

# 2018 Annual Wastewater Treatment Plant Report

Resort Municipality of Whistler Wastewater Treatment Plant

Authorization Number ME- 01452



WHISTLER

# Table of Contents

<b>1.0</b>	<b>Background.....</b>	<b>4</b>
	Discharge Monitoring Frequency .....	4
	Permit Excursions .....	5
	General Permit Requirements.....	5
	Outfall Inspection .....	6
	Website.....	6
	Facility Staffing.....	6
<b>2.0</b>	<b>Discharge Discussion and Analysis .....</b>	<b>6</b>
	Discharge Volume .....	6
	Orthophosphate as Phosphorous PO <sub>4</sub> -P .....	8
	Total Phosphorous .....	10
	Total Suspended Solids.....	11
	Carbonaceous Biochemical Oxygen Demand (BOD) .....	12
	Effluent Disinfection .....	12
	Effluent Toxicity.....	13
<b>3.0</b>	<b>Receiving Environment Monitoring.....</b>	<b>14</b>
	pH in Receiving Environment.....	15
	Conductivity in Receiving Environment .....	16
	Turbidity in Receiving Environment .....	17
	Orthophosphate (PO <sub>4</sub> -P) in Receiving Environment.....	18
	Ammonia (NH <sub>3</sub> -N) in Receiving Environment .....	19
	Nitrate + Nitrite (N+N) in Receiving Environment.....	20
<b>4.0</b>	<b>Conclusion .....</b>	<b>20</b>
<b>5.0</b>	<b>Appendix A - Whistler Wastewater Treatment Plant Outfall Inspection 2018 .....</b>	<b>21</b>

<b>6.0 Appendix B – Waste Water Treatment Plant Data Table .....</b>	<b>25</b>
<b>7.0 Appendix C – Environmental Monitoring Site Data Table .....</b>	<b>51</b>

# 1.0 BACKGROUND

## Discharge Monitoring Frequency

Monitoring samples are collected at the WWTP and analyzed daily, bi-weekly, monthly, and semi-annually. Samples monitored at each given frequency are outlined below.

### Daily

- Total Suspended Solids (TSS)
- Orthophosphate (PO<sub>4</sub>-P)

### Bi-Weekly

- Chemical Oxygen Demand (COD)
- Fecal Coliforms (from May 15 – September 15)

### Weekly

- Five Day Carbonaceous Biochemical Oxygen Demand (cBOD5)
- Total Phosphorous (TP)
- Total Kjeldahl Nitrogen (TKN)
- Nitrate + Nitrite (N+N)

### Monthly

- Total Metals

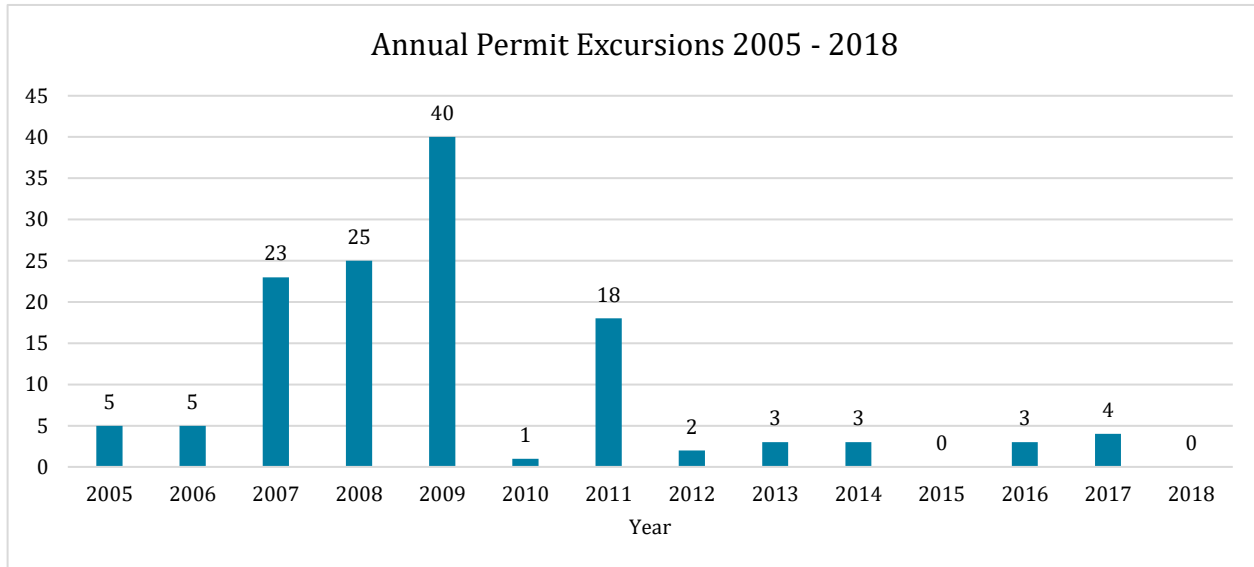
### Semi-Annually

- Fish Bioassay 96 LT50 (Rainbow Trout)

## Permit Excursions

The Resort Municipality of Whistler (RMOW) Wastewater Treatment Plant (WWTP) tracks and monitors the number of permit exceedances that occur during the year (Fig. 1). For the report period, the WWTP had 0 permit exceedances.

Figure 1 Number of permit exceedances occurring by year since 2005



## General Permit Requirements

Table 1 List of General Permit Requirements

General Requirement	Quantity
Volume of effluent that bypassed the WWTP*	0
Number of emergency shutdowns during the year	0
Number of trucks turned away due to hazardous waste	0
Number of achievements to report regarding source control and water conservation programs**	2

\*The raw sewage bypass line was removed in 2010

\*\*Outdoor Potable Water Use Bylaw No. No. 2179, 2018 and Once-Through Water Use Bylaw No. 2198, 2018, adopted,

## Outfall Inspection

The final effluent outfall was inspected by Cascade Environmental Resource Group in 2018. Please see the report attached in Appendix A.

## Website

Quarterly monitoring data is posted on an annual basis to the Resort Municipality of Whistler's website <https://www.whistler.ca/services/water-and-wastewater/wastewater-treatment-plant>.

## Facility Staffing

The RMOW WWTP facility staff qualifications met EOCP requirements (Table 2) for the report period.

Table 2 Facility Staff certification list

Name	Position	Certification
<b>Gillian Woodward, P.Eng</b>	Utilities Manager	Professional Engineer
<b>Trish Browning</b>	Supervisor	Environmental Engineering Technologist EOCP Level I Municipal Wastewater Treatment
<b>Doug Brereton</b>	Operator 4	EOCP Level IV Municipal Wastewater Treatment
<b>Elizabeth Toole</b>	Operator 3	EOCP Level III Municipal Wastewater Treatment
<b>Hamish (Ty) MacFayden</b>	Operator 3	EOCP Level III Municipal Wastewater Treatment
<b>Wendy Linton</b>	Operator 2	EOCP Level II Municipal Wastewater Treatment
<b>Paul Kozin</b>	Operator 2	EOCP Level II Municipal Wastewater Treatment
<b>Aaron Bose</b>	Operator 2	EOCP Level II Municipal Wastewater Treatment
<b>Neil Kearns</b>	Lab Technician	EOCP Level II Municipal Wastewater Treatment
<b>Bruce Eckersley</b>	Millwright	Red Seal Certified Millwright

## 2.0 DISCHARGE DISCUSSION AND ANALYSIS

### Discharge Volume

The dry season is defined as May 15<sup>th</sup> to September 15<sup>th</sup> inclusively, and the wet season is defined as January 1<sup>st</sup> to May 14<sup>th</sup> and September 16<sup>th</sup> to December 31<sup>st</sup>. The effluent discharge volume was below the maximum allowable discharge volume during both the dry (16,000 m<sup>3</sup>/day) and wet seasons (25,000 m<sup>3</sup>/day) (Figure 2). The average discharge volume was 9,328 m<sup>3</sup>/day during the dry season and 10,987 m<sup>3</sup>/day during the wet season.

Figure 2 Whistler Wastewater Treatment Plant Daily Effluent Discharge Volume (mg/L) 2018

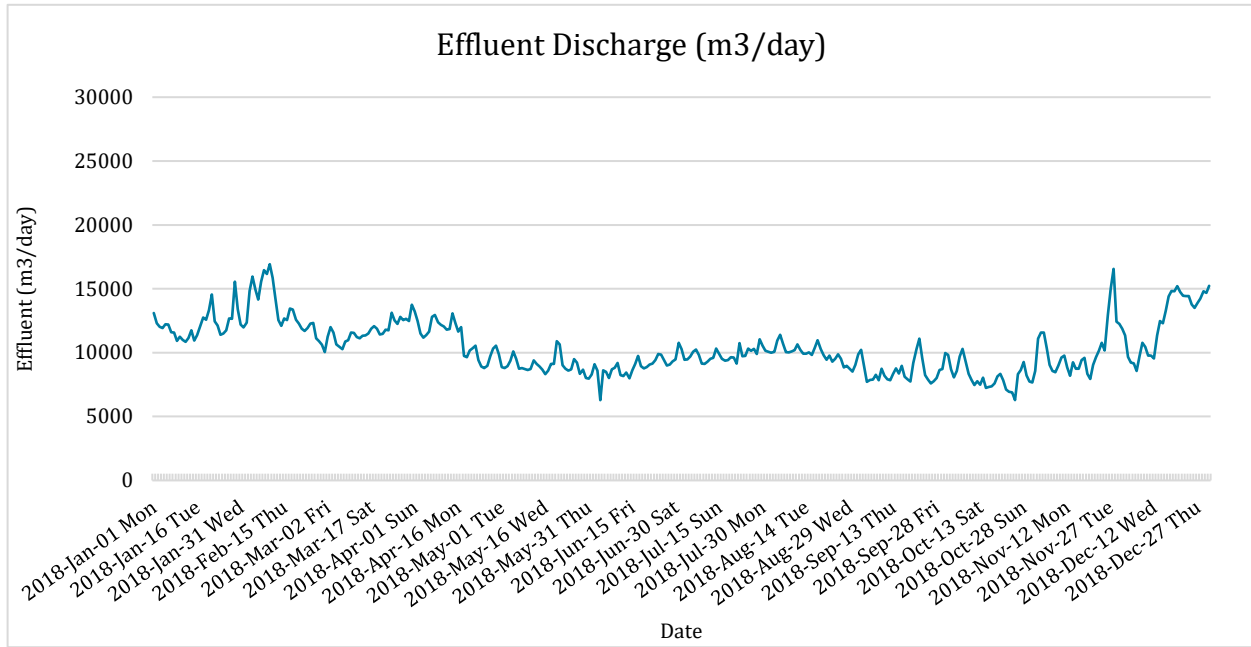


Figure 3 Maximum daily discharge (m3) wet and dry values by year 2004-2018

Year	Max Discharge Dry	Max Discharge Wet	Month Max Discharge Dry	Month Max Discharge Wet
2004	10,160	14,681	August	January
2005	12,238	13,720	August	December
2005	11,402	17,174	July	January
2006	13,742	19,731	July	December
2007	13,991	24,247	August	March
2008	12,891	17,568	August	December
2009	11,623	17,859	June	April
2010	12,891	22,855	August	January
2011	12,153	19,472	July	January
2012	13,397	20,575	June	January
2013	12,525	19,351	June	March
2014	11,646	25,070	August	December
2015	11,447	25,019	August	February
2016	12,119	21,284	August	February
2017	11,670	19,852	July	March
2018	11,395	16,927	August	December

## Orthophosphate as Phosphorous P<sub>04</sub>-P

Orthophosphate as Phosphorous P<sub>04</sub>-P concentrations did not exceed the permitted levels of 1.75 mg/L per day or 36.6 kg per month (as applicable) for the report period. The equalization tank and the Aluminum Sulphate dosing are both semi-automated.

Figure 4 Wastewater Treatment Facility daily orthophosphate discharge concentrations (mg/L) 2018

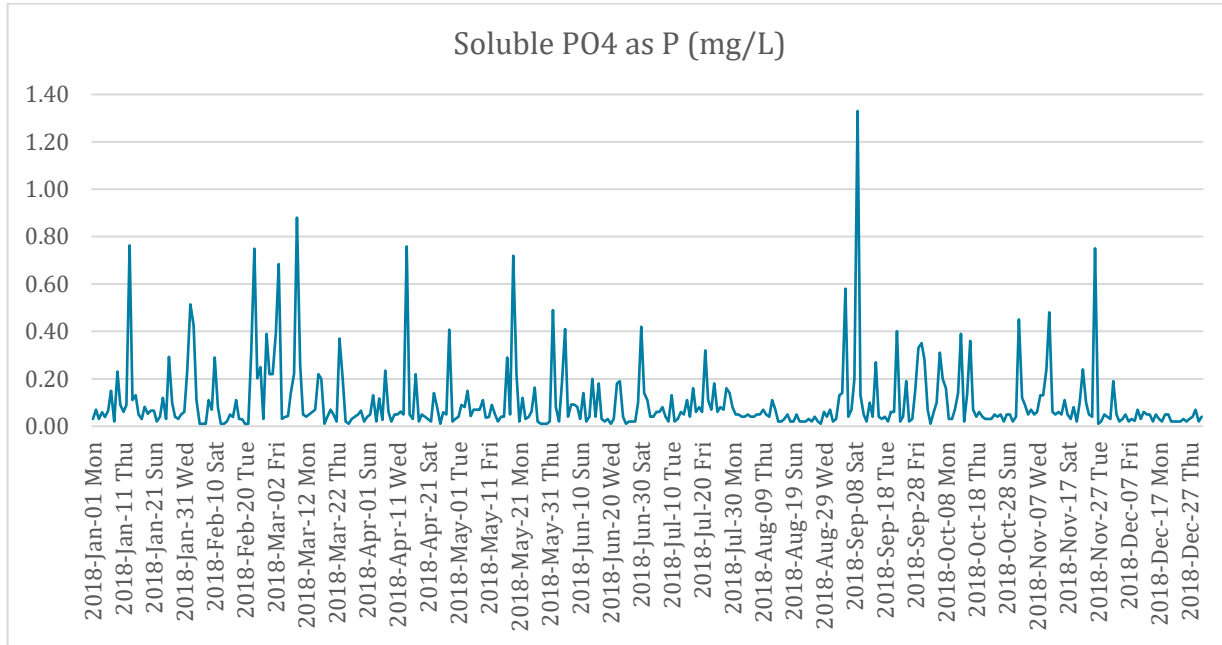
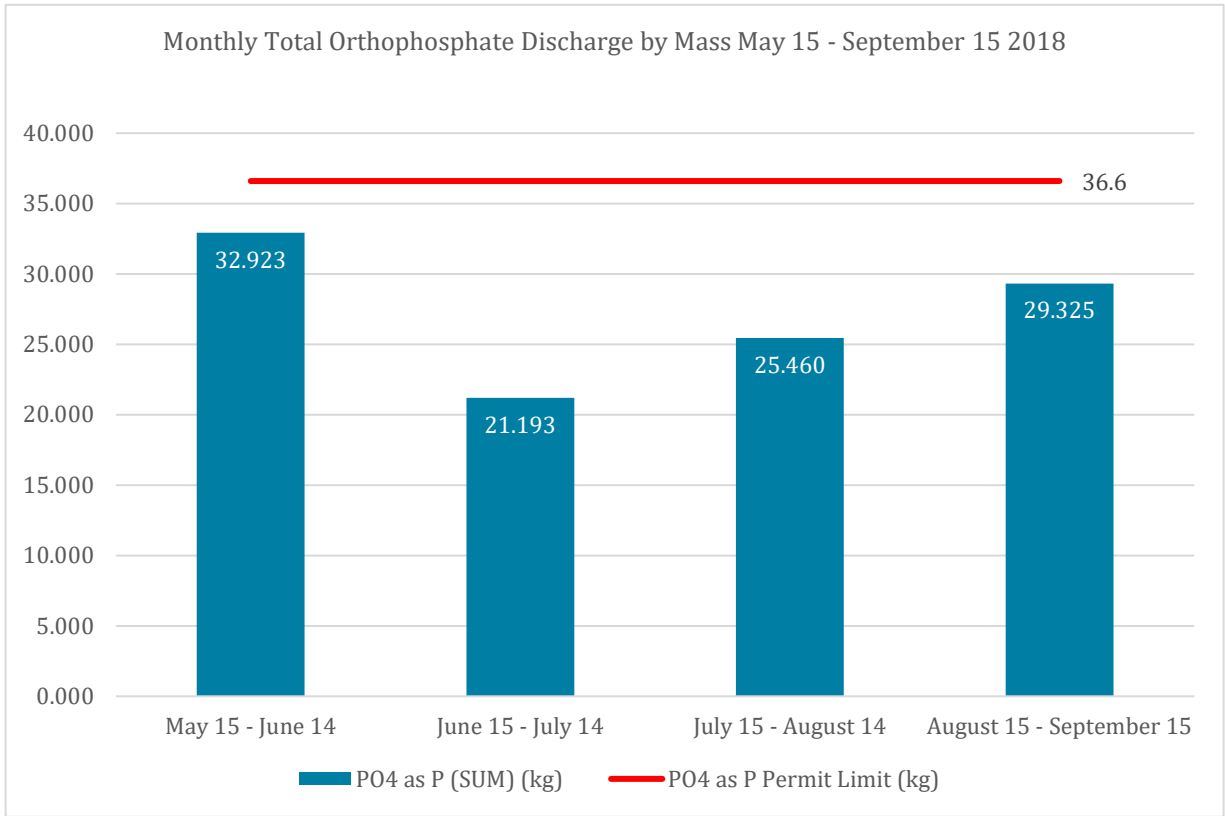




