Median	0.139
Standard Deviation	0.276
Sample size	25

5. 2016 TSS & Turbidity data – Receiving Environment

Parameter	TOTAL SUSPENDED SOLIDS			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						
1/6/2016		1.0			0.15	
1/6/2016	1.0			0.31		
1/6/2016			1.0			0.27
2/3/2016			1.0			0.14
2/3/2016	1.0			0.25		
2/3/2016		1.0			0.13	
2/16/2016			1.0			0.34
2/23/2016						
3/1/2016			1.0			0.57
3/2/2016		1.0			0.24	
3/2/2016			1.0			0.4
3/2/2016	1.0			0.97		
3/8/2016			1.1			0.86
3/15/2016			1.0			0.63
3/15/2016	1.5			1.95		
3/22/2016			1.2			0.88
3/22/2016	1.1			1.68		
3/29/2016			1.0			0.33
3/29/2016	1.6			1.02		
4/6/2016		1.0			0.37	
4/6/2016			5.3			1.87
4/6/2016	4.8			2.73		
4/13/2016		4.4			2.68	
4/13/2016	2.9			3.66		
4/13/2016			9.6			5.63
4/16/2016	2.6			3.2		
4/16/2016			5.2			3.93
4/17/2016	2.9			4.33		
4/17/2016			6.9			4.69
4/18/2016	3.5			6.01		
4/18/2016			6.7			4.9
4/19/2016	3.2			2.42		
4/19/2016			13.8			7.39
4/20/2016			30.8			15.2
4/20/2016		3.8			4.03	
4/20/2016	7.0			4.79		
4/21/2016	7.6			3.98		
4/21/2016			26.6			15
4/27/2016			14.5			6.51
4/27/2016		3.6			2.43	

Parameter	TOTAL SUSPENDED SOLIDS			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
4/27/2016	2.5			1.16		
5/4/2016		7.1			4.41	
5/4/2016	1.9			1.49		
5/4/2016			19.7			10.9
5/11/2016		3.5			2.51	
5/11/2016			11.6			6.46
5/11/2016	2.3			2.25		
5/18/2016		5.6			1.63	
5/18/2016	2.4			0.91		
5/18/2016			8.2			2.54
5/25/2016		2.5			2.02	
5/25/2016	5.0			2.39		
5/25/2016			6.0			3.3
6/1/2016		1.6			1.37	
6/1/2016	3.8			1.56		
6/1/2016			6.3			2.1
6/8/2016		3.8			1.51	
6/8/2016			3.8			7.58
6/8/2016	3.1			0.59		
6/15/2016		3.1			0.64	
6/15/2016	2.7			1.01		
6/15/2016			3.2			1.67
6/22/2016		4.0			0.39	
6/22/2016	2.6			0.53		
6/22/2016			2.8			0.79
6/29/2016	1.6			1.13		
6/29/2016		1.4			0.44	
6/29/2016			2.6			1.24
7/6/2016	1.0			0.65		
7/6/2016		1.0			0.24	
7/6/2016			2.2			0.51
7/13/2016	2.1			1.16		
7/13/2016		1.9			0.54	
7/13/2016			1.7			0.63
7/20/2016		1.0			0.21	
7/20/2016	1.3			0.54		
7/20/2016			1.4			0.46
7/27/2016		2.8			0.39	
7/27/2016	1.0			0.39		
7/27/2016			1.3			0.48
8/3/2016	1.0			0.4		
8/3/2016		1.1			0.22	
8/3/2016			1.7			0.45

Parameter	TOTAL SUSPENDED SOLIDS			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
8/3/2016						
8/23/2016			1.5			0.37
8/30/2016			1.0			0.67
9/6/2016			1.0			0.41
9/7/2016	1.3			0.58		
9/7/2016		1.0			0.15	
9/7/2016			1.0			0.35
9/13/2016			1.0			0.28
9/20/2016			3.1			0.83
10/5/2016		1.9			0.84	
10/5/2016	1.6			0.46		
10/5/2016			1.3			0.35
10/17/2016			9.1			3.75
10/17/2016	4.2			3.16		
10/25/2016			1.9			0.68
11/1/2016			3.4			2.67
11/2/2016		1.4			1.72	
11/2/2016			4.2			3.42
11/2/2016	3.4			3.41		
11/7/2016	1.2			1.48		
11/7/2016			2.2			1.99
11/8/2016			2.4			1.8
11/8/2016	1.5			1.22		
11/9/2016			2.1			1.63
11/9/2016	1.3			1.24		
11/10/2016	2.7			1.07		
11/10/2016			2.9			1.78
11/15/2016			6.4			5.66
11/15/2016	4.6			5.86		
11/17/2016			6.5			2.64
11/17/2016	1.1			0.91		
11/23/2016			1.6			1.11
11/23/2016	1.0			1.02		
11/30/2016			2.2			1.67
11/30/2016	1.8			2.58		
12/13/2016		1.0			0.42	
12/13/2016	1.1			1.1		
12/13/2016			2.5			1.14
Minimum	1.0	1.0	1.0	0.25	0.13	0.14
Maximum	7.6	7.1	30.8	6.01	4.41	15.2
Mean	2.4	2.5	5.0	1.85	1.19	2.73
Median	2.0	1.9	2.5	1.19	0.54	1.44
Standard	1.6	1.7	6.3	1.5	1.23	3.44