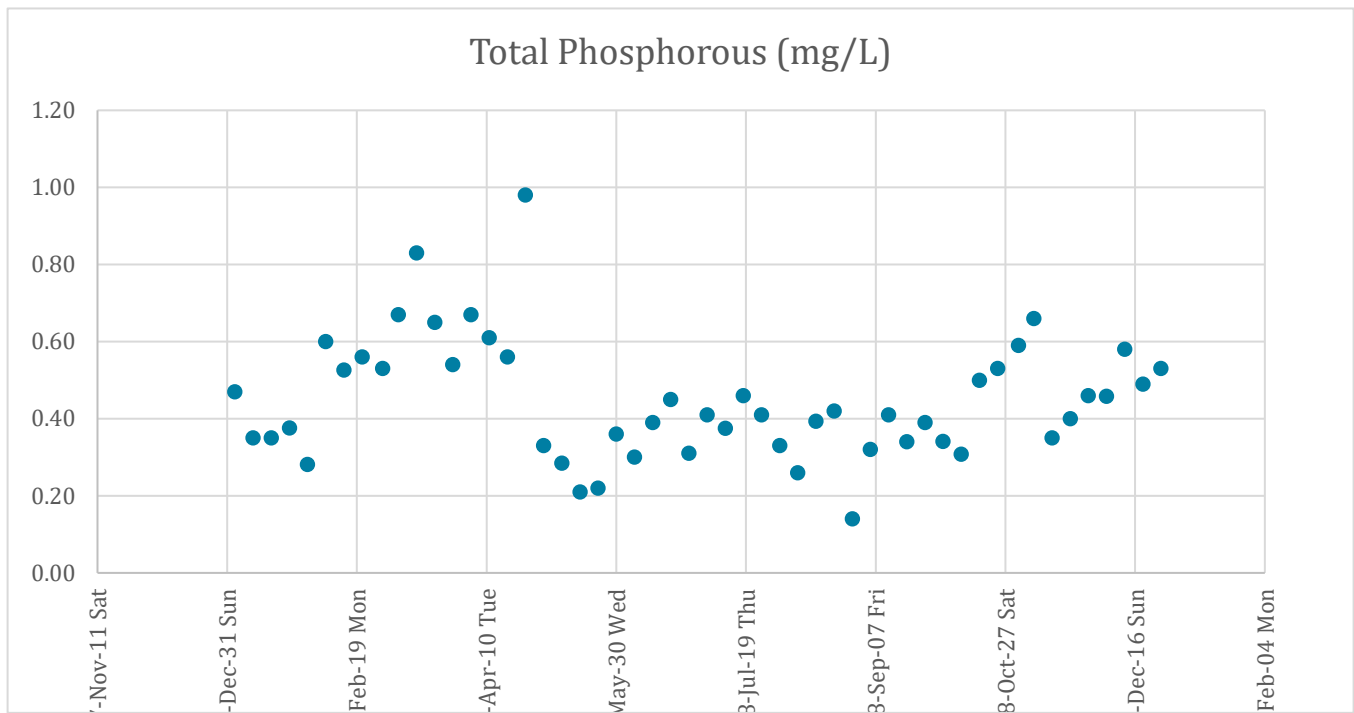
Figure 5 Wastewater Treatment Facility total orthophosphate discharge (kg) by month May 15 - September 15 2018



# Total Phosphorous

Weekly final effluent samples are submitted to a certified laboratory for total phosphorous analysis.

Figure 6 Whistler Wastewater Treatment Plant Weekly Total Phosphorous in Effluent (mg/L) 2018



## Total Suspended Solids

Total Suspended Solids concentrations did not exceed the permitted level of 40 mg/L per day for the report period.

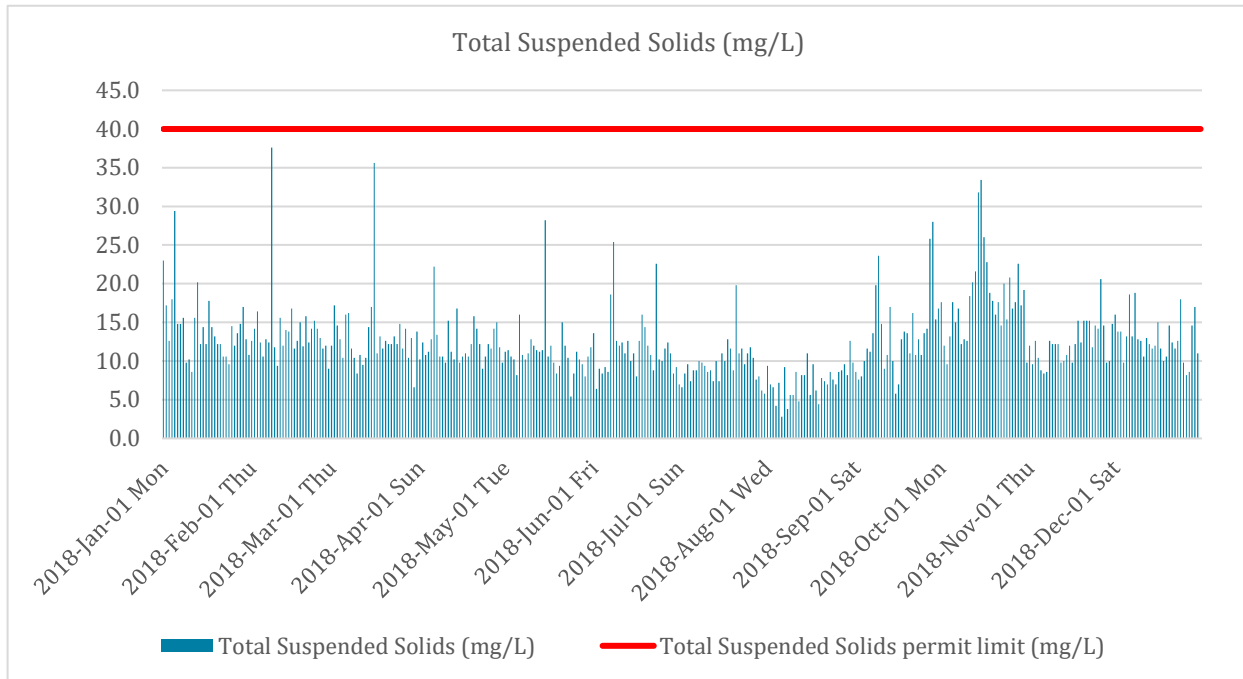


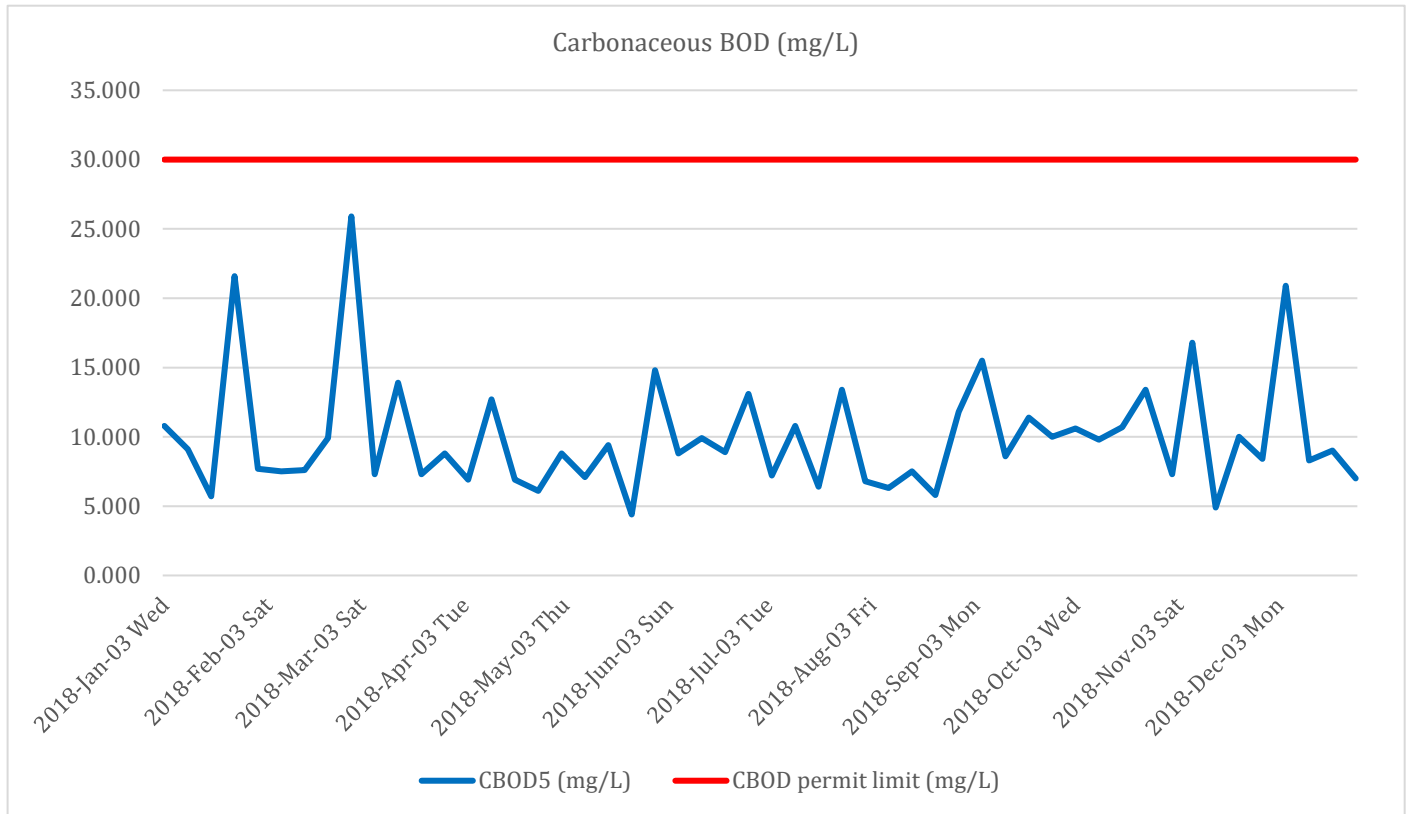
Figure 7 Whistler Wastewater Plant Annual Average Suspended Solids (mg/L) 2005 - 2018



## Carbonaceous Biochemical Oxygen Demand (BOD)

Carbonaceous BOD did not exceed the permitted level of 30 mg/L per day for the report period.

Figure 8 Whistler Wastewater Treatment Plant Weekly Carbonaceous BOD (mg/L) 2018

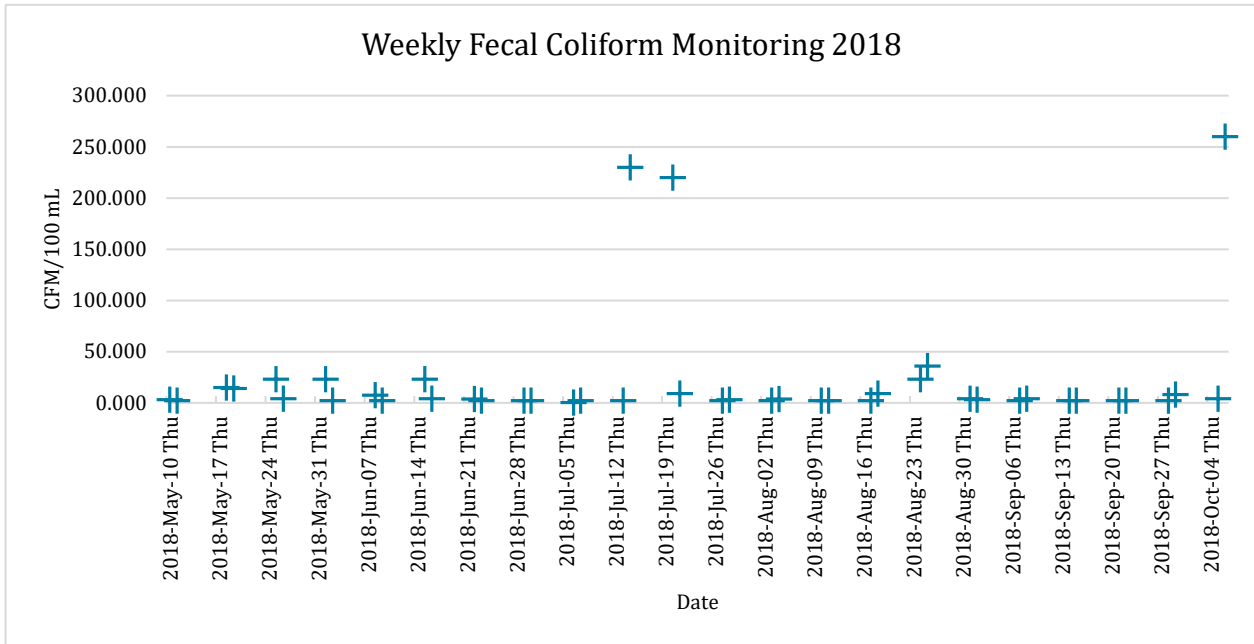


## Effluent Disinfection

The WWTP disinfects the effluent using UV from May 15<sup>th</sup> to October 15<sup>th</sup>. Bi-weekly final effluent samples were submitted to a certified laboratory for fecal coliform analysis throughout the disinfection period in order to verify the effectiveness of the UV disinfection. The three elevated samples on July 25, July 26 and October 6 are the result of compromised sampling taken prior to UV treatment. These readings should be disregarded.

Note: results determined to be less than detection limit are shown on the graph as the laboratory detection limit of 2.0 cfu/ 100 mL.

Figure 9 Whistler Wastewater Plant Weekly Fecal Coliform (CFM/mL) 2018



## Effluent Toxicity

Four (4) LC50 toxicity tests were performed during the report period. The results are 100% of rainbow trout fry surviving in raw (100% concentration) effluent for 96 hours.

### 3.0 RECEIVING ENVIRONMENT MONITORING

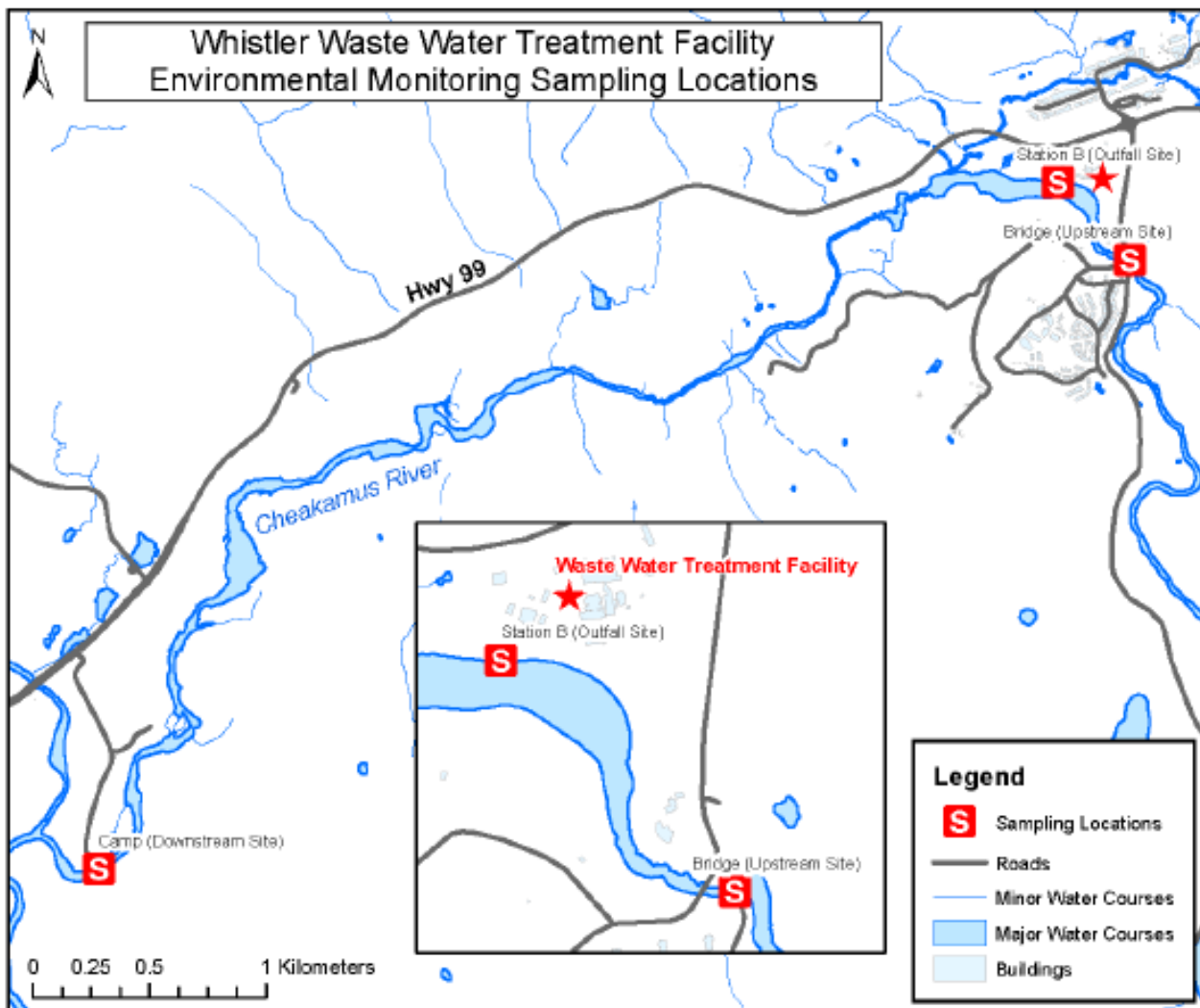
The receiving environment (the Cheakamus River) is sampled once per month by WWTP staff, and the samples are submitted to a certified laboratory.

The operating certificate requires the RMOW monitor two sampling stations, with samples taken three times per year. The RMOW exceeds this requirement by sampling at three locations, every month of the year.

The monitored parameters are compared at three sampling locations, Upstream, Outfall and Downstream (see Map 1). The upstream sampling location, Bridge, is located approximately 100 metres above the outfall, which is at Station B, and the downstream sampling location, Camp, is located approximately 4 kilometres downstream of the outfall.

Results that fall below the laboratory detection limit are thus represented as equal to the laboratory detection limit.

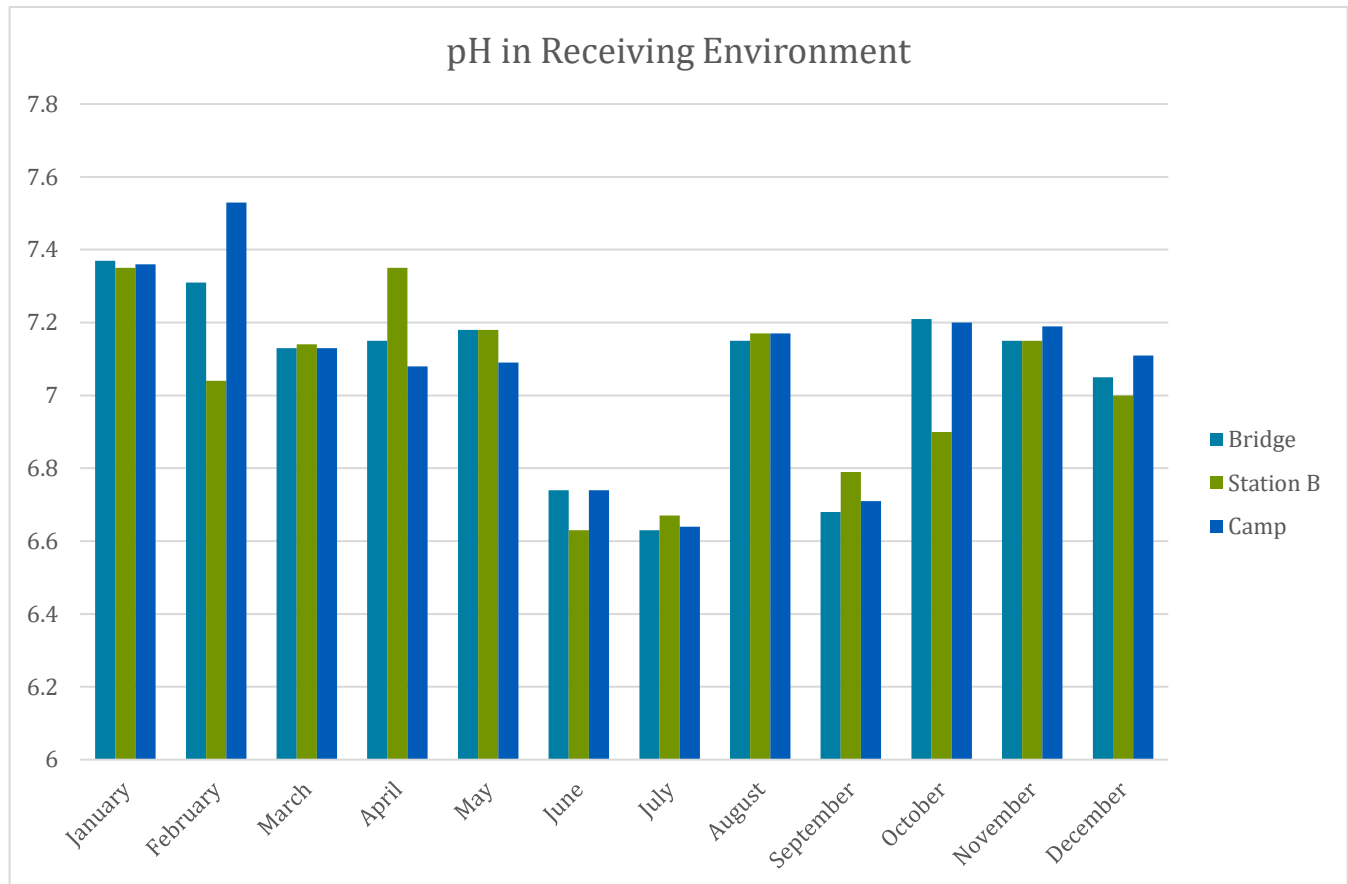
Map 1 Whistler Wastewater Treatment Plant Environmental Monitoring Sampling Locations



## pH in Receiving Environment

The pH levels in the receiving environment were lower than readings in previous years for the months of June, July and September. These lower pH readings seem to reflect environmental conditions as a whole, as they are similar at all sample sites.

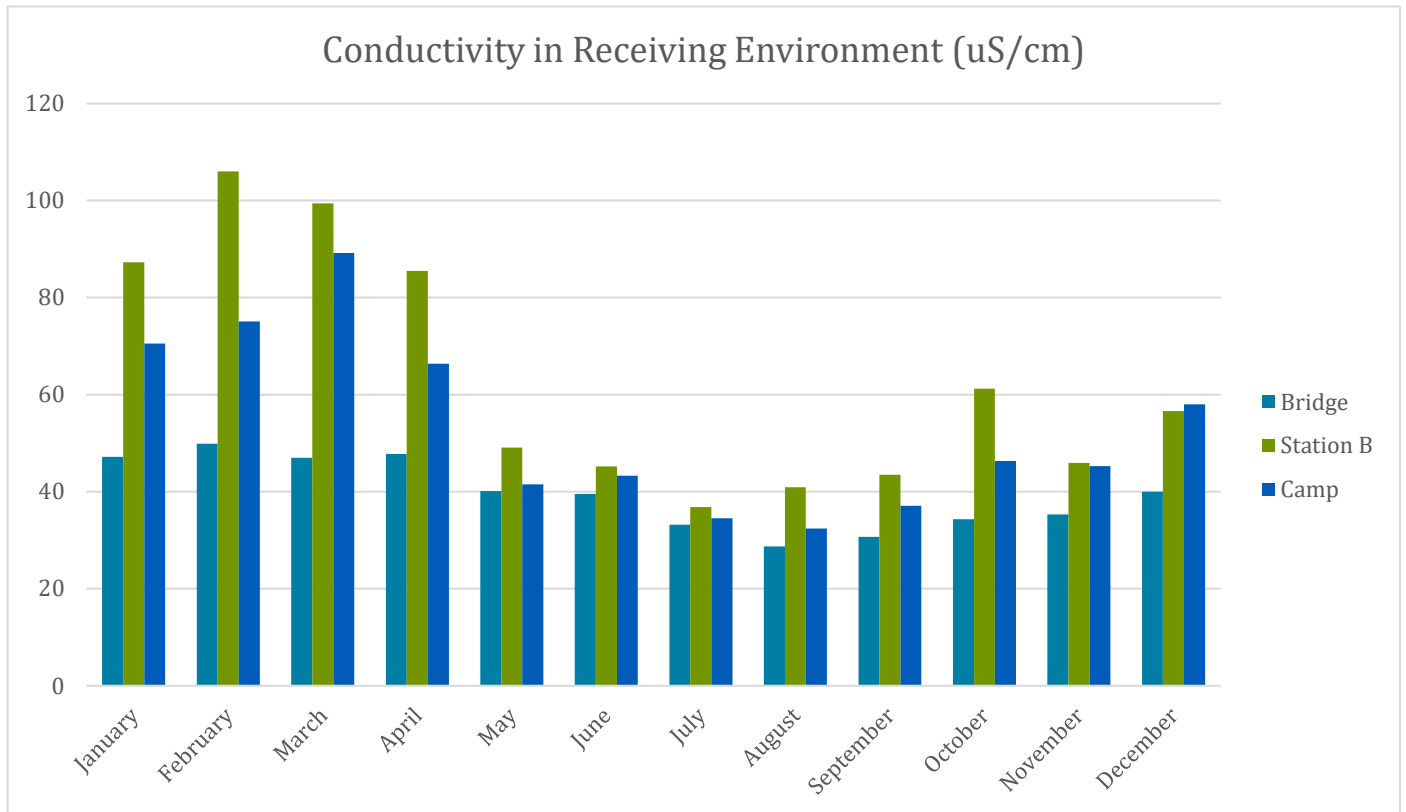
Figure 10 Whistler Wastewater Treatment Plant pH monitoring in receiving environment 2018



## Conductivity in Receiving Environment

The sampling results indicate that the highest conductivity occurs at the Outfall sample location. This is similar to previous years results. The highest conductivity occurs during the winter months when the river flow is at its lowest. Throughout the year, the observed increase in conductance that could be attributed to the discharge, dissipates before the downstream sampling location.

Figure 11 Whistler Wastewater Treatment Plant conductivity monitoring (uS/cm) in receiving environment 2018

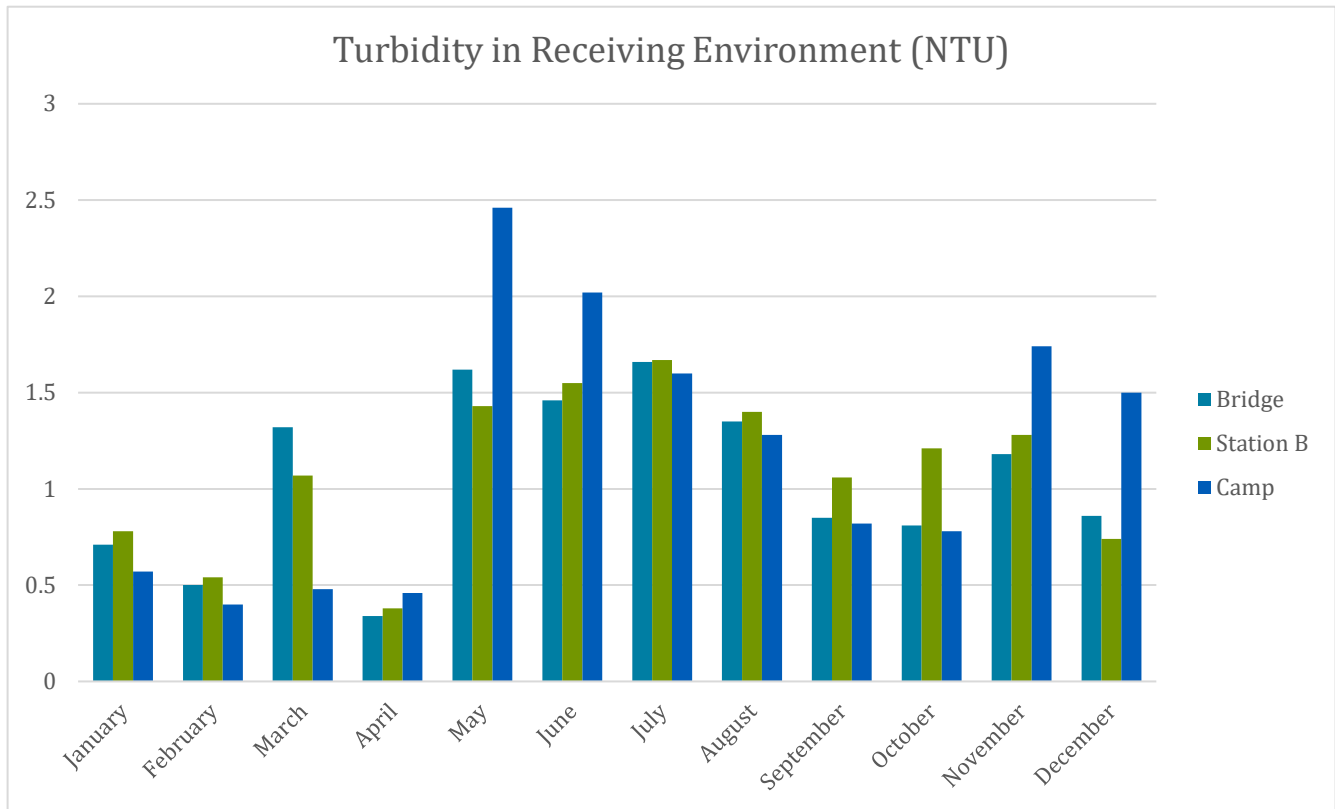




## Turbidity in Receiving Environment

High turbidity levels during the report period were detected at the downstream sample site in May and June. These readings are consistent with turbidity levels experienced historically.

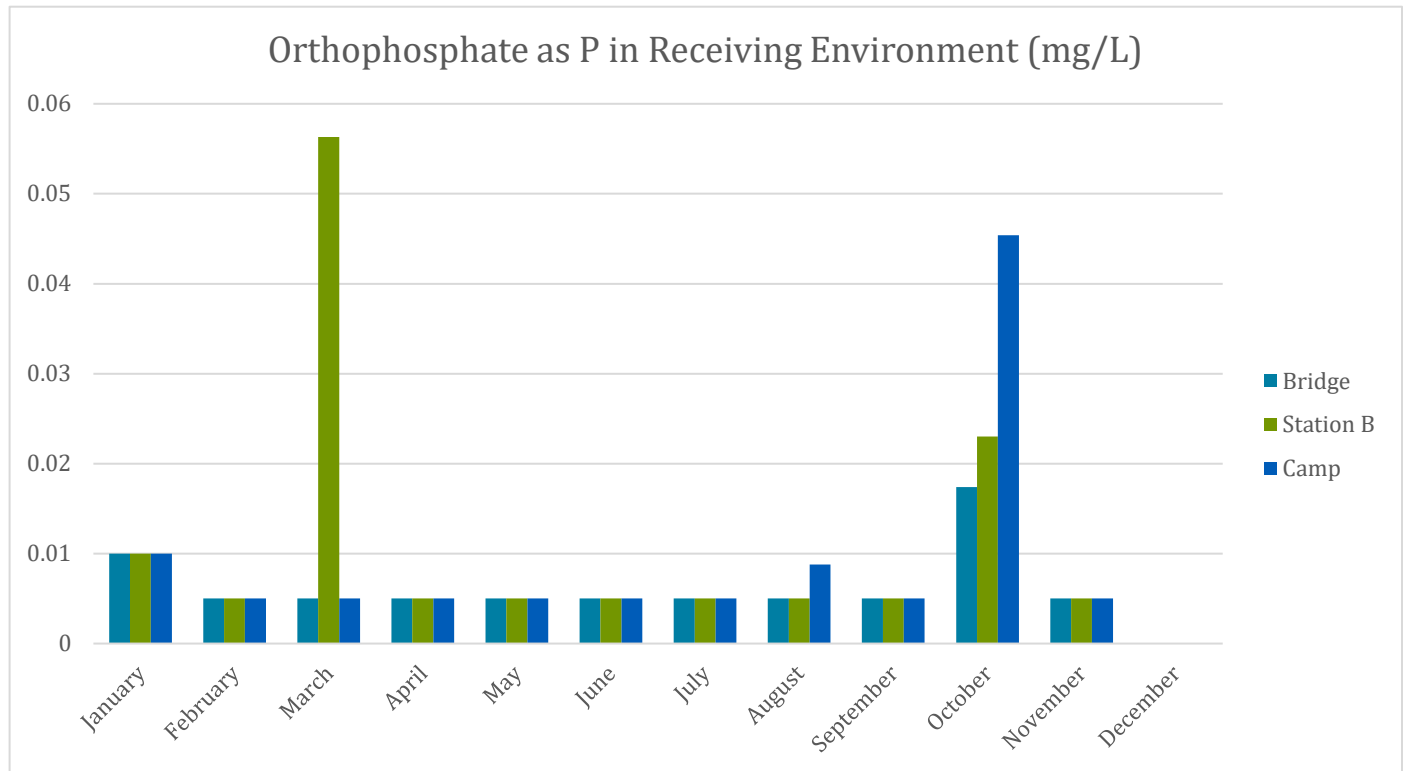
Figure 12 Whistler Wastewater Treatment Plant turbidity monitoring (NTU) in receiving environment 2018



## Orthophosphate (PO<sub>4</sub>-P) in Receiving Environment

The majority of PO<sub>4</sub>-P readings in the receiving environment were below the laboratory detection limit of 0.01 mg/L. The detectable spikes were still below the maximum allowable PO<sub>4</sub>-P levels.