Deviation						
Sample size	42	25	52	42	25	52
Non detects	7	8	11	0	0	0
% Non detects	16.7	32.0	21.2	0	0	0
DL	1.0	1.0	1.0	0.10	0.10	0.10

6. 2016 E206437 (CM_WBE) Data

Parameter	Daily Flow	EPH Total
Unit	m³/day	mg/L
1/6/2016	24.0	0.5
4/6/2016	50.9	13.3
7/20/2016	21.9	4.8
10/5/2016	40.1	1.93
Minimum	21.9	0.5
Maximum	50.9	13.3
Mean	34.2	5.1
Median	32.1	3.4
Standard Dev.	13.8	5.7
Sample size	4	4
Non detects	n/a	1
% Non detects	n/a	25.0
DL	n/a	0.5

7. 2016 E206439 (CM_SEW) Data

Parameter	Turbidity	TSS	BOD₅	Daily Flow
Unit	NTU	mg/L	mg/L	m³/day
1/6/2016	0.13	< 1.0	< 2.0	13.3
2/3/2016	0.12	< 1.0	< 2.0	16.9
3/2/2016	0.94	< 1.0	< 2.0	15.3
4/6/2016	1.08	1.6	< 2.0	14.5
5/4/2016	0.43	< 1.0	< 2.0	14.5
6/6/2016	8.12	12.3	< 2.0	14.4
7/20/2016	1.14	3.4	< 2.0	32.6
8/3/2016	0.27	1.9	< 2.0	14.3
9/26/2016	10.4	20.1	4.7	13.1
10/5/2016	1.45	1.6	< 2.0	11.1
11/2/2016	0.42	< 1.0	2.9	14.7
12/13/2016	0.16	< 1.0	< 2.0	13.9
Minimum	0.13	1.0	2.0	11.1
Maximum	10.4	20.1	4.7	32.6
Mean	2.1	3.9	2.33	15.7
Median	0.7	1.3	2.0	14.4
Standard Deviation	3.43	6.02	0.83	5.50

Sample size	12	12	12	12
Non detects	0	6	12	n/a
% Non detects	0	50.0	100	n/a
DL	0.1	1.0	2.0	n/a

8. 2016 QA/QC data collected

Location	Date	Sample Type	TSS (mg/L)	Turbidity, Lab (NTU)
E206438 (CM_CCPD)	4/22/2015	FB	< 1.0	< 0.10
	4/22/2015	N	3.4	0.99
	5/27/2015	N	10.1	4.62
	5/27/2015	FB	< 3.0	< 0.10
	6/3/2015	FD	7.6	8.02
	6/3/2015	N	8.8	7
E298733 (CM_PC2)	3/30/2015	FB	< 1.0	0.11
	4/22/2015	FD	< 1.0	0.31
	4/22/2015	N	< 1.0	0.24
	4/29/2015	N	< 1.0	0.19
	4/29/2015	FD	< 1.0	0.27
	5/20/2015	N	< 1.0	1.50
	5/20/2015	FB	< 1.0	< 0.10
	6/17/2015	FB	< 1.0	< 0.10
E102488 (CM_SPD)	2/3/2015	N	2.0	1.46
	2/3/2015	FD	1.7	1.62
	2/3/2015	FB	< 1.0	< 0.10
	5/6/2015	N	18.0	16.9
	5/6/2015	FD	18.5	14.5
	5/13/2015	N	10.8	8.49
	5/13/2015	FB	< 1.0	< 0.10
	8/5/2015	FB	< 1.0	< 0.10
	8/5/2015	N	2.0	1.09
0200209 (CM_CC1)	3/23/2015	FD	1.9	2.47
	3/23/2015	N	1.8	2.01
	3/30/2015	N	3.6	4.32
	3/30/2015	FD	3.8	4.55
	4/15/2015	N	< 1.0	0.72
	4/15/2015	FD	1.3	0.85
	5/13/2015	FD	1.4	1.3
	5/13/2015	N	2.2	1.6
	5/20/2015	N	1.2	0.8
	5/20/2015	FD	1.2	0.53
	5/27/2015	N	4.7	1.95
	5/27/2015	FD	7.2	2.18
	6/17/2015	FD	1.6	0.42