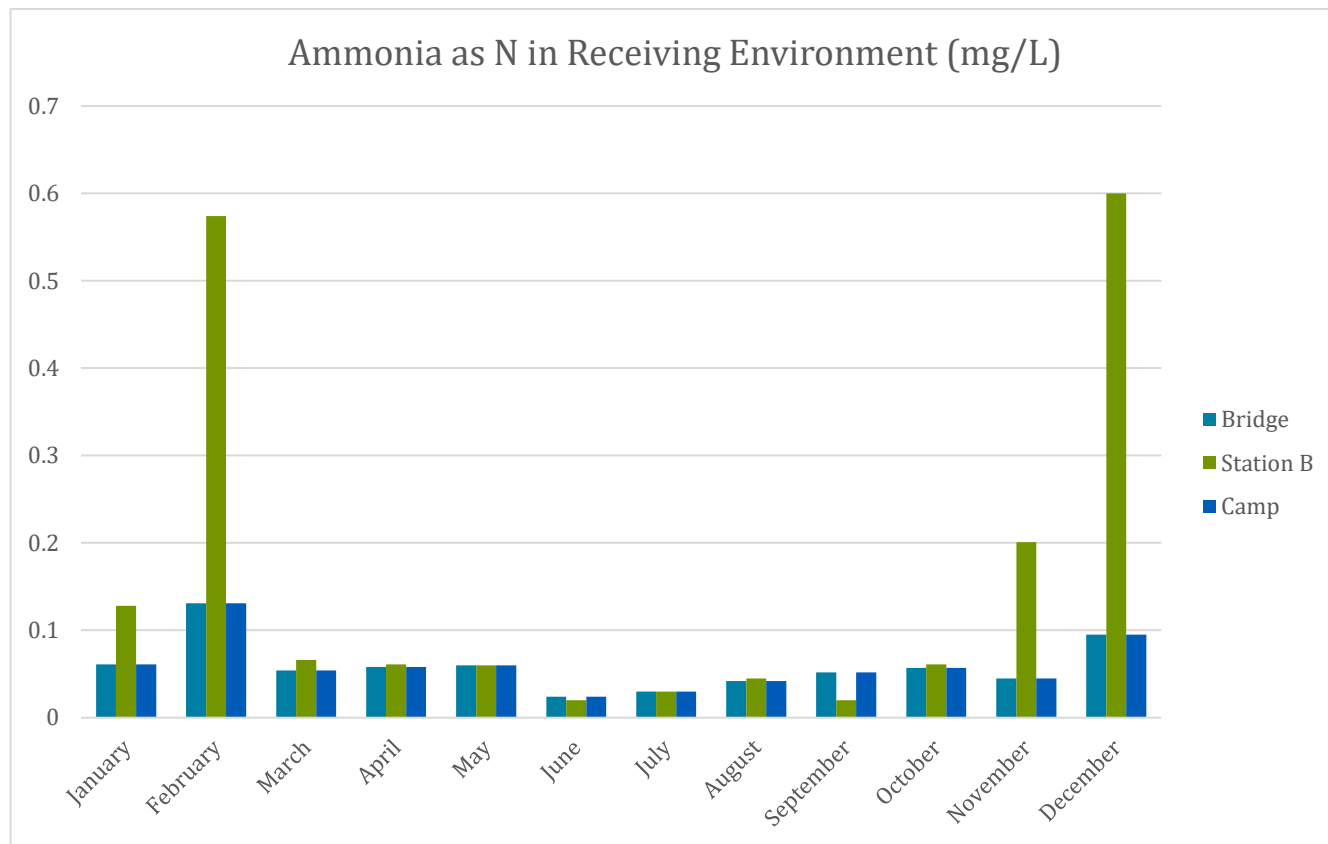
Figure 13 Whistler Wastewater Treatment Plant orthophosphate monitoring (mg/l) in receiving environment 2018



## Ammonia (NH<sub>3</sub>-N) in Receiving Environment

The NH<sub>3</sub> levels at the outfall location were highest in February and December. In each instance, the level was higher than the upstream sampling location and had returned to background level once at the downstream sampling location.

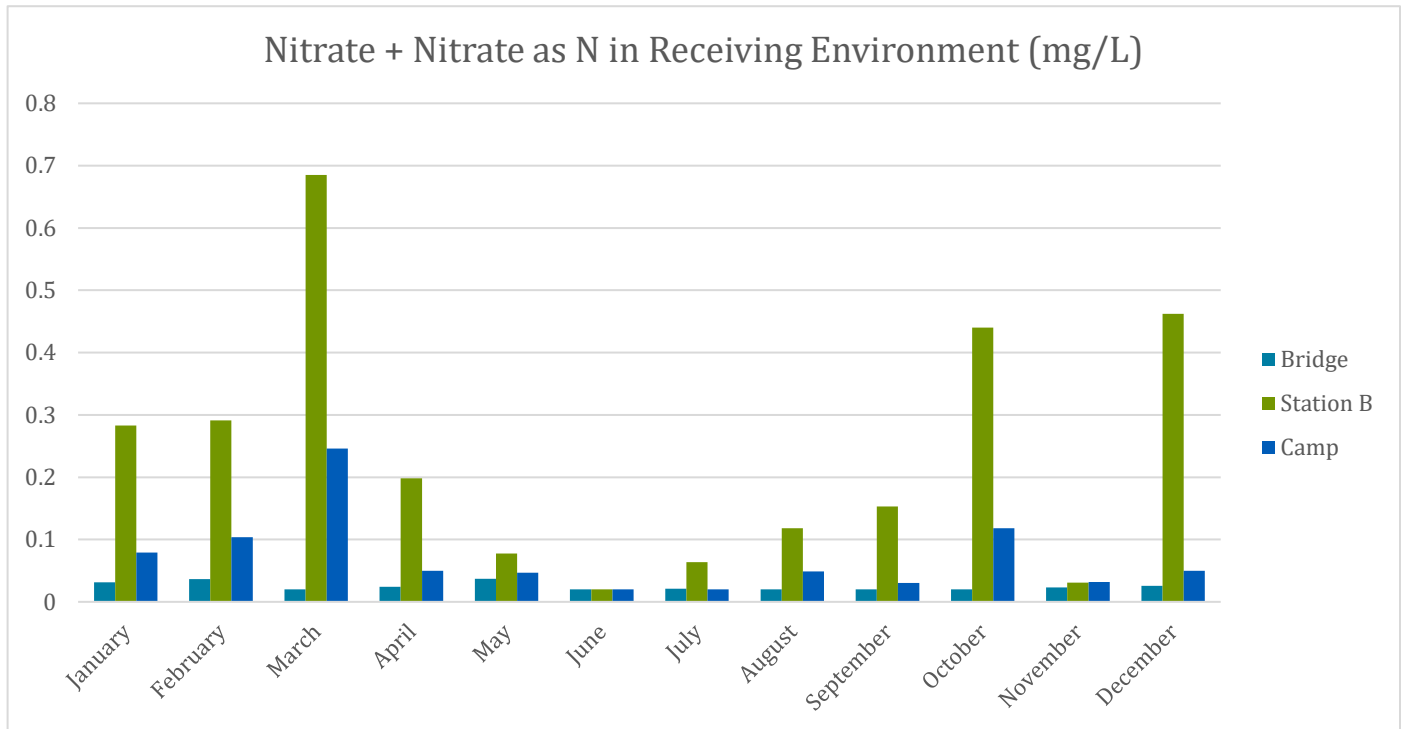
Figure 14 Whistler Wastewater Treatment Plant ammonia monitoring (mg/L) in receiving environment 2018



## Nitrate + Nitrite (N+N) in Receiving Environment

There were elevated levels of nitrate and nitrites detected at the outfall sampling location every month. These spikes did show significant dissipation at the downstream sampling location, almost returning to background levels. During the summer sampling events, the effects on the receiving environment were reduced. This is consistent with the monitoring in previous years.

Figure 15 Whistler Wastewater Treatment Plant nitrogen monitoring (mg/L) in receiving environment 2018



## 4.0 CONCLUSION

This report fulfills the requirements for the Operational Certificated ME-01452. Any further inquiries can be directed to the Utilities Group Manager Gillian Woodward at (604) 935 8315.

**5.0 APPENDIX A - WHISTLER WASTEWATER TREATMENT PLANT  
OUTFALL INSPECTION 2018**

## MEMORANDUM

**DATE:** October 25, 2018

**TO:** Gillian Woodward, Resort Municipality of Whistler  
Lee Vanjoff, Resort Municipality of Whistler

**FROM:** Candace Rose-Taylor, Cascade Environmental Resource Group Ltd.

**RE:** Whistler Wastewater Treatment Plant Outfall Inspection 2018  
Operational Certificate ME-01452

**FILE #:** 013-34-06

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Cascade Environmental Resource Group Ltd. (Cascade) was retained by the Resort Municipality of Whistler (RMOW) to conduct a visual inspection of the Whistler Wastewater Treatment Plant (WWTP) of Water, Land and Air Protection (WLAP), #ME-01452. The inspection was completed on October 17, 2018 by Candace Rose-Taylor, R.P. Bio., of Cascade.

The WWTP outfall is located on the Cheakamus River (Photo 1) and was visually inspected for abnormal cracks and disrepair in the concrete, evidence of effluent leakage in the surrounding riprap berm, and evidence of wildlife activity around the outfall. The outfall posting sign identifying a sewer outfall is evident above the high-water mark of the Cheakamus River in alignment with the outfall (Photo 1). The outfall was deemed in "good condition", with no physical deterioration or noticeable leakage outside of the outfall area (Photo 1 to Photo 6). The surrounding berm was comprised of bare large riprap boulders. There was no evidence of scavenging or denning wildlife (tracks, feces, fur) within the vicinity of the outfall. A wasp nest was observed attached to the outfall structure (Photo 6). A great blue heron (*Ardea herodias*) was also observed on a gravel bar downstream of the outfall. The effluent was discharging slightly above the surface of the Cheakamus River as water levels are currently flowing low.

Cascade recommends cutting back shrub vegetation growing on top of the berm around the outfall location (Photo 1). The WWTP Operational Certificate states that an outfall inspection is required once every five years; therefore, a subsequent inspection should be scheduled for the year 2023. Please do not hesitate to contact myself or Mike Nelson at the below contacts with any questions of concerns regarding this report.

Regards,



Candace Rose-Taylor, R.P. Bio.  
Cascade Environmental Resource Group Ltd.



**PHOTOS**



**Photo 1: WWTP outfall signage located above outfall and adjacent to manhole access river right of Cheakamus River, October 17, 2018.**



**Photo 2: Manhole access to WWTP effluent outfall pipe, October 17, 2018.**



**Photo 3: WWTP effluent outfall signage located on Cheakamus River, showing upstream baffle, October 17, 2018.**



**Photo 4: WWTP effluent location in Cheakamus River, showing upstream baffle, October 17, 2018.**



**Photo 5: WWTP effluent outfall viewing downstream, October 17, 2018.**



**Photo 6: WWTP outfall interior, October 17, 2018.**



**Photo 7: View across Cheakamus River to river left from WWTP outfall, October 17, 2018.**



**Photo 8: Downstream view of Cheakamus River from WWTP outfall, October 17, 2018.**



## 6.0 APPENDIX B – WASTE WATER TREATMENT PLANT DATA TABLE

Date	Effluent (m3/day)	Total Suspended Solids (mg/L)	CBOD5 (mg/L)	Soluble PO4 as P (mg/L)	PO4 as P (kg/day)	Total Phosphorous (mg/L)	Fecal Coliform (cfu/100mL)
2018-01-01	13092	23.0		0.03	0.4		
2018-01-02	12308	17.2		0.07	0.9		
2018-01-03	12030	12.6	10.800	0.03	0.4	0.53	
2018-01-04	11938	18.0		0.06	0.7		
2018-01-05	12227	29.4		0.04	0.5		
2018-01-06	12210	14.8		0.07	0.8		
2018-01-07	11602	14.8		0.15	1.7		
2018-01-08	11585	15.6		0.02	0.2		
2018-01-09	10935	9.8		0.23	2.5		
2018-01-10	11251	10.2	9.100	0.09	1.0	0.49	
2018-01-11	10997	8.6		0.06	0.7		
2018-01-12	10838	15.6		0.09	1.0		
2018-01-13	11157	20.2		0.76	8.5		
2018-01-14	11749	12.2		0.11	1.3		
2018-01-15	10947	14.4		0.13	1.4		
2018-01-16	11366	12.2		0.05	0.6		
2018-01-17	12110	17.8	5.700	0.03	0.4	0.58	
2018-01-18	12751	14.4		0.08	1.0		
2018-01-19	12572	13.2		0.05	0.7		
2018-01-20	13326	12.2		0.07	0.9		
2018-01-21	14558	12.2		0.07	0.9		
2018-01-22	12454	10.6		0.02	0.2		
2018-01-23	12131	10.6		0.04	0.5		
2018-01-24	11406	9.6	21.600	0.12	1.4	0.46	
2018-01-25	11504	14.5		0.03	0.3		
2018-01-26	11749	12.0		0.29	3.4		
2018-01-27	12669	13.6		0.10	1.2		
2018-01-28	12652	14.8		0.04	0.5		
2018-01-29	15568	17.0		0.03	0.5		
2018-01-30	13404	12.8		0.05	0.7		
2018-01-31	12214	10.8	7.700	0.06	0.7	0.46	
2018-02-01	11984	12.6		0.23	2.8		
2018-02-02	12355	14.2		0.51	6.4		
2018-02-03	14832	16.4		0.43	6.3		
2018-02-04	15957	12.4		0.11	1.8		
2018-02-05	14955	10.6		0.01	0.1		
2018-02-06	14166	12.8		0.01	0.1		

2018-02-07	15561	12.4	7.500	0.01	0.2	0.40
2018-02-08	16466	37.6		0.11	1.8	
2018-02-09	16147	11.8		0.07	1.1	
2018-02-10	16927	9.4		0.29	4.9	
2018-02-11	15855	15.6		0.08	1.3	
2018-02-12	14191	12.0		0.01	0.14	
2018-02-13	12558	14.0		0.01	0.1	
2018-02-14	12100	13.8	7.600	0.02	0.2	0.35
2018-02-15	12671	16.8		0.05	0.6	
2018-02-16	12540	11.6		0.04	0.5	
2018-02-17	13460	12.6		0.11	1.5	
2018-02-18	13370	15.0		0.03	0.4	
2018-02-19	12579	11.9		0.03	0.4	
2018-02-20	12273	15.8		0.01	0.1	
2018-02-21	11888	12.4	9.900	0.01	0.1	0.66
2018-02-22	11704	14.2		0.31	3.6	
2018-02-23	11934	15.2		0.75	8.9	
2018-02-24	12286	14.2		0.20	2.5	
2018-02-25	12334	13.0		0.25	3.1	
2018-02-26	11119	11.6		0.03	0.3	
2018-02-27	10897	12.0		0.39	4.2	
2018-02-28	10616	9.0	25.900	0.22	2.3	0.59
2018-03-01	10040	12.0		0.22	2.2	
2018-03-02	11251	17.2		0.39	4.4	
2018-03-03	11992	14.6		0.68	8.2	
2018-03-04	11568	12.8		0.03	0.3	
2018-03-05	10647	10.4		0.04	0.4	
2018-03-06	10471	16.0		0.04	0.4	
2018-03-07	10274	16.2	7.300	0.14	1.5	0.53
2018-03-08	10865	11.6		0.22	2.4	
2018-03-09	10965	10.4		0.88	9.6	
2018-03-10	11574	8.4		0.26	3.0	
2018-03-11	11560	10.8		0.05	0.6	
2018-03-12	11228	9.5		0.04	0.4	
2018-03-13	11116	10.4		0.05	0.6	
2018-03-14	11314	14.4	13.900	0.06	0.7	0.50
2018-03-15	11350	17.0		0.07	0.8	
2018-03-16	11488	35.6		0.22	2.5	
2018-03-17	11866	11.0		0.20	2.4	
2018-03-18	12078	13.2		0.01	0.1	
2018-03-19	11882	11.6		0.04	0.5	
2018-03-20	11435	12.6		0.07	0.1	
2018-03-21	11484	12.2	7.300	0.05	0.6	0.31
2018-03-22	11802	12.2		0.02	0.2	

2018-03-23	11740	13.2		0.37	4.3	
2018-03-24	13134	12.2		0.20	2.6	
2018-03-25	12534	14.8		0.02	0.3	
2018-03-26	12259	11.6		0.01	0.1	
2018-03-27	12800	14.2		0.03	0.4	
2018-03-28	12557	10.4	8.800	0.04	0.5	0.34
2018-03-29	12664	13.0		0.05	0.5	
2018-03-30	12483	6.6		0.07	0.8	
2018-03-31	13766	13.8		0.02	0.3	
2018-04-01	13238	10.2		0.04	0.5	
2018-04-02	12479	12.4		0.05	0.6	
2018-04-03	11502	10.8		0.13	1.5	
2018-04-04	11173	11.2	6.900	0.02	0.2	0.39
2018-04-05	11368	12.8		0.12	1.3	
2018-04-06	11644	22.2		0.03	0.3	
2018-04-07	12808	13.4		0.23	3.0	
2018-04-08	12956	10.6		0.06	0.8	
2018-04-09	12388	10.6		0.02	0.2	
2018-04-10	12185	9.8		0.05	0.6	
2018-04-11	12059	15.2	12.700	0.05	0.6	0.34
2018-04-12	11794	11.2		0.06	0.7	
2018-04-13	11856	10.2		0.05	0.6	
2018-04-14	13068	16.8		0.76	9.9	
2018-04-15	12327	9.8		0.05	0.6	
2018-04-16	11644	10.6		0.03	0.3	
2018-04-17	12004	11.0		0.22	2.6	
2018-04-18	9744	10.6	6.900	0.02	0.2	0.41
2018-04-19	9644	12.2		0.05	0.5	
2018-04-20	10168	15.8		0.04	0.4	
2018-04-21	10347	14.2		0.03	0.3	
2018-04-22	10546	12.2		0.02	0.2	
2018-04-23	9429	9.0		0.14	1.3	
2018-04-24	8913	10.6		0.08	0.7	
2018-04-25	8807	12.2	6.100	0.01	0.1	0.32
2018-04-26	8971	11.6		0.06	0.5	
2018-04-27	9714	14.2		0.05	0.5	
2018-04-28	10327	15.0		0.41	4.2	
2018-04-29	10560	11.8		0.02	0.2	
2018-04-30	9873	9.8		0.03	0.3	
2018-05-01	8864	11.2		0.04	0.4	
2018-05-02	8797	11.4	8.800	0.09	0.8	0.14
2018-05-03	8949	10.6		0.08	0.7	
2018-05-04	9366	10.2		0.15	1.4	
2018-05-05	10097	8.2		0.04	0.4	

2018-05-06	9524	16.0		0.07	0.7		
2018-05-07	8737	10.8		0.07	0.1		
2018-05-08	8796	10.2		0.07	0.6		260.000
2018-05-09	8729	11.0	7.100	0.11	1.0	0.42	4.000
2018-05-10	8647	12.8		0.04	0.3		8.000
2018-05-11	8723	12.0		0.04	0.3		
2018-05-12	9396	11.4		0.09	0.8		
2018-05-13	9120	11.2		0.05	0.5		
2018-05-14	8919	11.4		0.02	0.2		
2018-05-15	8663	28.2		0.04	0.3		
2018-05-16	8322	10.6	9.400	0.04	0.3	0.39	1.999
2018-05-17	8591	12.0		0.29	2.5		1.999
2018-05-18	9112	9.8		0.05	0.5		
2018-05-19	9129	8.4		0.72	6.6		
2018-05-20	10899	9.4		0.22	2.4		
2018-05-21	10646	15.0		0.02	0.2		
2018-05-22	9022	12.0		0.12	1.1		
2018-05-23	8744	10.4	4.400	0.03	0.3	0.26	1.999
2018-05-24	8582	5.4		0.04	0.3		1.999
2018-05-25	8704	8.4		0.06	0.5		
2018-05-26	9503	11.2		0.16	1.5		
2018-05-27	9233	10.2		0.02	0.2		
2018-05-28	8348	9.6		0.01	0.1		
2018-05-29	8665	8.0		0.01	0.1		
2018-05-30	8007	10.6	14.800	0.01	0.1	0.33	1.999
2018-05-31	7962	11.8		0.02	0.2		4.000
2018-06-01	8286	13.6		0.49	4.1		
2018-06-02	9097	6.4		0.08	0.7		
2018-06-03	8592	9.0		0.02	0.2		
2018-06-04	6283	8.4		0.18	1.1		
2018-06-05	8613	9.2		0.41	3.5		
2018-06-06	8487	8.6	8.800	0.04	0.3	0.41	1.999
2018-06-07	8024	18.6		0.09	0.7		2.999
2018-06-08	8705	25.4		0.09	0.8		
2018-06-09	8812	12.6		0.08	0.7		
2018-06-10	9198	12.0		0.03	0.3		
2018-06-11	8245	12.4		0.14	1.2		
2018-06-12	8176	11.0		0.02	0.2		
2018-06-13	8451	12.6	9.900	0.04	0.3	0.46	4.000
2018-06-14	8002	10.0		0.20	1.6		36.000
2018-06-15	8623	11.0		0.04	0.3		
2018-06-16	9113	8.0		0.18	1.6		
2018-06-17	9742	12.6		0.03	0.3		
2018-06-18	8945	16.0		0.02	0.2		

2018-06-19	8770	14.4		0.03	0.3		
2018-06-20	8878	12.0	8.900	0.01	0.1	0.38	23.000
2018-06-21	9058	10.8		0.03	0.3		9.100
2018-06-22	9148	8.8		0.18	1.6		
2018-06-23	9424	22.6		0.19	1.8		
2018-06-24	9896	10.2		0.04	0.4		
2018-06-25	9856	10.0		0.01	0.1		
2018-06-26	9415	11.6		0.02	0.2		
2018-06-27	8991	12.4	13.100	0.02	0.2	0.41	2.000
2018-06-28	9071	11.0		0.02	0.2		1.999
2018-06-29	9325	8.4		0.10	0.9		
2018-06-30	9465	9.2		0.42	4.0		
2018-07-01	10765	7.0		0.14	1.5		
2018-07-02	10264	6.6		0.11	1.1		
2018-07-03	9446	8.4		0.04	0.4		
2018-07-04	9479	9.6	7.199	0.04	0.4	0.31	2.000
2018-07-05	9691	7.4		0.06	0.6		3.600
2018-07-06	10063	8.8		0.06	0.6		
2018-07-07	10259	8.8		0.08	0.8		
2018-07-08	9814	10.0		0.04	0.4		
2018-07-09	9148	9.8		0.02	0.2		
2018-07-10	9133	9.4		0.13	1.2		
2018-07-11	9300	8.6	10.800	0.02	0.2	0.45	1.999
2018-07-12	9512	8.8		0.03	0.3		3.100
2018-07-13	9585	7.4		0.06	0.6		
2018-07-14	10321	10.0		0.05	0.5		
2018-07-15	9932	7.4		0.11	1.1		
2018-07-16	9533	11.0		0.04	0.4		
2018-07-17	9376	10.0		0.16	1.5		
2018-07-18	9418	12.8	6.400	0.06	0.6	0.39	2.000
2018-07-19	9647	11.6		0.08	0.8		9.100
2018-07-20	9621	8.8		0.06	0.6		
2018-07-21	9136	19.8		0.32	2.9		
2018-07-22	10742	11.0		0.11	1.2		
2018-07-23	9713	11.6		0.07	0.7		
2018-07-24	9735	9.6		0.18	1.8		
2018-07-25	10332	11.0	13.400	0.06	0.6	0.30	220.000
2018-07-26	10150	11.8		0.08	0.8		230.000
2018-07-27	10287	10.4		0.07	0.7		
2018-07-28	9899	7.6		0.16	1.6		
2018-07-29	11046	8.0		0.14	1.5		
2018-07-30	10555	6.2		0.08	0.8		
2018-07-31	10137	5.8		0.05	0.5		
2018-08-01	10061	9.4	6.800	0.05	0.5	0.36	2.000

2018-08-02	9994	7.0		0.04	0.4		2.000
2018-08-03	10080	6.6		0.04	0.4		
2018-08-04	10950	4.2		0.05	0.5		
2018-08-05	11395	7.2		0.04	0.5		
2018-08-06	10696	2.8		0.04	0.4		
2018-08-07	10046	9.2		0.05	0.5		
2018-08-08	10032	3.8	6.300	0.05	0.5	0.22	N/A
2018-08-09	10091	5.6		0.07	0.7		0.200
2018-08-10	10197	5.6		0.05	0.5		
2018-08-11	10657	8.6		0.04	0.4		
2018-08-12	10233	4.8		0.11	1.1		
2018-08-13	9914	8.2		0.07	0.7		
2018-08-14	9913	8.2		0.02	0.2		
2018-08-15	10027	11.0	7.500	0.02	0.2	0.21	1.999
2018-08-16	9832	5.6		0.03	0.3		2.000
2018-08-17	10362	9.6		0.05	0.5		
2018-08-18	10962	6.2		0.02	0.2		
2018-08-19	10279	4.4		0.02	0.2		
2018-08-20	9797	7.8		0.05	0.5		
2018-08-21	9447	7.4		0.02	0.2		
2018-08-22	9764	7.0	5.800	0.02	0.2	0.29	2.000
2018-08-23	9284	8.6		0.02	0.2		3.600
2018-08-24	9520	7.6		0.03	0.3		
2018-08-25	9862	7.0		0.02	0.2		
2018-08-26	9523	8.6		0.04	0.4		
2018-08-27	8834	8.8		0.02	0.2		
2018-08-28	8976	9.6		0.01	0.1		
2018-08-29	8735	8.2	11.800	0.06	0.5	0.33	4.000
2018-08-30	8521	12.6		0.04	0.3		23.000
2018-08-31	9034	9.8		0.07	0.6		
2018-09-01	9871	8.6		0.02	0.2		
2018-09-02	10218	7.6		0.03	0.3		
2018-09-03	8967	8.0		0.13	1.2		
2018-09-04	7709	10.0		0.14	1.1		
2018-09-05	7868	11.6	15.500	0.58	4.6	0.98	1.999
2018-09-06	7887	11.2		0.04	0.3		7.300
2018-09-07	8258	13.6		0.07	0.6		
2018-09-08	7852	19.8		0.20	1.6		
2018-09-09	8736	23.6		1.33	11.6		
2018-09-10	8203	14.8		0.13	1.1		
2018-09-11	7927	9.0		0.05	0.4		
2018-09-12	7832	10.8	8.600	0.02	0.2	0.56	2.000
2018-09-13	8347	17.0		0.10	0.8		23.000
2018-09-14	8762	10.0		0.04	0.4		

2018-09-15	8379	5.8		0.27	2.3		
2018-09-16	8980	7.0		0.04	0.4		
2018-09-17	8127	12.8		0.03	0.2		
2018-09-18	7912	13.8		0.04	0.3		
2018-09-19	7743	13.6	11.400	0.02	0.2	0.61	4.000
2018-09-20	9185	11.0		0.06	0.1		23.000
2018-09-21	10265	16.2		0.06	0.6		
2018-09-22	11097	10.8		0.40	4.4		
2018-09-23	9581	12.8		0.02	0.2		
2018-09-24	8239	10.8		0.04	0.3		
2018-09-25	7891	13.6		0.19	1.5		
2018-09-26	7602	14.2	10.000	0.02	0.2	0.67	14.000
2018-09-27	7775	25.8		0.03	0.2		15.000
2018-09-28	8011	28.0		0.15	1.2		
2018-09-29	8640	15.4		0.33	2.9		
2018-09-30	8723	16.8		0.35	3.1		
2018-10-01	9963	17.6		0.28	2.79		
2018-10-02	9831	12.0		0.07	0.69		
2018-10-03	8697	9.6	10.600	0.01	0.09	0.54	2.000
2018-10-04	8075	13.2		0.06	0.48		3.000
2018-10-05	8569	17.6		0.10	0.86		
2018-10-06	9696	15.0		0.31	3.01		
2018-10-07	10298	16.8		0.20	2.06		
2018-10-08	9282	12.2		0.16	1.49		
2018-10-09	8333	12.8		0.03	0.25		
2018-10-10	7859	12.6	9.800	0.03	0.24	0.65	13.000
2018-10-11	7459	18.4		0.07	0.52		91.000
2018-10-12	7768	20.2		0.14	1.09		
2018-10-13	7488	21.6		0.39	2.92		
2018-10-14	8042	31.8		0.02	0.16		
2018-10-15	7252	33.4		0.13	0.94		
2018-10-16	7327	26.0		0.36	2.64		
2018-10-17	7376	22.8	10.700	0.07	0.52	0.83	240.000
2018-10-18	7600	18.8		0.04	0.30		
2018-10-19	8136	17.8		0.06	0.49		
2018-10-20	8338	16.0		0.04	0.33		
2018-10-21	7833	17.6		0.03	0.23		
2018-10-22	7116	14.6		0.03	0.21		
2018-10-23	6938	20.0		0.03	0.21		
2018-10-24	6884	15.4	13.400	0.05	0.34	0.67	
2018-10-25	6294	20.8		0.04	0.25		
2018-10-26	8316	16.8		0.05	0.42		
2018-10-27	8643	17.6		0.02	0.17		
2018-10-28	9270	22.6		0.05	0.46		

2018-10-29	8212	17.2		0.05	0.41	
2018-10-30	7741	19.2		0.02	0.15	
2018-10-31	7677	9.8		0.04	0.31	
2018-11-01	8559	12.0	7.300	0.45	3.85	0.53
2018-11-02	11089	9.6		0.12	1.33	
2018-11-03	11581	12.6		0.09	1.04	
2018-11-04	11568	10.4		0.05	0.58	
2018-11-05	10385	8.8		0.07	0.73	
2018-11-06	9033	8.4		0.05	0.45	
2018-11-07	8577	8.6	16.800	0.06	0.51	0.56
2018-11-08	8463	12.6		0.13	1.10	
2018-11-09	8974	12.2		0.13	1.17	
2018-11-10	9631	12.2		0.24	2.31	
2018-11-11	9760	12.2		0.48	4.68	
2018-11-12	8851	9.8		0.06	0.53	
2018-11-13	8184	10.0		0.05	0.41	
2018-11-14	9243	10.8	4.900	0.06	0.55	0.53
2018-11-15	8736	12.0		0.05	0.44	
2018-11-16	8743	9.8		0.11	0.96	
2018-11-17	9411	12.2		0.05	0.47	
2018-11-18	9593	15.2		0.03	0.29	
2018-11-19	8341	12.4		0.08	0.67	
2018-11-20	7938	15.2		0.02	0.16	
2018-11-21	9043	15.2	10.000	0.10	0.90	0.60
2018-11-22	9653	15.2		0.24	2.32	
2018-11-23	10144	11.8		0.10	1.01	
2018-11-24	10779	14.6		0.05	0.54	
2018-11-25	10185	14.2		0.04	0.41	
2018-11-26	12926	20.6		0.75	9.69	
2018-11-27	15019	14.6		0.01	0.15	
2018-11-28	16551	9.8	8.400	0.02	0.33	0.28
2018-11-29	12436	10.0		0.05	0.62	
2018-11-30	12252	14.8		0.04	0.49	
2018-12-01	11874	16.0		0.03	0.4	
2018-12-02	11348	13.8		0.19	2.2	
2018-12-03	9683	13.8		0.05	0.5	
2018-12-04	9216	9.8		0.02	0.2	
2018-12-05	9179	13.2	20.900	0.03	0.3	0.38
2018-12-06	8564	18.6		0.05	0.4	
2018-12-07	9710	13.2		0.02	0.2	
2018-12-08	10783	18.8		0.03	0.3	
2018-12-09	10442	12.8		0.02	0.2	
2018-12-10	9767	12.6		0.07	0.7	
2018-12-11	9770	10.6		0.03	0.3	