	6/17/2015	N	1.8	0.45
	6/24/2015	N	< 1.0	0.42
	6/24/2015	FD	< 1.0	0.49
	6/30/2015	FB	< 1.0	1.93
	6/30/2015	N	1	0.35
	6/30/2015	FD	< 2.0	0.41
	7/8/2015	N	< 1.0	0.33
Location	Date	Sample Type	TSS (mg/L)	Turbidity, Lab (NTU)
0200209 (CM_CC1)	7/8/2015	FB	< 1.0	< 0.10
	7/15/2015	N	1.1	0.36
	7/15/2015	FB	< 1.0	< 0.10
	7/27/2015	FB	< 1.0	< 0.10
	7/27/2015	FD	2.8	0.34
	7/27/2015	N	1.9	0.3
	8/5/2015	FD	< 1.0	0.42
	8/5/2015	N	1.1	0.38
	12/2/2015	FD	1.1	0.73
	12/2/2015	N	< 1.0	0.74
E258175 (CM_MC1)	4/15/2015	N	< 1.0	0.28
	4/15/2015	FB	< 1.0	< 0.10
	4/29/2015	FB	< 1.0	< 0.10
	4/29/2015	N	5.2	3.11
	7/8/2015	N	< 1.0	0.25
	7/8/2015	FD	< 1.0	0.31
	7/21/2015	N	2.0	0.35
	7/21/2015	FB	< 1.0	0.14
	9/2/2015	N	< 1.0	0.25
	9/2/2015	FB	< 1.0	< 0.10
	10/7/2015	FD	< 1.0	0.17
	10/7/2015	N	< 1.0	0.13
	11/4/2015	FB	< 1.0	< 0.10
	11/4/2015	N	< 1.0	0.34
12/2/2015	N	< 1.0	0.18	
12/2/2015	FB	< 1.0	< 0.10	
E258937 (CM_MC2)	3/16/2015	FD	29.4	20.6
	3/16/2015	N	29.7	18.9
	6/10/2015	FD	16.3	6.03
	6/10/2015	N	13.4	4.12
	6/10/2015	FB	< 1.0	< 0.10
	6/24/2015	FB	< 1.0	< 0.10
	6/24/2015	N	1.6	0.56
	7/15/2015	N	1.9	0.55
	7/15/2015	FD	1.9	0.57
	7/21/2015	N	1.2	0.61
7/21/2015	FD	< 1.0	0.62	

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

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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
4-Nov-04			

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
8-Mar-10	0.05	< 3.0	
15-Mar-10	0.05		

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
5-Oct-16	0.054	1.9	0.84
2-Nov-16	0.429	1.4	1.72
13-Dec-16	0.139	1.0	0.42

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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
24-Apr-01		1	2.6
3-May-01		3	5.6
9-May-01		2	2.6
15-May-01		4	3.7

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
7-Sep-10	0.111	< 5.0	0.79

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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	

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
3-Dec-14		< 1.0	1.68
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
13-Dec-16	0.169	< 1.0	1.25

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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
13-May-14	0.045	< 1.0	0.27
20-May-14	0.298	< 1.0	0.36
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
6-Jul-16	0	4.2	0.33
13-Jul-16	0		
20-Jul-16	0		

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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		

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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m³/s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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	
25-Sep-12	0.078		
26-Sep-12	0.064	< 3.0	

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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	

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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	

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
9-Apr-14		96	119

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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			

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	INSTANTANEOUS FLOW (m ³ /s)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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

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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
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

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
20-Apr-04	3	1.5

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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		
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

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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		

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
26-Sep-12	< 3.0	
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	
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	

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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	

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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	

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
27-Mar-14	< 4.0	
28-Mar-14	545	
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
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

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

sample_date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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	
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	
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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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
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

Sample_Date	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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

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	
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	

Sample Date	T.E.H (mg/L)	EPH (mg/L)
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	
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	

Sample Date	T.E.H (mg/L)	EPH (mg/L)
6/4/2013	1.22	
7/2/2013	1.94	
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
7/20/2016		4.8
10/5/2016		1.93

E206439 - CM_SEW: TSS, Lab Turbidity and BOD₅

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	

Sample_date	BOD ₅ (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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	
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	

Sample_date	BOD ₅ (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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	
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		
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		

Sample_date	BOD ₅ (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY, LAB (NTU)
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
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

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
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

Sample_Date	CM_SEW Daily Flow (m³/day)	CM_WBE Daily Flow (m3/day)
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
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

Sample_Date	CM_SEW Daily Flow (m³/day)	CM_WBE Daily Flow (m3/day)
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
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

Sample_Date	CM_SEW Daily Flow (m³/day)	CM_WBE Daily Flow (m3/day)
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
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
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

Sample_Date	CM_SEW Daily Flow (m³/day)	CM_WBE Daily Flow (m3/day)
11/2/2016	14.7	
12/13/2016	13.9	