2018-12-12	9554	13.0	8.300	0.06	0.6	0.35
2018-12-13	11358	12.2		0.05	0.6	
2018-12-14	12465	11.6		0.05	0.6	
2018-12-15	12299	12.0		0.02	0.2	
2018-12-16	13281	15.0		0.05	0.7	
2018-12-17	14401	11.6		0.03	0.4	
2018-12-18	14842	10.0		0.02	0.3	
2018-12-19	14809	10.6	9.000	0.05	0.7	0.35
2018-12-20	15214	14.6		0.05	0.8	
2018-12-21	14762	12.4		0.02	0.3	
2018-12-22	14464	11.6		0.02	0.3	
2018-12-23	14434	12.6		0.02	0.3	
2018-12-24	14423	18.0		0.02	0.3	
2018-12-25	13771	9.8		0.03	0.4	
2018-12-26	13513	8.2	7.000	0.02	0.3	0.47
2018-12-27	13873	8.6		0.03	0.4	
2018-12-28	14220	14.6		0.04	0.6	
2018-12-29	14802	17.0		0.07	1.0	
2018-12-30	14681	11.0		0.02	0.3	
2018-12-31	15232	10.2		0.04	0.6	

Date	Effluent (m3/day)	Total Suspended Solids (mg/L)	CBOD5 (mg/L)	Soluble PO4 as P (mg/L)	PO4 as P (kg/day)	Total Phosphorous (mg/L)	Fecal Coliform (cfu/100mL)
2018-01-01	13092	23.0		0.03	0.4		
2018-01-02	12308	17.2		0.07	0.9		
2018-01-03	12030	12.6	10.800	0.03	0.4	0.53	
2018-01-04	11938	18.0		0.06	0.7		
2018-01-05	12227	29.4		0.04	0.5		
2018-01-06	12210	14.8		0.07	0.8		
2018-01-07	11602	14.8		0.15	1.7		
2018-01-08	11585	15.6		0.02	0.2		
2018-01-09	10935	9.8		0.23	2.5		
2018-01-10	11251	10.2	9.100	0.09	1.0	0.49	
2018-01-11	10997	8.6		0.06	0.7		
2018-01-12	10838	15.6		0.09	1.0		
2018-01-13	11157	20.2		0.76	8.5		
2018-01-14	11749	12.2		0.11	1.3		
2018-01-15	10947	14.4		0.13	1.4		
2018-01-16	11366	12.2		0.05	0.6		

2018-01-17	12110	17.8	5.700	0.03	0.4	0.58
2018-01-18	12751	14.4		0.08	1.0	
2018-01-19	12572	13.2		0.05	0.7	
2018-01-20	13326	12.2		0.07	0.9	
2018-01-21	14558	12.2		0.07	0.9	
2018-01-22	12454	10.6		0.02	0.2	
2018-01-23	12131	10.6		0.04	0.5	
2018-01-24	11406	9.6	21.600	0.12	1.4	0.46
2018-01-25	11504	14.5		0.03	0.3	
2018-01-26	11749	12.0		0.29	3.4	
2018-01-27	12669	13.6		0.10	1.2	
2018-01-28	12652	14.8		0.04	0.5	
2018-01-29	15568	17.0		0.03	0.5	
2018-01-30	13404	12.8		0.05	0.7	
2018-01-31	12214	10.8	7.700	0.06	0.7	0.46
2018-02-01	11984	12.6		0.23	2.8	
2018-02-02	12355	14.2		0.51	6.4	
2018-02-03	14832	16.4		0.43	6.3	
2018-02-04	15957	12.4		0.11	1.8	
2018-02-05	14955	10.6		0.01	0.1	
2018-02-06	14166	12.8		0.01	0.1	
2018-02-07	15561	12.4	7.500	0.01	0.2	0.40
2018-02-08	16466	37.6		0.11	1.8	
2018-02-09	16147	11.8		0.07	1.1	
2018-02-10	16927	9.4		0.29	4.9	
2018-02-11	15855	15.6		0.08	1.3	
2018-02-12	14191	12.0		0.01	0.14	
2018-02-13	12558	14.0		0.01	0.1	
2018-02-14	12100	13.8	7.600	0.02	0.2	0.35
2018-02-15	12671	16.8		0.05	0.6	
2018-02-16	12540	11.6		0.04	0.5	
2018-02-17	13460	12.6		0.11	1.5	
2018-02-18	13370	15.0		0.03	0.4	
2018-02-19	12579	11.9		0.03	0.4	
2018-02-20	12273	15.8		0.01	0.1	
2018-02-21	11888	12.4	9.900	0.01	0.1	0.66
2018-02-22	11704	14.2		0.31	3.6	
2018-02-23	11934	15.2		0.75	8.9	
2018-02-24	12286	14.2		0.20	2.5	
2018-02-25	12334	13.0		0.25	3.1	
2018-02-26	11119	11.6		0.03	0.3	
2018-02-27	10897	12.0		0.39	4.2	
2018-02-28	10616	9.0	25.900	0.22	2.3	0.59
2018-03-01	10040	12.0		0.22	2.2	

2018-03-02	11251	17.2		0.39	4.4	
2018-03-03	11992	14.6		0.68	8.2	
2018-03-04	11568	12.8		0.03	0.3	
2018-03-05	10647	10.4		0.04	0.4	
2018-03-06	10471	16.0		0.04	0.4	
2018-03-07	10274	16.2	7.300	0.14	1.5	0.53
2018-03-08	10865	11.6		0.22	2.4	
2018-03-09	10965	10.4		0.88	9.6	
2018-03-10	11574	8.4		0.26	3.0	
2018-03-11	11560	10.8		0.05	0.6	
2018-03-12	11228	9.5		0.04	0.4	
2018-03-13	11116	10.4		0.05	0.6	
2018-03-14	11314	14.4	13.900	0.06	0.7	0.50
2018-03-15	11350	17.0		0.07	0.8	
2018-03-16	11488	35.6		0.22	2.5	
2018-03-17	11866	11.0		0.20	2.4	
2018-03-18	12078	13.2		0.01	0.1	
2018-03-19	11882	11.6		0.04	0.5	
2018-03-20	11435	12.6		0.07	0.1	
2018-03-21	11484	12.2	7.300	0.05	0.6	0.31
2018-03-22	11802	12.2		0.02	0.2	
2018-03-23	11740	13.2		0.37	4.3	
2018-03-24	13134	12.2		0.20	2.6	
2018-03-25	12534	14.8		0.02	0.3	
2018-03-26	12259	11.6		0.01	0.1	
2018-03-27	12800	14.2		0.03	0.4	
2018-03-28	12557	10.4	8.800	0.04	0.5	0.34
2018-03-29	12664	13.0		0.05	0.5	
2018-03-30	12483	6.6		0.07	0.8	
2018-03-31	13766	13.8		0.02	0.3	
2018-04-01	13238	10.2		0.04	0.5	
2018-04-02	12479	12.4		0.05	0.6	
2018-04-03	11502	10.8		0.13	1.5	
2018-04-04	11173	11.2	6.900	0.02	0.2	0.39
2018-04-05	11368	12.8		0.12	1.3	
2018-04-06	11644	22.2		0.03	0.3	
2018-04-07	12808	13.4		0.23	3.0	
2018-04-08	12956	10.6		0.06	0.8	
2018-04-09	12388	10.6		0.02	0.2	
2018-04-10	12185	9.8		0.05	0.6	
2018-04-11	12059	15.2	12.700	0.05	0.6	0.34
2018-04-12	11794	11.2		0.06	0.7	
2018-04-13	11856	10.2		0.05	0.6	
2018-04-14	13068	16.8		0.76	9.9	

2018-04-15	12327	9.8		0.05	0.6		
2018-04-16	11644	10.6		0.03	0.3		
2018-04-17	12004	11.0		0.22	2.6		
2018-04-18	9744	10.6	6.900	0.02	0.2	0.41	
2018-04-19	9644	12.2		0.05	0.5		
2018-04-20	10168	15.8		0.04	0.4		
2018-04-21	10347	14.2		0.03	0.3		
2018-04-22	10546	12.2		0.02	0.2		
2018-04-23	9429	9.0		0.14	1.3		
2018-04-24	8913	10.6		0.08	0.7		
2018-04-25	8807	12.2	6.100	0.01	0.1	0.32	
2018-04-26	8971	11.6		0.06	0.5		
2018-04-27	9714	14.2		0.05	0.5		
2018-04-28	10327	15.0		0.41	4.2		
2018-04-29	10560	11.8		0.02	0.2		
2018-04-30	9873	9.8		0.03	0.3		
2018-05-01	8864	11.2		0.04	0.4		
2018-05-02	8797	11.4	8.800	0.09	0.8	0.14	
2018-05-03	8949	10.6		0.08	0.7		
2018-05-04	9366	10.2		0.15	1.4		
2018-05-05	10097	8.2		0.04	0.4		
2018-05-06	9524	16.0		0.07	0.7		
2018-05-07	8737	10.8		0.07	0.1		
2018-05-08	8796	10.2		0.07	0.6		260.000
2018-05-09	8729	11.0	7.100	0.11	1.0	0.42	4.000
2018-05-10	8647	12.8		0.04	0.3		8.000
2018-05-11	8723	12.0		0.04	0.3		
2018-05-12	9396	11.4		0.09	0.8		
2018-05-13	9120	11.2		0.05	0.5		
2018-05-14	8919	11.4		0.02	0.2		
2018-05-15	8663	28.2		0.04	0.3		
2018-05-16	8322	10.6	9.400	0.04	0.3	0.39	1.999
2018-05-17	8591	12.0		0.29	2.5		1.999
2018-05-18	9112	9.8		0.05	0.5		
2018-05-19	9129	8.4		0.72	6.6		
2018-05-20	10899	9.4		0.22	2.4		
2018-05-21	10646	15.0		0.02	0.2		
2018-05-22	9022	12.0		0.12	1.1		
2018-05-23	8744	10.4	4.400	0.03	0.3	0.26	1.999
2018-05-24	8582	5.4		0.04	0.3		1.999
2018-05-25	8704	8.4		0.06	0.5		
2018-05-26	9503	11.2		0.16	1.5		
2018-05-27	9233	10.2		0.02	0.2		
2018-05-28	8348	9.6		0.01	0.1		

2018-05-29	8665	8.0		0.01	0.1		
2018-05-30	8007	10.6	14.800	0.01	0.1	0.33	1.999
2018-05-31	7962	11.8		0.02	0.2		4.000
2018-06-01	8286	13.6		0.49	4.1		
2018-06-02	9097	6.4		0.08	0.7		
2018-06-03	8592	9.0		0.02	0.2		
2018-06-04	6283	8.4		0.18	1.1		
2018-06-05	8613	9.2		0.41	3.5		
2018-06-06	8487	8.6	8.800	0.04	0.3	0.41	1.999
2018-06-07	8024	18.6		0.09	0.7		2.999
2018-06-08	8705	25.4		0.09	0.8		
2018-06-09	8812	12.6		0.08	0.7		
2018-06-10	9198	12.0		0.03	0.3		
2018-06-11	8245	12.4		0.14	1.2		
2018-06-12	8176	11.0		0.02	0.2		
2018-06-13	8451	12.6	9.900	0.04	0.3	0.46	4.000
2018-06-14	8002	10.0		0.20	1.6		36.000
2018-06-15	8623	11.0		0.04	0.3		
2018-06-16	9113	8.0		0.18	1.6		
2018-06-17	9742	12.6		0.03	0.3		
2018-06-18	8945	16.0		0.02	0.2		
2018-06-19	8770	14.4		0.03	0.3		
2018-06-20	8878	12.0	8.900	0.01	0.1	0.38	23.000
2018-06-21	9058	10.8		0.03	0.3		9.100
2018-06-22	9148	8.8		0.18	1.6		
2018-06-23	9424	22.6		0.19	1.8		
2018-06-24	9896	10.2		0.04	0.4		
2018-06-25	9856	10.0		0.01	0.1		
2018-06-26	9415	11.6		0.02	0.2		
2018-06-27	8991	12.4	13.100	0.02	0.2	0.41	2.000
2018-06-28	9071	11.0		0.02	0.2		1.999
2018-06-29	9325	8.4		0.10	0.9		
2018-06-30	9465	9.2		0.42	4.0		
2018-07-01	10765	7.0		0.14	1.5		
2018-07-02	10264	6.6		0.11	1.1		
2018-07-03	9446	8.4		0.04	0.4		
2018-07-04	9479	9.6	7.199	0.04	0.4	0.31	2.000
2018-07-05	9691	7.4		0.06	0.6		3.600
2018-07-06	10063	8.8		0.06	0.6		
2018-07-07	10259	8.8		0.08	0.8		
2018-07-08	9814	10.0		0.04	0.4		
2018-07-09	9148	9.8		0.02	0.2		
2018-07-10	9133	9.4		0.13	1.2		
2018-07-11	9300	8.6	10.800	0.02	0.2	0.45	1.999

2018-07-12	9512	8.8		0.03	0.3		3.100
2018-07-13	9585	7.4		0.06	0.6		
2018-07-14	10321	10.0		0.05	0.5		
2018-07-15	9932	7.4		0.11	1.1		
2018-07-16	9533	11.0		0.04	0.4		
2018-07-17	9376	10.0		0.16	1.5		
2018-07-18	9418	12.8	6.400	0.06	0.6	0.39	2.000
2018-07-19	9647	11.6		0.08	0.8		9.100
2018-07-20	9621	8.8		0.06	0.6		
2018-07-21	9136	19.8		0.32	2.9		
2018-07-22	10742	11.0		0.11	1.2		
2018-07-23	9713	11.6		0.07	0.7		
2018-07-24	9735	9.6		0.18	1.8		
2018-07-25	10332	11.0	13.400	0.06	0.6	0.30	220.000
2018-07-26	10150	11.8		0.08	0.8		230.000
2018-07-27	10287	10.4		0.07	0.7		
2018-07-28	9899	7.6		0.16	1.6		
2018-07-29	11046	8.0		0.14	1.5		
2018-07-30	10555	6.2		0.08	0.8		
2018-07-31	10137	5.8		0.05	0.5		
2018-08-01	10061	9.4	6.800	0.05	0.5	0.36	2.000
2018-08-02	9994	7.0		0.04	0.4		2.000
2018-08-03	10080	6.6		0.04	0.4		
2018-08-04	10950	4.2		0.05	0.5		
2018-08-05	11395	7.2		0.04	0.5		
2018-08-06	10696	2.8		0.04	0.4		
2018-08-07	10046	9.2		0.05	0.5		
2018-08-08	10032	3.8	6.300	0.05	0.5	0.22	N/A
2018-08-09	10091	5.6		0.07	0.7		0.200
2018-08-10	10197	5.6		0.05	0.5		
2018-08-11	10657	8.6		0.04	0.4		
2018-08-12	10233	4.8		0.11	1.1		
2018-08-13	9914	8.2		0.07	0.7		
2018-08-14	9913	8.2		0.02	0.2		
2018-08-15	10027	11.0	7.500	0.02	0.2	0.21	1.999
2018-08-16	9832	5.6		0.03	0.3		2.000
2018-08-17	10362	9.6		0.05	0.5		
2018-08-18	10962	6.2		0.02	0.2		
2018-08-19	10279	4.4		0.02	0.2		
2018-08-20	9797	7.8		0.05	0.5		
2018-08-21	9447	7.4		0.02	0.2		
2018-08-22	9764	7.0	5.800	0.02	0.2	0.29	2.000
2018-08-23	9284	8.6		0.02	0.2		3.600
2018-08-24	9520	7.6		0.03	0.3		

2018-08-25	9862	7.0		0.02	0.2		
2018-08-26	9523	8.6		0.04	0.4		
2018-08-27	8834	8.8		0.02	0.2		
2018-08-28	8976	9.6		0.01	0.1		
2018-08-29	8735	8.2	11.800	0.06	0.5	0.33	4.000
2018-08-30	8521	12.6		0.04	0.3		23.000
2018-08-31	9034	9.8		0.07	0.6		
2018-09-01	9871	8.6		0.02	0.2		
2018-09-02	10218	7.6		0.03	0.3		
2018-09-03	8967	8.0		0.13	1.2		
2018-09-04	7709	10.0		0.14	1.1		
2018-09-05	7868	11.6	15.500	0.58	4.6	0.98	1.999
2018-09-06	7887	11.2		0.04	0.3		7.300
2018-09-07	8258	13.6		0.07	0.6		
2018-09-08	7852	19.8		0.20	1.6		
2018-09-09	8736	23.6		1.33	11.6		
2018-09-10	8203	14.8		0.13	1.1		
2018-09-11	7927	9.0		0.05	0.4		
2018-09-12	7832	10.8	8.600	0.02	0.2	0.56	2.000
2018-09-13	8347	17.0		0.10	0.8		23.000
2018-09-14	8762	10.0		0.04	0.4		
2018-09-15	8379	5.8		0.27	2.3		
2018-09-16	8980	7.0		0.04	0.4		
2018-09-17	8127	12.8		0.03	0.2		
2018-09-18	7912	13.8		0.04	0.3		
2018-09-19	7743	13.6	11.400	0.02	0.2	0.61	4.000
2018-09-20	9185	11.0		0.06	0.1		23.000
2018-09-21	10265	16.2		0.06	0.6		
2018-09-22	11097	10.8		0.40	4.4		
2018-09-23	9581	12.8		0.02	0.2		
2018-09-24	8239	10.8		0.04	0.3		
2018-09-25	7891	13.6		0.19	1.5		
2018-09-26	7602	14.2	10.000	0.02	0.2	0.67	14.000
2018-09-27	7775	25.8		0.03	0.2		15.000
2018-09-28	8011	28.0		0.15	1.2		
2018-09-29	8640	15.4		0.33	2.9		
2018-09-30	8723	16.8		0.35	3.1		
2018-10-01	9963	17.6		0.28	2.79		
2018-10-02	9831	12.0		0.07	0.69		
2018-10-03	8697	9.6	10.600	0.01	0.09	0.54	2.000
2018-10-04	8075	13.2		0.06	0.48		3.000
2018-10-05	8569	17.6		0.10	0.86		
2018-10-06	9696	15.0		0.31	3.01		
2018-10-07	10298	16.8		0.20	2.06		

2018-10-08	9282	12.2		0.16	1.49		
2018-10-09	8333	12.8		0.03	0.25		
2018-10-10	7859	12.6	9.800	0.03	0.24	0.65	13.000
2018-10-11	7459	18.4		0.07	0.52		91.000
2018-10-12	7768	20.2		0.14	1.09		
2018-10-13	7488	21.6		0.39	2.92		
2018-10-14	8042	31.8		0.02	0.16		
2018-10-15	7252	33.4		0.13	0.94		
2018-10-16	7327	26.0		0.36	2.64		
2018-10-17	7376	22.8	10.700	0.07	0.52	0.83	240.000
2018-10-18	7600	18.8		0.04	0.30		
2018-10-19	8136	17.8		0.06	0.49		
2018-10-20	8338	16.0		0.04	0.33		
2018-10-21	7833	17.6		0.03	0.23		
2018-10-22	7116	14.6		0.03	0.21		
2018-10-23	6938	20.0		0.03	0.21		
2018-10-24	6884	15.4	13.400	0.05	0.34	0.67	
2018-10-25	6294	20.8		0.04	0.25		
2018-10-26	8316	16.8		0.05	0.42		
2018-10-27	8643	17.6		0.02	0.17		
2018-10-28	9270	22.6		0.05	0.46		
2018-10-29	8212	17.2		0.05	0.41		
2018-10-30	7741	19.2		0.02	0.15		
2018-10-31	7677	9.8		0.04	0.31		
2018-11-01	8559	12.0	7.300	0.45	3.85	0.53	
2018-11-02	11089	9.6		0.12	1.33		
2018-11-03	11581	12.6		0.09	1.04		
2018-11-04	11568	10.4		0.05	0.58		
2018-11-05	10385	8.8		0.07	0.73		
2018-11-06	9033	8.4		0.05	0.45		
2018-11-07	8577	8.6	16.800	0.06	0.51	0.56	
2018-11-08	8463	12.6		0.13	1.10		1100.000
2018-11-09	8974	12.2		0.13	1.17		
2018-11-10	9631	12.2		0.24	2.31		
2018-11-11	9760	12.2		0.48	4.68		
2018-11-12	8851	9.8		0.06	0.53		
2018-11-13	8184	10.0		0.05	0.41		
2018-11-14	9243	10.8	4.900	0.06	0.55	0.53	
2018-11-15	8736	12.0		0.05	0.44		
2018-11-16	8743	9.8		0.11	0.96		
2018-11-17	9411	12.2		0.05	0.47		
2018-11-18	9593	15.2		0.03	0.29		
2018-11-19	8341	12.4		0.08	0.67		
2018-11-20	7938	15.2		0.02	0.16		



2018-11-21	9043	15.2	10.000	0.10	0.90	0.60
2018-11-22	9653	15.2		0.24	2.32	
2018-11-23	10144	11.8		0.10	1.01	
2018-11-24	10779	14.6		0.05	0.54	
2018-11-25	10185	14.2		0.04	0.41	
2018-11-26	12926	20.6		0.75	9.69	
2018-11-27	15019	14.6		0.01	0.15	
2018-11-28	16551	9.8	8.400	0.02	0.33	0.28
2018-11-29	12436	10.0		0.05	0.62	
2018-11-30	12252	14.8		0.04	0.49	
2018-12-01	11874	16.0		0.03	0.4	
2018-12-02	11348	13.8		0.19	2.2	
2018-12-03	9683	13.8		0.05	0.5	
2018-12-04	9216	9.8		0.02	0.2	
2018-12-05	9179	13.2	20.900	0.03	0.3	0.38
2018-12-06	8564	18.6		0.05	0.4	
2018-12-07	9710	13.2		0.02	0.2	
2018-12-08	10783	18.8		0.03	0.3	
2018-12-09	10442	12.8		0.02	0.2	
2018-12-10	9767	12.6		0.07	0.7	
2018-12-11	9770	10.6		0.03	0.3	
2018-12-12	9554	13.0	8.300	0.06	0.6	0.35
2018-12-13	11358	12.2		0.05	0.6	
2018-12-14	12465	11.6		0.05	0.6	
2018-12-15	12299	12.0		0.02	0.2	
2018-12-16	13281	15.0		0.05	0.7	
2018-12-17	14401	11.6		0.03	0.4	
2018-12-18	14842	10.0		0.02	0.3	
2018-12-19	14809	10.6	9.000	0.05	0.7	0.35
2018-12-20	15214	14.6		0.05	0.8	
2018-12-21	14762	12.4		0.02	0.3	
2018-12-22	14464	11.6		0.02	0.3	
2018-12-23	14434	12.6		0.02	0.3	
2018-12-24	14423	18.0		0.02	0.3	
2018-12-25	13771	9.8		0.03	0.4	
2018-12-26	13513	8.2	7.000	0.02	0.3	0.47
2018-12-27	13873	8.6		0.03	0.4	
2018-12-28	14220	14.6		0.04	0.6	
2018-12-29	14802	17.0		0.07	1.0	
2018-12-30	14681	11.0		0.02	0.3	
2018-12-31	15232	10.2		0.04	0.6	

Date	Effluent (m3/day)	Total Suspended Solids (mg/L)	CBOD5 (mg/L)	Soluble PO4 as P (mg/L)	PO4 as P (kg/day)	Total Phosphorous (mg/L)	Fecal Coliform (cfu/100mL)
2018-01-01	13092	23.0		0.03	0.4		
2018-01-02	12308	17.2		0.07	0.9		
2018-01-03	12030	12.6	10.800	0.03	0.4	0.53	
2018-01-04	11938	18.0		0.06	0.7		
2018-01-05	12227	29.4		0.04	0.5		
2018-01-06	12210	14.8		0.07	0.8		
2018-01-07	11602	14.8		0.15	1.7		
2018-01-08	11585	15.6		0.02	0.2		
2018-01-09	10935	9.8		0.23	2.5		
2018-01-10	11251	10.2	9.100	0.09	1.0	0.49	
2018-01-11	10997	8.6		0.06	0.7		
2018-01-12	10838	15.6		0.09	1.0		
2018-01-13	11157	20.2		0.76	8.5		
2018-01-14	11749	12.2		0.11	1.3		
2018-01-15	10947	14.4		0.13	1.4		
2018-01-16	11366	12.2		0.05	0.6		
2018-01-17	12110	17.8	5.700	0.03	0.4	0.58	
2018-01-18	12751	14.4		0.08	1.0		
2018-01-19	12572	13.2		0.05	0.7		
2018-01-20	13326	12.2		0.07	0.9		
2018-01-21	14558	12.2		0.07	0.9		
2018-01-22	12454	10.6		0.02	0.2		
2018-01-23	12131	10.6		0.04	0.5		
2018-01-24	11406	9.6	21.600	0.12	1.4	0.46	
2018-01-25	11504	14.5		0.03	0.3		
2018-01-26	11749	12.0		0.29	3.4		
2018-01-27	12669	13.6		0.10	1.2		
2018-01-28	12652	14.8		0.04	0.5		
2018-01-29	15568	17.0		0.03	0.5		
2018-01-30	13404	12.8		0.05	0.7		
2018-01-31	12214	10.8	7.700	0.06	0.7	0.46	
2018-02-01	11984	12.6		0.23	2.8		
2018-02-02	12355	14.2		0.51	6.4		
2018-02-03	14832	16.4		0.43	6.3		
2018-02-04	15957	12.4		0.11	1.8		
2018-02-05	14955	10.6		0.01	0.1		
2018-02-06	14166	12.8		0.01	0.1		
2018-02-07	15561	12.4	7.500	0.01	0.2	0.40	
2018-02-08	16466	37.6		0.11	1.8		

2018-02-09	16147	11.8		0.07	1.1	
2018-02-10	16927	9.4		0.29	4.9	
2018-02-11	15855	15.6		0.08	1.3	
2018-02-12	14191	12.0		0.01	0.14	
2018-02-13	12558	14.0		0.01	0.1	
2018-02-14	12100	13.8	7.600	0.02	0.2	0.35
2018-02-15	12671	16.8		0.05	0.6	
2018-02-16	12540	11.6		0.04	0.5	
2018-02-17	13460	12.6		0.11	1.5	
2018-02-18	13370	15.0		0.03	0.4	
2018-02-19	12579	11.9		0.03	0.4	
2018-02-20	12273	15.8		0.01	0.1	
2018-02-21	11888	12.4	9.900	0.01	0.1	0.66
2018-02-22	11704	14.2		0.31	3.6	
2018-02-23	11934	15.2		0.75	8.9	
2018-02-24	12286	14.2		0.20	2.5	
2018-02-25	12334	13.0		0.25	3.1	
2018-02-26	11119	11.6		0.03	0.3	
2018-02-27	10897	12.0		0.39	4.2	
2018-02-28	10616	9.0	25.900	0.22	2.3	0.59
2018-03-01	10040	12.0		0.22	2.2	
2018-03-02	11251	17.2		0.39	4.4	
2018-03-03	11992	14.6		0.68	8.2	
2018-03-04	11568	12.8		0.03	0.3	
2018-03-05	10647	10.4		0.04	0.4	
2018-03-06	10471	16.0		0.04	0.4	
2018-03-07	10274	16.2	7.300	0.14	1.5	0.53
2018-03-08	10865	11.6		0.22	2.4	
2018-03-09	10965	10.4		0.88	9.6	
2018-03-10	11574	8.4		0.26	3.0	
2018-03-11	11560	10.8		0.05	0.6	
2018-03-12	11228	9.5		0.04	0.4	
2018-03-13	11116	10.4		0.05	0.6	
2018-03-14	11314	14.4	13.900	0.06	0.7	0.50
2018-03-15	11350	17.0		0.07	0.8	
2018-03-16	11488	35.6		0.22	2.5	
2018-03-17	11866	11.0		0.20	2.4	
2018-03-18	12078	13.2		0.01	0.1	
2018-03-19	11882	11.6		0.04	0.5	
2018-03-20	11435	12.6		0.07	0.1	
2018-03-21	11484	12.2	7.300	0.05	0.6	0.31
2018-03-22	11802	12.2		0.02	0.2	
2018-03-23	11740	13.2		0.37	4.3	
2018-03-24	13134	12.2		0.20	2.6	

2018-03-25	12534	14.8		0.02	0.3	
2018-03-26	12259	11.6		0.01	0.1	
2018-03-27	12800	14.2		0.03	0.4	
2018-03-28	12557	10.4	8.800	0.04	0.5	0.34
2018-03-29	12664	13.0		0.05	0.5	
2018-03-30	12483	6.6		0.07	0.8	
2018-03-31	13766	13.8		0.02	0.3	
2018-04-01	13238	10.2		0.04	0.5	
2018-04-02	12479	12.4		0.05	0.6	
2018-04-03	11502	10.8		0.13	1.5	
2018-04-04	11173	11.2	6.900	0.02	0.2	0.39
2018-04-05	11368	12.8		0.12	1.3	
2018-04-06	11644	22.2		0.03	0.3	
2018-04-07	12808	13.4		0.23	3.0	
2018-04-08	12956	10.6		0.06	0.8	
2018-04-09	12388	10.6		0.02	0.2	
2018-04-10	12185	9.8		0.05	0.6	
2018-04-11	12059	15.2	12.700	0.05	0.6	0.34
2018-04-12	11794	11.2		0.06	0.7	
2018-04-13	11856	10.2		0.05	0.6	
2018-04-14	13068	16.8		0.76	9.9	
2018-04-15	12327	9.8		0.05	0.6	
2018-04-16	11644	10.6		0.03	0.3	
2018-04-17	12004	11.0		0.22	2.6	
2018-04-18	9744	10.6	6.900	0.02	0.2	0.41
2018-04-19	9644	12.2		0.05	0.5	
2018-04-20	10168	15.8		0.04	0.4	
2018-04-21	10347	14.2		0.03	0.3	
2018-04-22	10546	12.2		0.02	0.2	
2018-04-23	9429	9.0		0.14	1.3	
2018-04-24	8913	10.6		0.08	0.7	
2018-04-25	8807	12.2	6.100	0.01	0.1	0.32
2018-04-26	8971	11.6		0.06	0.5	
2018-04-27	9714	14.2		0.05	0.5	
2018-04-28	10327	15.0		0.41	4.2	
2018-04-29	10560	11.8		0.02	0.2	
2018-04-30	9873	9.8		0.03	0.3	
2018-05-01	8864	11.2		0.04	0.4	
2018-05-02	8797	11.4	8.800	0.09	0.8	0.14
2018-05-03	8949	10.6		0.08	0.7	
2018-05-04	9366	10.2		0.15	1.4	
2018-05-05	10097	8.2		0.04	0.4	
2018-05-06	9524	16.0		0.07	0.7	
2018-05-07	8737	10.8		0.07	0.1	

2018-05-08	8796	10.2		0.07	0.6		260.000
2018-05-09	8729	11.0	7.100	0.11	1.0	0.42	4.000
2018-05-10	8647	12.8		0.04	0.3		8.000
2018-05-11	8723	12.0		0.04	0.3		
2018-05-12	9396	11.4		0.09	0.8		
2018-05-13	9120	11.2		0.05	0.5		
2018-05-14	8919	11.4		0.02	0.2		
2018-05-15	8663	28.2		0.04	0.3		
2018-05-16	8322	10.6	9.400	0.04	0.3	0.39	1.999
2018-05-17	8591	12.0		0.29	2.5		1.999
2018-05-18	9112	9.8		0.05	0.5		
2018-05-19	9129	8.4		0.72	6.6		
2018-05-20	10899	9.4		0.22	2.4		
2018-05-21	10646	15.0		0.02	0.2		
2018-05-22	9022	12.0		0.12	1.1		
2018-05-23	8744	10.4	4.400	0.03	0.3	0.26	1.999
2018-05-24	8582	5.4		0.04	0.3		1.999
2018-05-25	8704	8.4		0.06	0.5		
2018-05-26	9503	11.2		0.16	1.5		
2018-05-27	9233	10.2		0.02	0.2		
2018-05-28	8348	9.6		0.01	0.1		
2018-05-29	8665	8.0		0.01	0.1		
2018-05-30	8007	10.6	14.800	0.01	0.1	0.33	1.999
2018-05-31	7962	11.8		0.02	0.2		4.000
2018-06-01	8286	13.6		0.49	4.1		
2018-06-02	9097	6.4		0.08	0.7		
2018-06-03	8592	9.0		0.02	0.2		
2018-06-04	6283	8.4		0.18	1.1		
2018-06-05	8613	9.2		0.41	3.5		
2018-06-06	8487	8.6	8.800	0.04	0.3	0.41	1.999
2018-06-07	8024	18.6		0.09	0.7		2.999
2018-06-08	8705	25.4		0.09	0.8		
2018-06-09	8812	12.6		0.08	0.7		
2018-06-10	9198	12.0		0.03	0.3		
2018-06-11	8245	12.4		0.14	1.2		
2018-06-12	8176	11.0		0.02	0.2		
2018-06-13	8451	12.6	9.900	0.04	0.3	0.46	4.000
2018-06-14	8002	10.0		0.20	1.6		36.000
2018-06-15	8623	11.0		0.04	0.3		
2018-06-16	9113	8.0		0.18	1.6		
2018-06-17	9742	12.6		0.03	0.3		
2018-06-18	8945	16.0		0.02	0.2		
2018-06-19	8770	14.4		0.03	0.3		
2018-06-20	8878	12.0	8.900	0.01	0.1	0.38	23.000

2018-06-21	9058	10.8		0.03	0.3		9.100
2018-06-22	9148	8.8		0.18	1.6		
2018-06-23	9424	22.6		0.19	1.8		
2018-06-24	9896	10.2		0.04	0.4		
2018-06-25	9856	10.0		0.01	0.1		
2018-06-26	9415	11.6		0.02	0.2		
2018-06-27	8991	12.4	13.100	0.02	0.2	0.41	2.000
2018-06-28	9071	11.0		0.02	0.2		1.999
2018-06-29	9325	8.4		0.10	0.9		
2018-06-30	9465	9.2		0.42	4.0		
2018-07-01	10765	7.0		0.14	1.5		
2018-07-02	10264	6.6		0.11	1.1		
2018-07-03	9446	8.4		0.04	0.4		
2018-07-04	9479	9.6	7.199	0.04	0.4	0.31	2.000
2018-07-05	9691	7.4		0.06	0.6		3.600
2018-07-06	10063	8.8		0.06	0.6		
2018-07-07	10259	8.8		0.08	0.8		
2018-07-08	9814	10.0		0.04	0.4		
2018-07-09	9148	9.8		0.02	0.2		
2018-07-10	9133	9.4		0.13	1.2		
2018-07-11	9300	8.6	10.800	0.02	0.2	0.45	1.999
2018-07-12	9512	8.8		0.03	0.3		3.100
2018-07-13	9585	7.4		0.06	0.6		
2018-07-14	10321	10.0		0.05	0.5		
2018-07-15	9932	7.4		0.11	1.1		
2018-07-16	9533	11.0		0.04	0.4		
2018-07-17	9376	10.0		0.16	1.5		
2018-07-18	9418	12.8	6.400	0.06	0.6	0.39	2.000
2018-07-19	9647	11.6		0.08	0.8		9.100
2018-07-20	9621	8.8		0.06	0.6		
2018-07-21	9136	19.8		0.32	2.9		
2018-07-22	10742	11.0		0.11	1.2		
2018-07-23	9713	11.6		0.07	0.7		
2018-07-24	9735	9.6		0.18	1.8		
2018-07-25	10332	11.0	13.400	0.06	0.6	0.30	220.000
2018-07-26	10150	11.8		0.08	0.8		230.000
2018-07-27	10287	10.4		0.07	0.7		
2018-07-28	9899	7.6		0.16	1.6		
2018-07-29	11046	8.0		0.14	1.5		
2018-07-30	10555	6.2		0.08	0.8		
2018-07-31	10137	5.8		0.05	0.5		
2018-08-01	10061	9.4	6.800	0.05	0.5	0.36	2.000
2018-08-02	9994	7.0		0.04	0.4		2.000
2018-08-03	10080	6.6		0.04	0.4		

2018-08-04	10950	4.2		0.05	0.5		
2018-08-05	11395	7.2		0.04	0.5		
2018-08-06	10696	2.8		0.04	0.4		
2018-08-07	10046	9.2		0.05	0.5		
2018-08-08	10032	3.8	6.300	0.05	0.5	0.22	N/A
2018-08-09	10091	5.6		0.07	0.7		0.200
2018-08-10	10197	5.6		0.05	0.5		
2018-08-11	10657	8.6		0.04	0.4		
2018-08-12	10233	4.8		0.11	1.1		
2018-08-13	9914	8.2		0.07	0.7		
2018-08-14	9913	8.2		0.02	0.2		
2018-08-15	10027	11.0	7.500	0.02	0.2	0.21	1.999
2018-08-16	9832	5.6		0.03	0.3		2.000
2018-08-17	10362	9.6		0.05	0.5		
2018-08-18	10962	6.2		0.02	0.2		
2018-08-19	10279	4.4		0.02	0.2		
2018-08-20	9797	7.8		0.05	0.5		
2018-08-21	9447	7.4		0.02	0.2		
2018-08-22	9764	7.0	5.800	0.02	0.2	0.29	2.000
2018-08-23	9284	8.6		0.02	0.2		3.600
2018-08-24	9520	7.6		0.03	0.3		
2018-08-25	9862	7.0		0.02	0.2		
2018-08-26	9523	8.6		0.04	0.4		
2018-08-27	8834	8.8		0.02	0.2		
2018-08-28	8976	9.6		0.01	0.1		
2018-08-29	8735	8.2	11.800	0.06	0.5	0.33	4.000
2018-08-30	8521	12.6		0.04	0.3		23.000
2018-08-31	9034	9.8		0.07	0.6		
2018-09-01	9871	8.6		0.02	0.2		
2018-09-02	10218	7.6		0.03	0.3		
2018-09-03	8967	8.0		0.13	1.2		
2018-09-04	7709	10.0		0.14	1.1		
2018-09-05	7868	11.6	15.500	0.58	4.6	0.98	1.999
2018-09-06	7887	11.2		0.04	0.3		7.300
2018-09-07	8258	13.6		0.07	0.6		
2018-09-08	7852	19.8		0.20	1.6		
2018-09-09	8736	23.6		1.33	11.6		
2018-09-10	8203	14.8		0.13	1.1		
2018-09-11	7927	9.0		0.05	0.4		
2018-09-12	7832	10.8	8.600	0.02	0.2	0.56	2.000
2018-09-13	8347	17.0		0.10	0.8		23.000
2018-09-14	8762	10.0		0.04	0.4		
2018-09-15	8379	5.8		0.27	2.3		
2018-09-16	8980	7.0		0.04	0.4		

2018-09-17	8127	12.8		0.03	0.2		
2018-09-18	7912	13.8		0.04	0.3		
2018-09-19	7743	13.6	11.400	0.02	0.2	0.61	4.000
2018-09-20	9185	11.0		0.06	0.1		23.000
2018-09-21	10265	16.2		0.06	0.6		
2018-09-22	11097	10.8		0.40	4.4		
2018-09-23	9581	12.8		0.02	0.2		
2018-09-24	8239	10.8		0.04	0.3		
2018-09-25	7891	13.6		0.19	1.5		
2018-09-26	7602	14.2	10.000	0.02	0.2	0.67	14.000
2018-09-27	7775	25.8		0.03	0.2		15.000
2018-09-28	8011	28.0		0.15	1.2		
2018-09-29	8640	15.4		0.33	2.9		
2018-09-30	8723	16.8		0.35	3.1		
2018-10-01	9963	17.6		0.28	2.79		
2018-10-02	9831	12.0		0.07	0.69		
2018-10-03	8697	9.6	10.600	0.01	0.09	0.54	2.000
2018-10-04	8075	13.2		0.06	0.48		3.000
2018-10-05	8569	17.6		0.10	0.86		
2018-10-06	9696	15.0		0.31	3.01		
2018-10-07	10298	16.8		0.20	2.06		
2018-10-08	9282	12.2		0.16	1.49		
2018-10-09	8333	12.8		0.03	0.25		
2018-10-10	7859	12.6	9.800	0.03	0.24	0.65	13.000
2018-10-11	7459	18.4		0.07	0.52		91.000
2018-10-12	7768	20.2		0.14	1.09		
2018-10-13	7488	21.6		0.39	2.92		
2018-10-14	8042	31.8		0.02	0.16		
2018-10-15	7252	33.4		0.13	0.94		
2018-10-16	7327	26.0		0.36	2.64		
2018-10-17	7376	22.8	10.700	0.07	0.52	0.83	240.000
2018-10-18	7600	18.8		0.04	0.30		
2018-10-19	8136	17.8		0.06	0.49		
2018-10-20	8338	16.0		0.04	0.33		
2018-10-21	7833	17.6		0.03	0.23		
2018-10-22	7116	14.6		0.03	0.21		
2018-10-23	6938	20.0		0.03	0.21		
2018-10-24	6884	15.4	13.400	0.05	0.34	0.67	
2018-10-25	6294	20.8		0.04	0.25		
2018-10-26	8316	16.8		0.05	0.42		
2018-10-27	8643	17.6		0.02	0.17		
2018-10-28	9270	22.6		0.05	0.46		
2018-10-29	8212	17.2		0.05	0.41		
2018-10-30	7741	19.2		0.02	0.15		



2018-10-31	7677	9.8		0.04	0.31	
2018-11-01	8559	12.0	7.300	0.45	3.85	0.53
2018-11-02	11089	9.6		0.12	1.33	
2018-11-03	11581	12.6		0.09	1.04	
2018-11-04	11568	10.4		0.05	0.58	
2018-11-05	10385	8.8		0.07	0.73	
2018-11-06	9033	8.4		0.05	0.45	
2018-11-07	8577	8.6	16.800	0.06	0.51	0.56
2018-11-08	8463	12.6		0.13	1.10	1100.000
2018-11-09	8974	12.2		0.13	1.17	
2018-11-10	9631	12.2		0.24	2.31	
2018-11-11	9760	12.2		0.48	4.68	
2018-11-12	8851	9.8		0.06	0.53	
2018-11-13	8184	10.0		0.05	0.41	
2018-11-14	9243	10.8	4.900	0.06	0.55	0.53
2018-11-15	8736	12.0		0.05	0.44	
2018-11-16	8743	9.8		0.11	0.96	
2018-11-17	9411	12.2		0.05	0.47	
2018-11-18	9593	15.2		0.03	0.29	
2018-11-19	8341	12.4		0.08	0.67	
2018-11-20	7938	15.2		0.02	0.16	
2018-11-21	9043	15.2	10.000	0.10	0.90	0.60
2018-11-22	9653	15.2		0.24	2.32	
2018-11-23	10144	11.8		0.10	1.01	
2018-11-24	10779	14.6		0.05	0.54	
2018-11-25	10185	14.2		0.04	0.41	
2018-11-26	12926	20.6		0.75	9.69	
2018-11-27	15019	14.6		0.01	0.15	
2018-11-28	16551	9.8	8.400	0.02	0.33	0.28
2018-11-29	12436	10.0		0.05	0.62	
2018-11-30	12252	14.8		0.04	0.49	
2018-12-01	11874	16.0		0.03	0.4	
2018-12-02	11348	13.8		0.19	2.2	
2018-12-03	9683	13.8		0.05	0.5	
2018-12-04	9216	9.8		0.02	0.2	
2018-12-05	9179	13.2	20.900	0.03	0.3	0.38
2018-12-06	8564	18.6		0.05	0.4	
2018-12-07	9710	13.2		0.02	0.2	
2018-12-08	10783	18.8		0.03	0.3	
2018-12-09	10442	12.8		0.02	0.2	
2018-12-10	9767	12.6		0.07	0.7	
2018-12-11	9770	10.6		0.03	0.3	
2018-12-12	9554	13.0	8.300	0.06	0.6	0.35
2018-12-13	11358	12.2		0.05	0.6	

<b>2018-12-14</b>	12465	11.6		0.05	0.6	
<b>2018-12-15</b>	12299	12.0		0.02	0.2	
<b>2018-12-16</b>	13281	15.0		0.05	0.7	
<b>2018-12-17</b>	14401	11.6		0.03	0.4	
<b>2018-12-18</b>	14842	10.0		0.02	0.3	
<b>2018-12-19</b>	14809	10.6	9.000	0.05	0.7	0.35
<b>2018-12-20</b>	15214	14.6		0.05	0.8	
<b>2018-12-21</b>	14762	12.4		0.02	0.3	
<b>2018-12-22</b>	14464	11.6		0.02	0.3	
<b>2018-12-23</b>	14434	12.6		0.02	0.3	
<b>2018-12-24</b>	14423	18.0		0.02	0.3	
<b>2018-12-25</b>	13771	9.8		0.03	0.4	
<b>2018-12-26</b>	13513	8.2	7.000	0.02	0.3	0.47
<b>2018-12-27</b>	13873	8.6		0.03	0.4	
<b>2018-12-28</b>	14220	14.6		0.04	0.6	
<b>2018-12-29</b>	14802	17.0		0.07	1.0	
<b>2018-12-30</b>	14681	11.0		0.02	0.3	
<b>2018-12-31</b>	15232	10.2		0.04	0.6	

## 6.0 7.0 APPENDIX C – ENVIRONMENTAL MONITORING SITE DATA TABLE

Column1	Column2	January	February	March	April	May	June	July	August	September	October	November	December
Nitrate as N	mg/L	0.079	0.104	0.246	0.05	0.047	<0.010	0.013	0.049	0.03	0.118	0.032	0.05
Nitrite as N	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phosphate, Ortho as P	mg/L	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0088	<0.0050	0.0454	<0.0050	<0.0050
Ammonia as N, Total	mg/L	0.061	0.131	0.054	0.058	0.06	0.024	0.03	0.042	0.052	0.057	0.045	0.095
Turbidity	NTU	0.57	0.4	0.48	0.46	2.46	2.02	1.6	1.28	0.82	0.78	1.74	1.5
pH	pH units	7.36	7.53	7.13	7.08	7.09	6.74	6.64	7.17	6.71	7.2	7.19	7.11
Conductivity (EC)	uS/cm	70.5	75.1	89.2	66.4	41.5	43.3	34.5	32.4	37.1	46.3	45.3	58
Nitrate+Nitrite as N	mg/L	0.079	0.104	0.246	0.0497	0.0468	<0.0200	<0.0200	0.0489	0.0304	0.118	0.0318	0.0496
		Bridge	Bridge	Bridge	Bridge	Bridge	Bridge	Bridge	Bridge	Bridge	Bridge	Bridge	Bridge
Nitrate as N	mg/L	0.032	0.036	0.018	0.024	0.037	0.012	0.021	<0.010	<0.010	<0.010	0.023	0.026
Nitrite as N	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phosphate, Ortho as P	mg/L	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0174	<0.0050	<0.0050
Ammonia as N, Total	mg/L	0.041	0.026	0.027	0.027	0.075	0.056	0.021	0.042	<0.020	0.032	0.023	0.02
Turbidity	NTU	0.71	0.5	1.32	0.34	1.62	1.46	1.66	1.35	0.85	0.81	1.18	0.86
pH	pH units	7.37	7.31	7.13	7.15	7.18	6.74	6.63	7.15	6.68	7.21	7.15	7.05
Conductivity (EC)	uS/cm	47.2	49.9	47	47.8	40.1	39.5	33.2	28.7	30.7	34.3	35.3	40
Nitrate+Nitrite as N	mg/L	0.0315	0.0364	<0.0200	0.0242	0.037	<0.0200	0.0212	<0.0200	<0.0200	<0.0200	0.023	0.0256
		Station B	Station B	Station B	Station B	Station B	Station B	Station B	Station B	Station B	Station B	Station B	Station B
Nitrate as N	mg/L	0.242	0.227	0.648	0.18	0.078	0.012	0.064	0.118	0.153	0.44	0.031	0.402
Nitrite as N	mg/L	0.041	0.064	0.037	0.018	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.059
Phosphate, Ortho as P	mg/L	<0.010	<0.0050	0.0563	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.023	<0.0050	<0.0050
Ammonia as N, Total	mg/L	0.128	0.574	0.066	0.061	0.06	<0.020	0.03	0.045	<0.020	0.061	0.201	0.6
Turbidity	NTU	0.78	0.54	1.07	0.38	1.43	1.55	1.67	1.4	1.06	1.21	1.28	0.74
pH	pH units	7.35	7.04	7.14	7.35	7.18	6.63	6.67	7.17	6.79	6.9	7.15	7
Conductivity (EC)	uS/cm	87.3	106	99.4	85.5	49.1	45.2	36.8	40.9	43.5	61.2	45.9	56.6
Nitrate+Nitrite as N	mg/L	0.283	0.291	0.685	0.198	0.0777	<0.0200	0.0639	0.118	0.153	0.44	0.0309	0.462